

MODELS

New	Primo Autore	Titolo	Rivista	DOI
New	--	A COVID-19 model	Nat Biotechnol	https://dx.doi.org/10.1038/s41587-020-0606-0
	A. A. Onovo, et al.	Using Supervised Machine Learning and Empirical Bayesian Kriging to reveal Correlates and Patterns of COVID-19 Disease outbreak in sub-Saharan Africa: Exploratory Data Analysis	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20082057
	A. A. Toda	Susceptible-Infected-Recovered (SIR) Dynamics of COVID-19 and Economic Impact	Arxiv	http://arxiv.org/abs/2003.11221
	A. A. Welling, et al.	Multilevel Integrated Model with a Novel Systems Approach (MIMANSA) for Simulating the Spread of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.05.12.20099291
	A. Abdollahi, et al.	Effect of Temperature on the Transmission of COVID-19: A Machine Learning Case Study in Spain	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087759
	A. Ahmada, et al.	The Number of Confirmed Cases of Covid-19 by using Machine Learning: Methods and Challenges	Arxiv	--
	A. Aleta, et al.	Modeling the impact of social distancing, testing, contact tracing and household quarantine on second-wave scenarios of the COVID-19 epidemic	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.06.20092841
	A. Alimadadi, et al.	Artificial Intelligence and Machine Learning to Fight COVID-19	Physiological genomics	http://dx.doi.org/https://dx.doi.org/10.1152/physiolgenomics.00029.2020
New	A. Anirudh	Mathematical modeling and the transmission dynamics in predicting the Covid-19 - What next in combating the pandemic	Infect Dis Model	https://dx.doi.org/10.1016/j.idm.2020.06.002
	A. Anzai, et al.	Assessing the impact of reduced travel on exportation dynamics of novel coronavirus infection (Covid-19)	Journal of Clinical Medicine	http://dx.doi.org/https://dx.doi.org/10.3390/jcm9020601
	A. Arenas, et al.	Derivation of the effective reproduction number R for COVID-19 in relation to mobility restrictions and confinement	medRxiv	https://dx.doi.org/10.1101/2020.04.06.20054320
	A. Atangana	Modelling the spread of COVID-19 with new fractal-fractional operators: Can the lockdown save mankind before vaccination?	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109860
	A. B. Gussow, et al.	Prediction of the virus incubation period for COVID-19 and future outbreaks	bioRxiv	https://dx.doi.org/10.1101/2020.05.19.104513
New	A. Barman	Time Series Analysis and Forecasting of COVID-19 Cases Using LSTM and ARIMA Models	Arxiv	http://arxiv.org/abs/2006.13852
New	A. Bemanian, et al.	Investigating the Trajectory of the COVID-19 Outbreak in Milwaukee County and Projected Effects of Relaxed Distancing	Wmj	--
	A. Bhargava, et al.	Predictors for Severe COVID-19 Infection	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa674
	A. Burns, et al.	Symptom-Based Isolation Policies: Evidence from a Mathematical Model of Outbreaks of Influenza and COVID-19	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.03.26.20044750

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	A. C. S. d. Oliveira, et al.	Bayesian modeling of COVID-19 cases with a correction to account for under-reported cases	medRxiv	https://dx.doi.org/10.1101/2020.05.24.20112029
New	A. Cherif, et al.	Simulation of Pool Testing to Identify Patients With Coronavirus Disease 2019 Under Conditions of Limited Test Availability	JAMA Netw Open	https://dx.doi.org/10.1001/jamanetworkopen.2020.13075
New	A. Chiolero	Predicting covid-19 resurgence: do it locally	BMJ (Clinical research ed.)	https://dx.doi.org/https://dx.doi.org/10.1136/bmj.m2731
New	A. Clark, et al.	Global, regional, and national estimates of the population at increased risk of severe COVID-19 due to underlying health conditions in 2020: a modelling study	The Lancet. Global health	https://dx.doi.org/https://dx.doi.org/10.1016/S2214-109X(20)30264-3
	A. D. Lander	Releasing the lockdown in the UK Covid-19 epidemic: a stochastic model	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083329
	A. DAS, et al.	Predicting community mortality risk due to CoVID-19 using machine learning and development of a prediction tool	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20081794
New	A. Das	An approximation-based approach for periodic estimation of effective reproduction number: a tool for decision-making in the context of coronavirus disease 2019 (COVID-19) outbreak	Public Health	https://dx.doi.org/10.1016/j.puhe.2020.06.047
	A. Das	Impact of the COVID-19 pandemic on the workflow of an ambulatory endoscopy center: an assessment by discrete event simulation	Gastrointest Endosc	https://dx.doi.org/10.1016/j.gie.2020.06.008
	A. Das, et al.	Covid-19: an analysis of an extended SEIR model and a comparison of different intervention strategies	Arxiv	http://arxiv.org/abs/2005.11511
New	A. Das, et al.	Modeling the effect of area deprivation on COVID-19 incidences: a study of Chennai megacity, India	Public Health	https://dx.doi.org/10.1016/j.puhe.2020.06.011
	A. De Visscher	A COVID-19 Epidemiological Model for Community and Policy Maker Use	Arxiv	http://arxiv.org/abs/2003.08824
	A. Dziugys, et al.	Simplified model of Covid-19 epidemic prognosis under quarantine and estimation of quarantine effectiveness	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083428
New	A. E. Bone, et al.	Changing patterns of mortality during the COVID-19 pandemic: Population-based modelling to understand palliative care implications	Palliat Med	https://dx.doi.org/10.1177/0269216320944810
	A. E. Botha, et al.	A simple iterative map forecast of the COVID-19 pandemic	Arxiv	http://arxiv.org/abs/2003.10532
New	A. Ehlert	The socioeconomic determinants of COVID-19: A spatial analysis of German county level data	medRxiv	https://dx.doi.org/10.1101/2020.06.25.20140459
	A. El Allaoui, et al.	A simple mathematical model for Coronavirus (COVID-19)	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076919
	A. Ensser, et al.	Determination of daily reproduction numbers of SARS-CoV2 based on death cases suggests more rapid initial spread in Italy and the United States	medRxiv	https://dx.doi.org/10.1101/2020.03.28.20046094

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	A. Eshragh, et al.	Modeling the Dynamics of the COVID-19 Population in Australia: A Probabilistic Analysis	Arxiv	http://arxiv.org/abs/2005.12455
New	A. F. Siegenfeld, et al.	Opinion: What models can and cannot tell us about COVID-19	Proc Natl Acad Sci U S A	https://dx.doi.org/10.1073/pnas.2011542117
	A. Farcomeni, et al.	An ensemble approach to short-term forecast of COVID-19 intensive care occupancy in Italian Regions	Arxiv	http://arxiv.org/abs/2005.11975
New	A. G. Buchwald, et al.	Infectious Disease Transmission Models to Predict, Evaluate, and Improve Understanding of SARS-CoV-2 Trajectory and Interventions	Ann Am Thorac Soc	https://dx.doi.org/10.1513/AnnalsATS.202005-501PS
	A. G. Gerli, et al.	Predictive models for COVID-19-related deaths and infections	Int J Tuberc Lung Dis	https://dx.doi.org/10.5588/ijtld.20.0196
	A. G. M. Neves, et al.	Predicting the evolution of the COVID-19 epidemic with the A-SIR model: Lombardy, Italy and São Paulo state, Brazil	Arxiv	http://arxiv.org/abs/2005.11182
	A. G. Rossberg, et al.	How will this continue? Modelling interactions between the COVID-19 pandemic and policy responses	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20047597
New	A. Gidari, et al.	Predictive value of National Early Warning Score 2 (NEWS2) for intensive care unit admission in patients with SARS-CoV-2 infection	Infect Dis (Lond)	https://dx.doi.org/10.1080/23744235.2020.1784457
	A. Godio, et al.	SEIR Modeling of the Italian Epidemic of SARS-CoV-2 Using Computational Swarm Intelligence	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17103535
	A. Grant	Dynamics of COVID-19 epidemics: SEIR models underestimate peak infection rates and overestimate epidemic duration	medRxiv	https://dx.doi.org/10.1101/2020.04.02.20050674
	A. Haldane	To set coronavirus policy, model lives and livelihoods in lockstep	Nature	https://dx.doi.org/10.1038/d41586-020-01504-4
	A. Hasan, et al.	A new estimation method for COVID-19 time-varying reproduction number using active cases	Arxiv	http://arxiv.org/abs/2006.03766
	A. Hijikata, et al.	Knowledge-based structural models of SARS-CoV-2 proteins and their complexes with potential drugs	FEBS Lett	https://dx.doi.org/10.1002/1873-3468.13806
	A. Hoseinpour Dehkordi, et al.	A deeper look at COVID-19 CFR: health care impact and roots of discrepancy	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20071498
	A. Indrayan, et al.	CoViD-19 Epidemic in India and Projections: Is Relief in Sight?	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20096008
New	A. J. Kucharski, et al.	Early dynamics of transmission and control of COVID-19: a mathematical modelling study	The Lancet. Infectious diseases	https://dx.doi.org/https://dx.doi.org/10.1016/S1473-3099(20)30144-4
New	A. J. Kucharski, et al.	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study	Lancet Infect Dis	https://dx.doi.org/10.1016/s1473-3099(20)30457-6
	A. Joshi, et al.	Epitope based vaccine prediction for SARS-COV-2 by deploying immuno-informatics approach	Informatics in medicine unlocked	https://dx.doi.org/https://dx.doi.org/10.1016/j.imu.2020.100338
New	A. Kapoor, et al.	Examining COVID-19 Forecasting using Spatio-Temporal Graph Neural Networks	Arxiv	http://arxiv.org/abs/2007.03113

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	A. Khosravi, et al.	The basic reproduction number and prediction of the epidemic size of the novel coronavirus (COVID-19) in Shahroud, Iran	Epidemiol Infect	https://dx.doi.org/10.1017/s0950268820001247
	A. Kumar	Modeling geographical spread of COVID-19 in India using network-based approach	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076489
New	A. Kumar, et al.	Data-driven modelling and prediction of COVID-19 infection in India and correlation analysis of the virus transmission with socio-economic factors	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.07.008
	A. L. Bertozzi, et al.	The challenges of modeling and forecasting the spread of COVID-19	Arxiv	http://arxiv.org/abs/2004.04741
New	A. Lahiri, et al.	Effectiveness of preventive measures against COVID-19: A systematic review of In Silico modeling studies in indian context	Indian J Public Health	https://dx.doi.org/10.4103/ijph.IJPH_464_20
	A. Lassoued, et al.	Dataset on the COVID-19 Pandemic Situation in Tunisia with application to SIR Model	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076802
	A. M. C. H. Attanayake, et al.	Phenomenological Modelling of COVID-19 epidemics in Sri Lanka, Italy and Hebei Province of China	medRxiv	https://dx.doi.org/10.1101/2020.05.04.20091132
	A. M. Javid, et al.	Predictive Analysis of COVID-19 Time-series Data from Johns Hopkins University	Arxiv	http://arxiv.org/abs/2005.05060
	A. M. Mishra, et al.	A nonlinear epidemiological model considering asymptotic and quarantine classes for SARS CoV-2 virus	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109953
	A. Mahajan, et al.	An Epidemic Model SIPHERD and its application for prediction of the COVID-19 infection for India and USA	Arxiv	http://arxiv.org/abs/2005.00921
	A. Mallela	Optimal Control applied to a SEIR model of 2019-nCoV with social distancing	medRxiv	https://dx.doi.org/10.1101/2020.04.10.20061069
	A. Maugeri, et al.	Estimation of unreported novel coronavirus (Sars-cov-2) infections from reported deaths: A susceptible-exposed-infectious-recovered-dead model	Journal of Clinical Medicine	http://dx.doi.org/https://dx.doi.org/10.3390/jcm9051350
New	A. Maugeri, et al.	Modeling the Novel Coronavirus (SARS-CoV-2) Outbreak in Sicily, Italy	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17144964
	A. Menon, et al.	Modelling and simulation of COVID-19 propagation in a large population with specific reference to India	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086306
	A. Mollalo, et al.	Artificial Neural Network Modeling of Novel Coronavirus (COVID-19) Incidence Rates across the Continental United States	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17124204
	A. Mollalo, et al.	GIS-based spatial modeling of COVID-19 incidence rate in the continental United States	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.138884
New	A. Nande, et al.	Dynamics of COVID-19 under social distancing measures are driven by transmission network structure	medRxiv	https://dx.doi.org/10.1101/2020.06.04.20121673
	A. O. Victor	Estimation of the probability of reinfection with COVID-19 coronavirus by the SEIRUS model	medRxiv	https://dx.doi.org/10.1101/2020.04.02.20050930

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New	A. Pahayahay, et al.	What Media Helps, What Media Hurts: A Mixed Methods Survey Study of Coping with COVID-19 Using the Media Repertoire Framework and the Appraisal Theory of Stress	J Med Internet Res	https://dx.doi.org/10.2196/20186
	A. Palladino, et al.	Modelling the spread of Covid19 in Italy using a revised version of the SIR model	Arxiv	http://arxiv.org/abs/2005.08724
	A. Pluchino, et al.	A Novel Methodology for Epidemic Risk Assessment: the case of COVID-19 outbreak in Italy	Arxiv	http://arxiv.org/abs/2004.02739
New	A. R. Maroko, et al.	COVID-19 and Inequity: a Comparative Spatial Analysis of New York City and Chicago Hot Spots	J Urban Health	https://dx.doi.org/10.1007/s11524-020-00468-0
	A. R. Tuite, et al.	Mathematical modelling of COVID-19 transmission and mitigation strategies in the population of Ontario, Canada	CMAJ	https://dx.doi.org/10.1503/cmaj.200476
	A. R. Tuite, et al.	Reporting, Epidemic Growth, and Reproduction Numbers for the 2019 Novel Coronavirus (2019-nCoV) Epidemic	Ann Intern Med	https://dx.doi.org/10.7326/m20-0358
	A. Rahman, et al.	Modelling the transmission dynamics of COVID-19 in six high burden countries	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075192
	A. Rajesh, et al.	CoVID-19 prediction for India from the existing data and SIR(D) model study	medRxiv	https://dx.doi.org/10.1101/2020.05.05.20085902
	A. Roy, et al.	Bayesian semiparametric time varying model for count data to study the spread of the COVID-19 cases	Arxiv	http://arxiv.org/abs/2004.02281
	A. S. Ahmar, et al.	SutteARIMA: Short-term forecasting method, a case: Covid-19 and stock market in Spain	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.138883
	A. S. Ahmar, et al.	The date predicted 200.000 cases of Covid-19 in Spain using SutteARIMA	medRxiv	https://dx.doi.org/10.1101/2020.05.04.20090951
	A. S. Fokas, et al.	COVID-19: Predictive Mathematical Models for the Number of Deaths in South Korea, Italy, Spain, France, UK, Germany, and USA	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20095489
	A. S. Fokas, et al.	Predictive mathematical models for the number of individuals infected with COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.05.02.20088591
New	A. S. R. S. Rao, et al.	Identification of COVID-19 Can be Quicker through Artificial Intelligence framework using a Mobile Phone-Based Survey in the Populations when Cities/Towns Are under Quarantine	Infection Control and Hospital Epidemiology	http://dx.doi.org/https://dx.doi.org/10.1017/ice.2020.61
	A. S. Yadaw, et al.	Clinical predictors of COVID-19 mortality	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.19.20103036
New	A. Shao, et al.	A novel scoring system in mortality prediction of severe patients with COVID-19	EclinicalMedicine	https://dx.doi.org/10.1016/j.eclinm.2020.100450
New	A. Shoukat, et al.	Projecting demand for critical care beds during COVID-19 outbreaks in Canada	Cmaj	https://dx.doi.org/10.1503/cmaj.200457
	A. Singh, et al.	Is this beginning or the end of COVID-19 battle in India? A data-driven mathematical model-based analysis of outbreak	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20081422

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	A. Singhal, et al.	Modeling and prediction of COVID-19 pandemic using Gaussian mixture model	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.110023
	A. Sohail, et al.	Forecasting the timeframe of coronavirus and human cells interaction with reverse engineering	Prog Biophys Mol Biol	https://dx.doi.org/10.1016/j.pbiomolbio.2020.04.002
	A. Srivastava, et al.	Understanding Spatial Heterogeneity of COVID-19 Pandemic Using Shape Analysis of Growth Rate Curves	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.25.20112433
New	A. Teimouri	An SEIR Model with Contact Tracing and Age-Structured Social Mixing for COVID-19 outbreak	medRxiv	https://dx.doi.org/10.1101/2020.07.05.20146647
	A. Tejera-Vaquero, et al.	Estimated Effect of COVID-19 Lockdown on Skin Tumor Size and Survival: An Exponential Growth Model	Actas Dermosifiliogr	https://dx.doi.org/10.1016/j.ad.2020.05.001
New	A. Teslya, et al.	Impact of self-imposed prevention measures and short-term government-imposed social distancing on mitigating and delaying a COVID-19 epidemic: A modelling study	PLoS Med	https://dx.doi.org/10.1371/journal.pmed.1003166
	A. Tomar, et al.	Prediction for the spread of COVID-19 in India and effectiveness of preventive measures	The Science of the total environment	https://dx.doi.org/https://dx.doi.org/10.1016/j.scitotenv.2020.138762
New	A. V. Maltsev, et al.	Societal heterogeneity contributes to complex dynamic patterns of the COVID-19 pandemics: insights from a novel Stochastic Heterogeneous Epidemic Model (SHEM)	medRxiv	https://dx.doi.org/10.1101/2020.07.10.20150813
	A. Vaid, et al.	Machine Learning to Predict Mortality and Critical Events in COVID-19 Positive New York City Patients	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20073411
	A. Victor Okhuese	Estimation of the Probability of Reinfection With COVID-19 by the Susceptible-Exposed-Infectious-Removed-Undetectable-Susceptible Model	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/19097
	A. Vigdorovits	Buying time: an ecological survival analysis of COVID-19 spread based on the gravity model	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087569
	A. Wahid, et al.	The Epidemiology of COVID-19 and applying Non Pharmaceutical interventions by using the Susceptible, Infectious Recovered epidemiological Model in Pakistan	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20095794
New	A. Weiss, et al.	Spatial and temporal dynamics of SARS-CoV-2 in COVID-19 patients: A systematic review and meta-analysis	EBioMedicine	https://dx.doi.org/10.1016/j.ebiom.2020.102916
New	A. Zeb, et al.	Mathematical Model for Coronavirus Disease 2019 (COVID-19) Containing Isolation Class	Biomed Res Int	https://dx.doi.org/10.1155/2020/3452402
New	Anonymous	A COVID-19 model	Nature biotechnology	https://dx.doi.org/https://dx.doi.org/10.1038/s41587-020-0606-0

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	Anonymous	Department of Error: Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study (The Lancet (2020) 395(10225) (689-697), (S0140673620302609), (10.1016/S014	The Lancet	http://dx.doi.org/https://dx.doi.org/10.1016/S0140-6736%2820%2930302-0
	Anonymous	Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans	British Journal of Surgery	http://dx.doi.org/https://dx.doi.org/10.1002/bjs.11746
	B. A. Panuganti, et al.	Predicting COVID-19 Incidence Using Anosmia and Other COVID-19 Symptomatology: Preliminary Analysis Using Google and Twitter	Otolaryngol Head Neck Surg	https://dx.doi.org/10.1177/0194599820932128
	B. A. Smith	A novel IDEA: The impact of serial interval on a modified-Incidence Decay and Exponential Adjustment (m-IDEA) model for projections of daily COVID-19 cases	Infect Dis Model	https://dx.doi.org/10.1016/j.idm.2020.05.003
	B. Ambikapathy, et al.	Mathematical Modelling to Assess the Impact of Lockdown on COVID-19 Transmission in India: Model Development and Validation	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/19368
	B. Ambrosio, et al.	On a coupled time-dependent SIR models fitting with New York and New-Jersey states COVID-19 data	Arxiv	http://arxiv.org/abs/2006.05665
	B. B. Chang, et al.	Ready for a long fight against the COVID-19 outbreak: an innovative model of tiered primary health care in Taiwan	BJGP Open	https://dx.doi.org/10.3399/bjgpopen20X101068
	B. BHATTACHARJEE	A HEURISTIC MODEL FOR SPREAD OF COVID-19 INFECTION CASES IN INDIA	medRxiv	https://dx.doi.org/10.1101/2020.04.25.20079483
	B. Balah, et al.	Forecasting COVID-19 new cases in Algeria using Autoregressive fractionally integrated moving average Models (ARFIMA)	medRxiv	https://dx.doi.org/10.1101/2020.05.03.20089615
	B. Cheng, et al.	A fundamental model and predictions for the spread of the COVID-19 epidemic	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20081281
New	B. Cheng, et al.	Predictors of progression from moderate to severe COVID-19: a retrospective cohort	Clin Microbiol Infect	https://dx.doi.org/10.1016/j.cmi.2020.06.033
New	B. Cheng, et al.	Predictors of progression from moderate to severe coronavirus disease 2019: a retrospective cohort	Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.cmi.2020.06.033
	B. Hurt, et al.	Deep Learning Localization of Pneumonia: 2019 Coronavirus (COVID-19) Outbreak	Journal of thoracic imaging	https://dx.doi.org/https://dx.doi.org/10.1097/RTI.0000000000000512
	B. K. Mishra, et al.	COVID-19 created chaos across the globe: Three novel quarantine epidemic models	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109928
	B. Khajji, et al.	A multi-region discrete time mathematical modeling of the dynamics of Covid-19 virus propagation using optimal control	J Appl Math Comput	https://dx.doi.org/10.1007/s12190-020-01354-3
	B. M. Althouse, et al.	Stochasticity and heterogeneity in the transmission dynamics of SARS-CoV-2	Arxiv	http://arxiv.org/abs/2005.13689

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	B. M. Ndiaye, et al.	Analysis of the COVID-19 pandemic by SIR model and machine learning technics for forecasting	Arxiv	http://arxiv.org/abs/2004.01574
	B. M. Ndiaye, et al.	Comparative prediction of confirmed cases with COVID-19 pandemic by machine learning, deterministic and stochastic SIR models	Arxiv	http://arxiv.org/abs/2004.13489
	B. McCall	COVID-19 and artificial intelligence: protecting health-care workers and curbing the spread	Lancet Digit Health	https://dx.doi.org/10.1016/s2589-7500(20)30054-6
	B. Nagappa, et al.	Now casting and Forecasting of COVID-19 outbreak in the National Capital Region of Delhi	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087783
	B. Nail, et al.	A new design of an adaptive model of infectious diseases based on artificial intelligence approach: monitoring and forecasting of COVID-19 epidemic cases	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20077677
	B. Pirouz, et al.	Development of an Assessment Method for Investigating the Impact of Climate and Urban Parameters in Confirmed Cases of COVID-19: A New Challenge in Sustainable Development	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17082801
	B. Rahman, et al.	The basic reproduction number of SARS-CoV-2 in Wuhan is about to die out, how about the rest of the World?	Rev Med Virol	https://dx.doi.org/10.1002/rmv.2111
	B. S. T. Alkahtani, et al.	A novel mathematics model of covid-19 with fractional derivative. Stability and numerical analysis	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.110006
	B. Shayak, et al.	Transmission Dynamics of COVID-19 and Impact on Public Health Policy	medRxiv	https://dx.doi.org/10.1101/2020.03.29.20047035
	B. Skiera, et al.	How to Best Predict the Daily Number of New Infections of COVID-19	SSRN Electronic Journal	https://dx.doi.org/10.2139/ssrn.3571252
	B. T. Varghese	The Kerala Model of health care delivery and its impact on Oral cancer care during the COVID 19 pandemic	Oral oncology	https://dx.doi.org/https://dx.doi.org/10.1016/j.oraloncology.2020.104769
	B. U. Hoffman	Significant Relaxation of SARS-CoV-2-Targeted Non-Pharmaceutical Interventions Will Result in Profound Mortality: A New York State Modelling Study	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20095505
	B. Zareie, et al.	A Model for COVID-19 Prediction in Iran Based on China Parameters	Arch Iran Med	https://dx.doi.org/10.34172/aim.2020.05
	C. A. H. Buhat, et al.	A mathematical model of COVID-19 transmission between frontliners and the general public	medRxiv	https://dx.doi.org/10.1101/2020.03.27.20045195
	C. A. K. Kwiimy, et al.	Nonlinear dynamic analysis of an epidemiological model for COVID-19 including public behavior and government action	Arxiv	==
	C. A. Pearson, et al.	Projected early spread of COVID-19 in Africa through 1 June 2020	Euro Surveill	https://dx.doi.org/10.2807/1560-7917.es.2020.25.18.2000543
	C. Anastassopoulou, et al.	Data-based analysis, modelling and forecasting of the COVID-19 outbreak	PLoS One	https://dx.doi.org/10.1371/journal.pone.0230405

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New	Primo Autore	Titolo	Rivista	DOI
	C. BORDEHORE, et al.	Understanding COVID-19 spreading through simulation modeling and scenarios comparison: preliminary results	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20047043
	C. Bandt	A reproduction rate which perfectly fits Covid-19	Arxiv	http://arxiv.org/abs/2006.02342
	C. Bayes, et al.	Modelling death rates due to COVID-19: A Bayesian approach	Arxiv	http://arxiv.org/abs/2004.02386
	C. Bohk-Ewald, et al.	A demographic scaling model for estimating the total number of COVID-19 infections	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20077719
	C. C. Chow, et al.	Global prediction of unreported SARS-CoV2 infection from observed COVID-19 cases	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20083485
New	C. Cakmakli, et al.	Bridging the COVID-19 Data and the Epidemiological Model using Time Varying Parameter SIRD Model	Arxiv	http://arxiv.org/abs/2007.02726
New	C. Carallo, et al.	Early-stage predictors of the acute phase duration in uncomplicated COVID-19 pneumonia	Journal of medical virology	https://dx.doi.org/https://dx.doi.org/10.1002/jmv.26281
	C. CovidSurg, et al.	Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans	The British journal of surgery	https://dx.doi.org/https://dx.doi.org/10.1002/bjs.11746
	C. Distante, et al.	Forecasting Covid-19 Outbreak Progression in Italian Regions: A model based on neural network training from Chinese data	medRxiv	https://dx.doi.org/10.1101/2020.04.09.20059055
	C. Donnat, et al.	Modeling the Heterogeneity in COVID-19's Reproductive Number and its Impact on Predictive Scenarios	Arxiv	http://arxiv.org/abs/2004.05272
	C. E. Ai, et al.	Disease burden and seasonal impact of improving rotavirus vaccine coverage in the United States: A modeling study	PLoS One	https://dx.doi.org/10.1371/journal.pone.0228942
New	C. E. Overton, et al.	Using statistics and mathematical modelling to understand infectious disease outbreaks: COVID-19 as an example	Infect Dis Model	https://dx.doi.org/10.1016/j.idm.2020.06.008
New	C. E. Rodriguez-Diaz, et al.	Risk for COVID-19 infection and death among Latinos in the United States: Examining heterogeneity in transmission dynamics	Ann Epidemiol	https://dx.doi.org/10.1016/j.annepidem.2020.07.007
	C. Fan, et al.	Prediction of Epidemic Spread of the 2019 Novel Coronavirus Driven by Spring Festival Transportation in China: A Population-Based Study	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17051679
	C. Fan, et al.	The Relationship between the Migrant Population's Migration Network and the Risk of COVID-19 Transmission in China-Empirical Analysis and Prediction in Prefecture-Level Cities	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17082630
	C. Garcia Filho	Simulating social distancing measures in household and close contact transmission of SARS-CoV-2	Cad Saude Publica	https://dx.doi.org/10.1590/0102-311x00099920

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New	Primo Autore	Titolo	Rivista	DOI
	C. Guerrero-Nancuante, et al.	[An epidemiological forecast of COVID-19 in Chile based on the generalized SEIR model and the concept of recovered]	Medwave	https://dx.doi.org/10.5867/medwave.2020.04.7898
	C. Hou, et al.	The effectiveness of quarantine of Wuhan city against the Corona Virus Disease 2019 (COVID-19): A well-mixed SEIR model analysis	Journal of medical virology	https://dx.doi.org/https://dx.doi.org/10.1002/jmv.25827
	C. Hou, et al.	The effectiveness of the quarantine of Wuhan city against the Corona Virus Disease 2019 (COVID-19): well-mixed SEIR model analysis	J Med Virol	https://dx.doi.org/10.1002/jmv.25827
	C. J. Murray	Forecasting COVID-19 impact on hospital bed-days, ICU-days, ventilator-days and deaths by US state in the next 4 months	medRxiv	https://dx.doi.org/10.1101/2020.03.27.20043752
	C. J. Murray	Forecasting the impact of the first wave of the COVID-19 pandemic on hospital demand and deaths for the USA and European Economic Area countries	medRxiv	https://dx.doi.org/10.1101/2020.04.21.20074732
	C. Kirkby, et al.	Response to: RILI model and the Covid-19 pneumonia: the radiation oncologist point of view	Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology	https://dx.doi.org/https://dx.doi.org/10.1016/j.radonc.2020.04.050
	C. Knoch	RSI model: COVID-19 in Germany Alternating quarantine episodes and normal episodes	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20075754
New	C. L. Kuo, et al.	COVID-19 severity is predicted by earlier evidence of accelerated aging	medRxiv	https://dx.doi.org/10.1101/2020.07.10.20147777
New	C. L. Shaw, et al.	What the reproductive number R_0 can and cannot tell us about COVID-19 dynamics	Arxiv	http://arxiv.org/abs/2006.14676
	C. Li, et al.	Retrospective analysis of the possibility of predicting the COVID-19 outbreak from Internet searches and social media data, China, 2020	Euro Surveill	https://dx.doi.org/10.2807/1560-7917.es.2020.25.10.2000199
New	C. M. Batistela, et al.	Compartmental model with loss of immunity: analysis and parameters estimation for Covid-19	Arxiv	http://arxiv.org/abs/2007.01295
	C. M. C. B. Fortaleza, et al.	Elementary spatial structures and dispersion of COVID-19: health geography directing responses to public health emergency in Sao Paulo State, Brazil	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20080895
	C. M. Peak, et al.	Comparative Impact of Individual Quarantine vs. Active Monitoring of Contacts for the Mitigation of COVID-19: a modelling study	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.03.05.20031088
	C. Mair, et al.	Retrospective estimation of respiratory virus covariances using Bayesian multivariate autoregressive models	Arxiv	http://arxiv.org/abs/1611.09063
New	C. Maringe, et al.	The impact of the COVID-19 pandemic on cancer deaths due to delays in diagnosis in England, UK: a national, population-based, modelling study	Lancet Oncol	https://dx.doi.org/10.1016/s1470-2045(20)30388-0
	C. Menni, et al.	Real-time tracking of self-reported symptoms to predict potential COVID-19	Nature medicine	https://dx.doi.org/https://dx.doi.org/10.1038/s41591-020-0916-2

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New	Primo Autore	Titolo	Rivista	DOI
	C. Monaghan, et al.	Artificial Intelligence for COVID-19 Risk Classification in Kidney Disease: Can Technology Unmask an Unseen Disease?	medRxiv	https://dx.doi.org/10.1101/2020.06.15.20131680
New	C. Poirier, et al.	The Role of Environmental Factors on Transmission Rates of the COVID-19 Outbreak: An Initial Assessment in Two Spatial Scales	Ssrn	https://dx.doi.org/10.2139/ssrn.3552677
New	C. Qi, et al.	Epidemiological characteristics and spatial-temporal analysis of COVID-19 in Shandong Province, China	Epidemiol Infect	https://dx.doi.org/10.1017/s095026882000151x
	C. R. Contaldi	COVID-19: Nowcasting Reproduction Factors Using Biased Case Testing Data	Arxiv	http://arxiv.org/abs/2005.12252
	C. R. Telles	Reducing SARS-CoV-2 infectious spreading patterns by removing S and R compartments from SIR model equation	medRxiv	https://dx.doi.org/10.1101/2020.06.12.20127498
	C. Reno, et al.	Forecasting COVID-19-Associated Hospitalizations under Different Levels of Social Distancing in Lombardy and Emilia-Romagna, Northern Italy: Results from an Extended SEIR Compartmental Model	J Clin Med	https://dx.doi.org/10.3390/jcm9051492
	C. S. Chang, et al.	The computation of case fatality rate for novel coronavirus (COVID-19) based on Bayes theorem: An observational study	Medicine (Baltimore)	https://dx.doi.org/10.1097/md.00000000000019925
	C. S. Narayanan	Modeling the COVID-19 outbreak in the United States	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086884
	C. TSALLIS, et al.	Predicting COVID-19 peaks around the world	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078154
	C. Tsay, et al.	Modeling, state estimation, and optimal control for the US COVID-19 outbreak	Arxiv	http://arxiv.org/abs/2004.06291
	C. Wilasang, et al.	Reduction in effective reproduction number of COVID-19 is higher in countries employing active case detection with prompt isolation	J Travel Med	https://dx.doi.org/10.1093/jtm/taaa095
	C. Xu, et al.	Estimation of reproduction numbers of COVID-19 in typical countries and epidemic trends under different prevention and control scenarios	Front Med	https://dx.doi.org/10.1007/s11684-020-0787-4
	C. Xu, et al.	Forecast analysis of the epidemics trend of COVID-19 in the United States by a generalized fractional-order SEIR model	Arxiv	http://arxiv.org/abs/2004.12541
	C. Y. Shen	A logistic growth model for COVID-19 proliferation: experiences from China and international implications in infectious diseases	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.04.085
	C. Y. Shen	Logistic growth modelling of COVID-19 proliferation in China and its international implications	International Journal of Infectious Diseases	http://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.04.085
	C. Y. Yang, et al.	A mathematical model for the novel coronavirus epidemic in Wuhan, China	Math Biosci Eng	https://dx.doi.org/10.3934/mbe.2020148

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New	Primo Autore	Titolo	Rivista	DOI
	C. Yang, et al.	Quantifying Projected Impact of Social Distancing Policies on COVID-19 Outcomes in the US	Arxiv	http://arxiv.org/abs/2005.00112
	C. You, et al.	Estimation of the time-varying reproduction number of COVID-19 outbreak in China	Int J Hyg Environ Health	https://dx.doi.org/10.1016/j.ijheh.2020.113555
New	C. Zhan, et al.	General Model for COVID-19 Spreading with Consideration of Intercity Migration, Insufficient Testing and Active Intervention: Application to Study of Pandemic Progression in Japan and USA	JMIR public health and surveillance20200627	https://dx.doi.org/https://dx.doi.org/10.2196/18880
New	C. Zhan, et al.	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding	PLoS One	https://dx.doi.org/10.1371/journal.pone.0234763
New	C. Zhang, et al.	A Novel Scoring System for Prediction of Disease Severity in COVID-19	Front Cell Infect Microbiol	https://dx.doi.org/10.3389/fcimb.2020.00318
	C.-J. Huang, et al.	Multiple-Input Deep Convolutional Neural Network Model for COVID-19 Forecasting in China	medRxiv	https://dx.doi.org/10.1101/2020.03.23.20041608
	C.-J. Huang, et al.	Novel Spatiotemporal Feature Extraction Parallel Deep Neural Network for Forecasting Confirmed Cases of Coronavirus Disease 2019	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086538
	D. A. Oluyori, et al.	Global Analysis of an SEIRS Model for COVID-19 Capturing Saturated Incidence with Treatment Response	medRxiv	https://dx.doi.org/10.1101/2020.05.15.20103630
	D. A. Swanson, et al.	A Simple Method for Estimating the Number of Unconfirmed COVID-19 Cases in a Local Area that Includes a Confidence Interval: A Case Study of Whatcom County, Washington	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086181
	D. Adam	Special report: The simulations driving the world's response to COVID-19	Nature	https://dx.doi.org/10.1038/d41586-020-01003-6
New	D. Baleanu, et al.	A fractional differential equation model for the COVID-19 transmission by using the Caputo-Fabrizio derivative	Adv Differ Equ	https://dx.doi.org/10.1186/s13662-020-02762-2
New	D. Bell, et al.	Predicting the Impact of COVID-19 and the Potential Impact of the Public Health Response on Disease Burden in Uganda	Am J Trop Med Hyg	https://dx.doi.org/10.4269/ajtmh.20-0546
	D. Benatia, et al.	Estimating COVID-19 Prevalence in the United States: A Sample Selection Model Approach	medRxiv	https://dx.doi.org/10.1101/2020.04.20.20072942
	D. Benvenuto, et al.	Application of the ARIMA model on the COVID-2019 epidemic dataset	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.105340
New	D. Bisanzio, et al.	Use of Twitter social media activity as a proxy for human mobility to predict the spatiotemporal spread of COVID-19 at global scale	Geospat Health	https://dx.doi.org/10.4081/gh.2020.882
	D. Bohning, et al.	Estimating the undetected infections in the Covid-19 outbreak by harnessing capture-recapture methods	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.06.009

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New	Primo Autore	Titolo	Rivista	DOI
	D. Calvetti, et al.	Bayesian dynamical estimation of the parameters of an SE(A)IR COVID-19 spread model	Arxiv	http://arxiv.org/abs/2005.04365
	D. Calvetti, et al.	Metapopulation network models for understanding, predicting and managing the coronavirus disease COVID-19	Arxiv	http://arxiv.org/abs/2005.06137
	D. E. F. F, et al.	Coronavirus Disease (COVID-19): A Machine Learning Bibliometric Analysis	In vivo (Athens, Greece)	http://dx.doi.org/https://dx.doi.org/10.21873/invivo.11951
	D. Epstein, et al.	Simultaneous ventilation of two simulated ARDS patients in COVID-19 pandemic	Critical care (London, England)	https://dx.doi.org/https://dx.doi.org/10.1186/s13054-020-02940-4
	D. Fanelli, et al.	Analysis and forecast of COVID-19 spreading in China, Italy and France	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109761
	D. Faranda, et al.	Modelling the second wave of COVID-19 infections in France and Italy via a Stochastic SEIR model	Arxiv	http://arxiv.org/abs/2006.05081
	D. Giuliani, et al.	Modelling and predicting the spatio-temporal spread of Coronavirus disease 2019 (COVID-19) in Italy	Arxiv	http://arxiv.org/abs/2003.06664
	D. Gunzler, et al.	Time-Varying COVID-19 Reproduction Number in the United States	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.04.10.20060863
	D. I. Ketcheson, et al.	Estimating and forecasting COVID-19 attack rates and mortality	medRxiv	https://dx.doi.org/10.1101/2020.05.11.20097972
	D. Ibarra-Vega	Lockdown, one, two, none, or smart. Modeling containing covid-19 infection. A conceptual model	The Science of the total environment	https://dx.doi.org/https://dx.doi.org/10.1016/j.scitotenv.2020.138917
	D. Ivanov	Predicting the impacts of epidemic outbreaks on global supply chains: A simulation-based analysis on the coronavirus outbreak (COVID-19/SARS-CoV-2) case	Transp Res E Logist Transp Rev	https://dx.doi.org/10.1016/j.tre.2020.101922
	D. Jakhar, et al.	Current Applications of Artificial Intelligence for COVID-19	Dermatologic therapy	http://dx.doi.org/https://dx.doi.org/10.1111/dth.13654
	D. Ji, et al.	Prediction for Progression Risk in Patients with COVID-19 Pneumonia: the CALL Score	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa414
	D. K. Gathungu, et al.	Modeling the Effects of Non-Pharmaceutical Interventions on COVID-19 Spread in Kenya	medRxiv	https://dx.doi.org/10.1101/2020.05.14.20102087
	D. K. Mamo	Model the transmission dynamics of COVID-19 propagation with public health intervention	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075184
	D. K. Sewell, et al.	Simulation-free estimation of an individual-based SEIR model for evaluating nonpharmaceutical interventions with an application to COVID-19 in Iowa	Arxiv	http://arxiv.org/abs/2005.08827
	D. Kang, et al.	Spatial epidemic dynamics of the COVID-19 outbreak in China	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.03.076

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New	Primo Autore	Titolo	Rivista	DOI
New	D. Li, et al.	Modeling Spatiotemporal Pattern of Depressive Symptoms Caused by COVID-19 Using Social Media Data Mining	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17144988
	D. Liu, et al.	A machine learning methodology for real-time forecasting of the 2019-2020 COVID-19 outbreak using Internet searches, news alerts, and estimates from mechanistic models	Arxiv	http://arxiv.org/abs/2004.04019
	D. Liu, et al.	The impact of containment measures and air temperature on mitigating the transmission of COVID-19: a novel data-based comprehensive modeling analysis	medRxiv	https://dx.doi.org/10.1101/2020.05.12.20099267
	D. M. Kennedy, et al.	Modeling the effects of intervention strategies on COVID-19 transmission dynamics	Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology	https://dx.doi.org/https://dx.doi.org/10.1016/j.jcv.2020.104440
	D. M. Thomas, et al.	A primer on COVID-19 Mathematical Models	Obesity (Silver Spring, Md.)	https://dx.doi.org/https://dx.doi.org/10.1002/oby.22881
New	D. N. Fisman, et al.	Bidirectional impact of imperfect mask use on reproduction number of COVID-19: A next generation matrix approach	Infect Dis Model	https://dx.doi.org/10.1016/j.idm.2020.06.004
	D. O. Anderez, et al.	A Modified Epidemiological Model to Understand the Uneven Impact of COVID-19 on Vulnerable Individuals and the Approaches Required to Help them Emerge from Lockdown	Arxiv	--
	D. Proverbio, et al.	Assessing suppression strategies against epidemic outbreaks like COVID-19: the SPQEIR model	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075804
	D. Pulido, et al.	Geospatial Spread of the COVID-19 Pandemic in Mexico	Arxiv	--
New	D. Rubin, et al.	Association of Social Distancing, Population Density, and Temperature With the Instantaneous Reproduction Number of SARS-CoV-2 in Counties Across the United States	JAMA network open	https://dx.doi.org/https://dx.doi.org/10.1001/jamanetworkopen.2020.16099
	D. Sherpa	Estimating Impact of Austerity policies in COVID-19 fatality rates:Examining the dynamics of economic policy and Case Fatality Rates (CFR) of COVID-19 in OCED countries	medRxiv	https://dx.doi.org/10.1101/2020.04.03.20047530
New	D. Suarez, et al.	SARS-CoV-2 Main Protease: A Molecular Dynamics Study	J Chem Inf Model	https://dx.doi.org/10.1021/acs.jcim.0c00575
New	D. Tomchin, et al.	Partial Prediction of the Virus COVID-19 Spread in Russia Based on SIR and SEIR Models	medRxiv	https://dx.doi.org/10.1101/2020.07.05.20146969
New	D. X. Zeng, et al.	Association of Padua prediction score with in-hospital prognosis in COVID-19 patients	Qjm	https://dx.doi.org/10.1093/qjmed/hcaa224
	D.-G. Chen, et al.	Reconstructing and forecasting the COVID-19 epidemic in the United States using a 5-parameter logistic growth model	Global health research and policy	https://dx.doi.org/https://dx.doi.org/10.1186/s41256-020-00152-5
New	D.-X. Zeng, et al.	Association of Padua prediction score with in-hospital prognosis in COVID-19 patients	QJM : monthly journal of the Association of Physicians	https://dx.doi.org/https://dx.doi.org/10.1093/qjmed/hcaa224
New	E. A. Molina-Cuevas	Choosing a growth curve to model the Covid-19 outbreak	Arxiv	http://arxiv.org/abs/2007.03779

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New	Primo Autore	Titolo	Rivista	DOI
New	E. Abdollahi, et al.	Simulating the effect of school closure during COVID-19 outbreaks in Ontario, Canada	BMC Med	https://dx.doi.org/10.1186/s12916-020-01705-8
	E. B. Pathak, et al.	COVID-19 in Children in the United States: Intensive Care Admissions, Estimated Total Infected, and Projected Numbers of Severe Pediatric Cases in 2020	J Public Health Manag Pract	https://dx.doi.org/10.1097/phh.0000000000001190
	E. B. Postnikov	on a back-of-envelope: Does the simplest SIR model provide quantitative parameters and predictions?	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109841
New	E. Bayraktar, et al.	A Macroeconomic SIR Model for COVID-19	Arxiv	http://arxiv.org/abs/2006.16389
	E. D. El Desouky	Prediction of the Epidemic Peak of Covid19 in Egypt, 2020	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086751
	E. Grifoni, et al.	The CALL score for predicting outcomes in patients with COVID-19	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa686
	E. J. Raker, et al.	Lessons from Hurricane Katrina for predicting the indirect health consequences of the COVID-19 pandemic	Proceedings of the National Academy of Sciences of the United States of America	https://dx.doi.org/https://dx.doi.org/10.1073/pnas.2006706117
New	E. Kaxiras, et al.	Multiple epidemic wave model of the Covid-19 pandemic	J Med Internet Res	https://dx.doi.org/10.2196/20912
	E. L. Piccolomini, et al.	Preliminary analysis of COVID-19 spread in Italy with an adaptive SEIRD model	--	https://arxiv.org/abs/2003.09909
	E. Loli Piccolomiini, et al.	Monitoring Italian COVID-19 spread by an adaptive SEIRD model	medRxiv	https://dx.doi.org/10.1101/2020.04.03.20049734
	E. M. Benavides	Robust predictive model for Carriers, Infections and Recoveries (CIR): first update for CoVid-19 in Spain	Arxiv	http://arxiv.org/abs/2004.05639
	E. M. Benavides	Robust predictive model for Carriers, Infections and Recoveries (CIR): predicting death rates for CoVid-19 in Spain	Arxiv	http://arxiv.org/abs/2003.13890
	E. M. Koltsova, et al.	Mathematical Modeling of the Spread of COVID-19 in Moscow and Russian Regions	Arxiv	http://arxiv.org/abs/2004.10118
	E. Mahase	Covid-19: UK starts social distancing after new model points to 260 000 potential deaths	BMJ	https://dx.doi.org/10.1136/bmj.m1089
	E. Massad, et al.	Two complementary model-based methods for calculating the risk of international spreading of a novel virus from the outbreak epicentre. The case of COVID-19	Epidemiol Infect	https://dx.doi.org/10.1017/s0950268820001223
	E. Massad, et al.	Two complementary model-based methods for calculating the risk of international spreading of a novel virus from the outbreak epicentre. The case of COVID-19	Epidemiol Infect	https://dx.doi.org/10.1017/s0950268820001223
	E. Rocchi, et al.	A Possible Scenario for the Covid-19 Epidemic, Based on the SI(R) Model	SN Compr Clin Med	https://dx.doi.org/10.1007/s42399-020-00306-z
	E. S. FONFRIA, et al.	Essential epidemiological parameters of COVID-19 for clinical and mathematical modeling purposes: a rapid review and meta-analysis	medRxiv	https://dx.doi.org/10.1101/2020.06.17.20133587
New	E. S. McBryde, et al.	Role of modelling in COVID-19 policy development	Paediatr Respir Rev	https://dx.doi.org/10.1016/j.prrv.2020.06.013

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New	Primo Autore	Titolo	Rivista	DOI
	E. Sahafizadeh, et al.	Epidemic curve and reproduction number of COVID-19 in Iran	Journal of travel medicine	https://dx.doi.org/https://dx.doi.org/10.1093/jtm/taaa077
	E. Xydas, et al.	Qualitative and quantitative evaluation of COVID-19 outbreak severity with the use of meta-projections based on Richards' curve parameters	--	https://arxiv.org/abs/2004.12398
	E. Z. Martinez, et al.	Short-term forecasting of daily COVID-19 cases in Brazil by using the Holt's model	Rev Soc Bras Med Trop	https://dx.doi.org/10.1590/0037-8682-0283-2020
	E. Z. Ong, et al.	A Dynamic Immune Response Shapes COVID-19 Progression	Cell Host Microbe	https://dx.doi.org/10.1016/j.chom.2020.03.021
	F. A. M. Cassaro, et al.	Can we predict the occurrence of COVID-19 cases? Considerations using a simple model of growth	The Science of the total environment	https://dx.doi.org/https://dx.doi.org/10.1016/j.scitotenv.2020.138834
	F. Bustamante-Castaneda, et al.	Epidemic model on a network: analysis and applications to COVID-19	Arxiv	http://arxiv.org/abs/1906.07449
New	F. Ciceri, et al.	Early predictors of clinical outcomes of COVID-19 outbreak in Milan, Italy	Clin Immunol	https://dx.doi.org/10.1016/j.clim.2020.108509
	F. Crocchio, et al.	Spreading of infections on random graphs: A percolation-type model for COVID-19	Arxiv	--
New	F. G. Sandmann, et al.	Optimising benefits of testing key workers for infection with SARS-CoV-2: A mathematical modelling analysis	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa901
	F. Khmaissia, et al.	An Unsupervised Machine Learning Approach to Assess the ZIP Code Level Impact of COVID-19 in NYC	Arxiv	--
	F. Koehler-Rieper, et al.	A novel deterministic forecast model for COVID-19 epidemic based on a single ordinary integro-differential equation	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20084376
New	F. L. Schumacher, et al.	A robust nonlinear mixed-effects model for COVID-19 deaths data	Arxiv	http://arxiv.org/abs/2007.00848
New	F. Liu, et al.	Diamond Princess	Science bulletin	https://dx.doi.org/https://dx.doi.org/10.1016/j.scib.2020.04.043
New	F. MartÃ-nez-Ãlvarez, et al.	Coronavirus Optimization Algorithm: A Bioinspired Metaheuristic Based on the COVID-19 Propagation Model	Big Data	https://dx.doi.org/10.1089/big.2020.0051
	F. NdaÃrou, et al.	Mathematical Modeling of COVID-19 Transmission Dynamics with a Case Study of Wuhan	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109846
	F. Petropoulos, et al.	Forecasting the novel coronavirus COVID-19	PLoS One	https://dx.doi.org/10.1371/journal.pone.0231236
New	F. Pinotti, et al.	Tracing and analysis of 288 early SARS-CoV-2 infections outside China: A modeling study	PLoS Med	https://dx.doi.org/10.1371/journal.pmed.1003193
	F. Qeadan, et al.	Naive Forecast for COVID-19 in Utah Based on the South Korea and Italy Models-the Fluctuation between Two Extremes	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17082750
	F. Riccardo, et al.	Epidemiological characteristics of COVID-19 cases in Italy and estimates of the reproductive numbers one month into the epidemic	medRxiv	https://dx.doi.org/10.1101/2020.04.08.20056861

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New	Primo Autore	Titolo	Rivista	DOI
	F. S. Alshammari	A mathematical model to investigate the transmission of COVID-19 in the Kingdom of Saudi Arabia	medRxiv	https://dx.doi.org/10.1101/2020.05.02.20088617
	F. Y. Cheng, et al.	Using Machine Learning to Predict ICU Transfer in Hospitalized COVID-19 Patients	J Clin Med	https://dx.doi.org/10.3390/jcm9061668
New	F. Zhou, et al.	Do not forget interaction: Predicting fatality of COVID-19 patients using logistic regression	Arxiv	http://arxiv.org/abs/2006.16942
	F. de Castro	Modelling of the second (and subsequent) waves of the coronavirus epidemic. Spain and Germany as case studies	medRxiv	https://dx.doi.org/10.1101/2020.06.12.20129429
	F. de Marinis, et al.	Results of Multilevel Containment Measures to Better Protect Lung Cancer Patients From COVID-19: The IEO Model	Front Oncol	https://dx.doi.org/10.3389/fonc.2020.00665
	F.-J. Schmitt	A simplified model for expected development of the SARS-CoV-2 (Corona) spread in Germany and US after social distancing	Arxiv	http://arxiv.org/abs/2003.10891
	G. A. Mamon	Fit of French COVID-19 hospital data with different evolutionary models: regional measures of R_0 before and during lockdown	Arxiv	http://arxiv.org/abs/2005.06552
	G. Ananthakrishna, et al.	A reductive analysis of a compartmental model for COVID-19: data assimilation and forecasting for the United Kingdom	Arxiv	http://arxiv.org/abs/2006.00659
	G. B. Libotte, et al.	Identification of an Epidemiological Model to Simulate the COVID-19 Epidemic using Robust Multi-objective Optimization and Stochastic Fractal Search	Arxiv	http://arxiv.org/abs/2006.00289
	G. Bhanot, et al.	Predictions for Europe for the Covid-19 pandemic from a SIR model	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.26.20114058
	G. Bonalumi, et al.	The COVID-19 outbreak and its impact on hospitals in Italy: the model of cardiac surgery	European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery	https://dx.doi.org/https://dx.doi.org/10.1093/ejcts/ezaa151
	G. Bärwolff	Prospects and limits of SIR-type Mathematical Models to Capture the COVID-19 Pandemic	Arxiv	http://arxiv.org/abs/2004.06522
New	G. C. Melo, et al.	Forecasting the rate of cumulative cases of COVID-19 infection in Northeast Brazil: a Boltzmann function-based modeling study	Cad Saude Publica	https://dx.doi.org/10.1590/0102-311x00105720
New	G. C. d. Melo, et al.	Forecasting the rate of cumulative cases of COVID-19 infection in Northeast Brazil: a Boltzmann function-based modeling study	Cadernos de saude publica	https://dx.doi.org/https://dx.doi.org/10.1590/0102-311x00105720
	G. Ding, et al.	Brief Analysis of the ARIMA model on the COVID-19 in Italy	medRxiv	https://dx.doi.org/10.1101/2020.04.08.20058636
New	G. Dropkin	COVID-19 UK Lockdown Forecasts and R_0	Front Public Health	https://dx.doi.org/10.3389/fpubh.2020.00256
	G. E. Weissman, et al.	Locally Informed Simulation to Predict Hospital Capacity Needs During the COVID-19 Pandemic	Ann Intern Med	https://dx.doi.org/10.7326/m20-1260
New	G. E. Weissman, et al.	Locally Informed Simulation to Predict Hospital Capacity Needs During the COVID-19 Pandemic	Annals of internal medicine	https://dx.doi.org/https://dx.doi.org/10.7326/M20-1260

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	G. F. Webb, et al.	A model to predict COVID-19 epidemics with applications to South Korea, Italy, and Spain	medRxiv	https://dx.doi.org/10.1101/2020.04.07.20056945
	G. Giordano, et al.	A SIDARTHE Model of COVID-19 Epidemic in Italy	Arxiv	https://dx.doi.org/10.1038/s41591-020-0883-7
	G. Giordano, et al.	Modelling the COVID-19 epidemic and implementation of population-wide interventions in Italy	Nat Med	https://dx.doi.org/10.1038/s41591-020-0883-7
	G. Grasselli, et al.	Critical Care Utilization for the COVID-19 Outbreak in Lombardy, Italy: Early Experience and Forecast During an Emergency Response	JAMA	https://dx.doi.org/https://dx.doi.org/10.1001/jama.2020.4031
	G. Huang, et al.	Prediction of COVID-19 Outbreak in China and Optimal Return Date for University Students Based on Propagation Dynamics	J Shanghai Jiaotong Univ Sci	https://dx.doi.org/10.1007/s12204-020-2167-2
	G. K. F. Baerwolff	A Contribution to the Mathematical Modeling of the Corona/COVID-19 Pandemic	medRxiv	https://dx.doi.org/10.1101/2020.04.01.20050229
	G. Kobayashi, et al.	Predicting Infection of COVID-19 in Japan: State Space Modeling Approach	Arxiv	http://arxiv.org/abs/2004.13483
	G. Kobayashi, et al.	Predicting intervention effect for COVID-19 in Japan: state space modeling approach	Biosci Trends	https://dx.doi.org/10.5582/bst.2020.03133
	G. Kobayashi, et al.	Predicting intervention effect for COVID-19 in Japan: state space modeling approach	Biosci Trends	https://dx.doi.org/10.5582/bst.2020.03133
New	G. Kozyreff	Hospitalization dynamics during the first COVID-19 pandemic wave: SIR modelling compared to Belgium, France, Italy, Switzerland and New York City data	Arxiv	http://arxiv.org/abs/2007.01411
	G. L. Vasconcelos, et al.	Modelling fatality curves of COVID-19 and the effectiveness of intervention strategies	medRxiv	https://dx.doi.org/10.1101/2020.04.02.20051557
	G. L. Watson, et al.	Fusing a Bayesian case velocity model with random forest for predicting COVID-19 in the U.S	medRxiv	https://dx.doi.org/10.1101/2020.05.15.20102608
	G. M. O'Reilly, et al.	Epidemiology and clinical features of emergency department patients with suspected COVID-19: Results from the first month of the COVED Quality Improvement Project (COVED-2)	Emerg Med Australas	https://dx.doi.org/10.1111/1742-6723.13573
	G. Martelloni, et al.	Analysis of the evolution of the Sars-Cov-2 in Italy, the role of the asymptomatics and the success of Logistic model	Arxiv	http://arxiv.org/abs/2004.02224
	G. Martin, et al.	How should hospitals manage the backlog of patients awaiting surgery following the COVID-19 pandemic? A demand modelling simulation case study for carotid endarterectomy	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20085183
New	G. Massonis, et al.	Structural Identifiability and Observability of Compartmental Models of the COVID-19 Pandemic	Arxiv	http://arxiv.org/abs/2006.14295
	G. N. Wong, et al.	Modeling COVID-19 dynamics in Illinois under non-pharmaceutical interventions	Arxiv	http://arxiv.org/abs/2006.02036
New	G. Nakamura, et al.	Effective epidemic model for COVID-19 using accumulated deaths	Arxiv	http://arxiv.org/abs/2007.02855

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New	Primo Autore	Titolo	Rivista	DOI
	G. Oliveira	Refined compartmental models, asymptomatic carriers and COVID-19	Arxiv	http://arxiv.org/abs/2004.14780
	G. Perone	ARIMA forecasting of COVID-19 incidence in Italy, Russia, and the USA	Arxiv	http://arxiv.org/abs/2006.01754
	G. Perone	An ARIMA Model to Forecast the Spread and the Final Size of COVID-2019 Epidemic in Italy	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20081539
	G. Rainisch, et al.	A dynamic modeling tool for estimating healthcare demand from the COVID19 epidemic and evaluating population-wide interventions	Arxiv	http://arxiv.org/abs/2004.13544
	G. S. Randhawa, et al.	Machine learning using intrinsic genomic signatures for rapid classification of novel pathogens: COVID-19 case study	PLoS One	https://dx.doi.org/10.1371/journal.pone.0232391
	G. Sonnino	Dynamics of the COVID-19 -- Comparison between the Theoretical Predictions and Real Data	Arxiv	http://arxiv.org/abs/2003.13540
	G. Sotgiu, et al.	Advanced forecasting of SARS-CoV-2-related deaths in Italy, Germany, Spain, and New York State	Allergy	https://dx.doi.org/https://dx.doi.org/10.1111/all.14327
	G. Vattay	Forecasting the outcome and estimating the epidemic model parameters from the fatality time series in COVID-19 outbreaks	Arxiv	http://arxiv.org/abs/2004.08973
	G. Vattay	Predicting the ultimate outcome of the COVID-19 outbreak in Italy	--	https://arxiv.org/abs/2003.07912
	G. X. Yuan, et al.	The Framework for the Prediction of the Critical Turning Period for Outbreak of COVID-19 Spread in China based on the iSEIR Model	Arxiv	http://arxiv.org/abs/2004.02278
	G.-M. A, et al.	Directed Accelerated Evolution of Novel Coronavirus (SARS-CoV-2) and Introducing a Modified Treatment Method for ARDS	Journal of biomedical physics & engineering	https://dx.doi.org/https://dx.doi.org/10.31661/jbpe.v0i0.2003-1085
New	H. A. Herrmann, et al.	Why COVID-19 models should incorporate the network of social interactions	Phys Biol	https://dx.doi.org/10.1088/1478-3975/aba8ec
	H. Ankarali, et al.	A Statistical Modeling of the Course of COVID-19 (SARS-CoV-2) Outbreak: A Comparative Analysis	Asia Pac J Public Health	https://dx.doi.org/10.1177/1010539520928180
	H. Borrmann, et al.	A versatile mouse model of COVID-19	Nat Rev Immunol	https://dx.doi.org/10.1038/s41577-020-0369-3
	H. Campbell, et al.	Bayesian adjustment for preferential testing in estimating the COVID-19 infection fatality rate: Theory and methods	Arxiv	http://arxiv.org/abs/2005.08459
New	H. G. Hong, et al.	Estimation of time-varying reproduction numbers underlying epidemiological processes: A new statistical tool for the COVID-19 pandemic	PLoS One	https://dx.doi.org/10.1371/journal.pone.0236464
	H. Guliyev	Determining the spatial effects of COVID-19 using the spatial panel data model	Spat Stat	https://dx.doi.org/10.1016/j.spasta.2020.100443

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New	Primo Autore	Titolo	Rivista	DOI
	H. He, et al.	Predicting the trend of the COVID-19 outbreak and timely grading the current risk level of epidemic based on moving average prediction limits	Journal of Shanghai Jiaotong University (Medical Science)	http://dx.doi.org/https://dx.doi.org/10.3969/j.issn.1674-8115.2020.04.002
	H. Hu, et al.	Comparing Rapid Scoring Systems in Mortality Prediction of Critically Ill Patients With Novel Coronavirus Disease	Academic emergency medicine : official journal of the Society for Academic Emergency Medicine	https://dx.doi.org/https://dx.doi.org/10.1111/acem.13992
	H. Hu, et al.	Comparing rapid scoring systems in mortality prediction of critical ill patients with novel coronavirus disease	Acad Emerg Med	https://dx.doi.org/10.1111/acem.13992
	H. Jo, et al.	Analysis of COVID-19 spread in South Korea using the SIR model with time-dependent parameters and deep learning	medRxiv	https://dx.doi.org/10.1101/2020.04.13.20063412
New	H. Li, et al.	Spatial statistical analysis of Coronavirus Disease 2019 (Covid-19) in China	Geospat Health	https://dx.doi.org/10.4081/gh.2020.867
	H. M. Silva, et al.	Projection of hospitalization by COVID-19 in Brazil following different social distances policies	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20080143
New	H. M. Yang, et al.	Mathematical model describing CoViD-19 in SÃ£o Paulo State, Brazil - Evaluating isolation as control mechanism and forecasting epidemiological scenarios of release	Epidemiol Infect	https://dx.doi.org/10.1017/s0950268820001600
	H. M. Yassine, et al.	How could artificial intelligence aid in the fight against coronavirus?: An interview with Dr Hadi M Yassine and Dr Zubair Shah by Felicity Poole, Commissioning Editor	Expert Review of Anti-Infective Therapy	http://dx.doi.org/https://dx.doi.org/10.1080/14787210.2020.1744275
	H. Masjedi, et al.	Nowcasting and Forecasting the Spread of COVID-19 in Iran	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20076281
New	H. Noorbhai	A mathematical model to guide the re-opening of economies during the COVID-19 pandemic	Ann Med Surg (Lond)	https://dx.doi.org/10.1016/j.amsu.2020.06.041
	H. Pan, et al.	Multi-chain Fudan-CCDC model for COVID-19 in Iran	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075630
	H. R. Pourghasemi, et al.	Assessment of the outbreak risk, mapping and infestation behavior of COVID-19: Application of the autoregressive and moving average (ARMA) and polynomial models	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083998
New	H. R. Pourghasemi, et al.	Spatial modelling, risk mapping, change detection, and outbreak trend analysis of coronavirus (COVID-19) in Iran (days between 19 February to 14 June 2020)	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.06.058
	H. Rahaman Khan, et al.	Countries are Clustered but Number of Tests is not Vital to Predict Global COVID-19 Confirmed Cases: A Machine Learning Approach	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078238
	H. Ren, et al.	Early forecasting of the potential risk zones of COVID-19 in China's megacities	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.138995
New	H. S. Badr, et al.	Association between mobility patterns and COVID-19 transmission in the USA: a mathematical modelling study	Lancet Infect Dis	https://dx.doi.org/10.1016/s1473-3099(20)30553-3

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New	Primo Autore	Titolo	Rivista	DOI
	H. Sharifi, et al.	Estimating the number of COVID-19-related infections, deaths and hospitalizations in Iran under different physical distancing and isolation scenarios: A compartmental mathematical modeling	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075440
	H. Shekhar	Prediction of Spreads of COVID-19 in India from Current Trend	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087460
	H. Singh, et al.	Mapping the genomic landscape & diversity of COVID-19 based on >3950 clinical isolates of SARS-CoV-2: Likely origin & transmission dynamics of isolates sequenced in India	Indian J Med Res	https://dx.doi.org/10.4103/ijmr.IJMR_1253_20
New	H. Sun, et al.	COVID-19 Outpatient Screening: a Prediction Score for Adverse Events	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.06.17.20134262
	H. Tandon, et al.	Coronavirus (COVID-19): ARIMA based time-series analysis to forecast near future	Arxiv	http://arxiv.org/abs/2004.07859
	H. Wang, et al.	Neutrophil to CD4+ lymphocyte ratio as a potential biomarker in predicting virus negative conversion time in COVID-19	International immunopharmacology	https://dx.doi.org/https://dx.doi.org/10.1016/j.intimp.2020.106683
New	H. Wang, et al.	Using Partial Differential Equation with Google Mobility Data to Model COVID-19 in Arizona	Arxiv	http://arxiv.org/abs/2006.16928
	H. Y. Cheng, et al.	Contact Tracing Assessment of COVID-19 Transmission Dynamics in Taiwan and Risk at Different Exposure Periods Before and After Symptom Onset	JAMA Intern Med	https://dx.doi.org/10.1001/jamainternmed.2020.2020
	H. Zhu	Transmission Dynamics and Control Methodology of COVID-19: a Modeling Study	medRxiv	https://dx.doi.org/10.1101/2020.03.29.20047118
	I. A. Adekunle, et al.	Modelling spatial variations of coronavirus disease (COVID-19) in Africa	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.138998
	I. Abdeljaoued-Tej	COVID-19 data analysis and modeling in Palestine	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078279
New	I. Ahmad, et al.	Increased internet search interest for GI symptoms may predict COVID-19 cases in US hotspots	Clin Gastroenterol Hepatol	https://dx.doi.org/10.1016/j.cgh.2020.06.058
	I. Burstyn, et al.	Towards reduction in bias in epidemic curves due to outcome misclassification through Bayesian analysis of time-series of laboratory test results: Case study of COVID-19 in Alberta, Canada and Philadelphia, USA	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.04.08.20057661
	I. C. Marschner	Back-projection of COVID-19 diagnosis counts to assess infection incidence and control measures: Analysis of Australian data	Epidemiology and infection	https://dx.doi.org/https://dx.doi.org/10.1017/S0950268820001065
	I. Ciufolini, et al.	An improved mathematical prediction of the time evolution of the Covid-19 pandemic in Italy, with a Monte Carlo simulation and error analyses	European physical journal plus	https://dx.doi.org/https://dx.doi.org/10.1140/epjp/s13360-020-00488-4
	I. Ciufolini, et al.	Mathematical prediction of the time evolution of the COVID-19 pandemic in Italy by a Gauss error function and Monte Carlo simulations	Eur Phys J Plus	https://dx.doi.org/10.1140/epjp/s13360-020-00383-y

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New	Primo Autore	Titolo	Rivista	DOI
	I. Cooper, et al.	A SIR model assumption for the spread of COVID-19 in different communities	Arxiv	--
New	I. Cooper, et al.	Dynamic tracking with model-based forecasting for the spread of the COVID-19 pandemic	Arxiv	http://arxiv.org/abs/2007.02032
	I. De Falco, et al.	Coronavirus Covid-19 spreading in Italy: optimizing an epidemiological model with dynamic social distancing through Differential Evolution	Arxiv	http://arxiv.org/abs/2004.00553
	I. Franch-Pardo, et al.	Spatial analysis and GIS in the study of COVID-19. A review	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.140033
New	I. G. Pereira, et al.	Forecasting Covid-19 Dynamics in Brazil: A Data Driven Approach	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17145115
	I. Garitano, et al.	[Estimating the number of COVID-19 cases using a web-based tool: Results from the first week of the 'Covid-19 Trends' project in the Basque Country]	Semergen	https://dx.doi.org/10.1016/j.semerg.2020.05.011
	I. Kirbas, et al.	Comparative analysis and forecasting of COVID-19 cases in various European countries with ARIMA, NARNN and LSTM approaches	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.110015
New	I. M. Karaye, et al.	The Impact of Social Vulnerability on COVID-19 in the U.S.: An Analysis of Spatially Varying Relationships	Am J Prev Med	https://dx.doi.org/10.1016/j.amepre.2020.06.006
	J. A. Jaimes, et al.	Phylogenetic Analysis and Structural Modeling of SARS-CoV-2 Spike Protein Reveals an Evolutionary Distinct and Proteolytically-Sensitive Activation Loop	J Mol Biol	https://dx.doi.org/10.1016/j.jmb.2020.04.009
	J. A. Knottnerus, et al.	Methodological challenges in studying the COVID-19 pandemic crisis	Journal of clinical epidemiology	https://dx.doi.org/https://dx.doi.org/10.1016/j.jclinepi.2020.04.001
	J. A. Lewnard, et al.	Incidence, clinical outcomes, and transmission dynamics of severe coronavirus disease 2019 in California and Washington: prospective cohort study	Bmj	https://dx.doi.org/10.1136/bmj.m1923
	J. A. Syage	A Real-Time Statistical Model for Tracking and Forecasting COVID-19 Deaths, Prevalence and Incidence	medRxiv	https://dx.doi.org/10.1101/2020.05.16.20104430
	J. Arino, et al.	A simple model for COVID-19	Infectious Disease Modelling	https://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.04.002
	J. Armstrong, et al.	Dynamic linkage of COVID-19 test results between Public Health England's Second Generation Surveillance System and UK Biobank	Microb Genom	https://dx.doi.org/10.1099/mgen.0.000397
	J. B. Valentin	Estimation of Basic Reproduction Number of the COVID-19 Epidemic in Denmark using a Two-Step Model	Arxiv	http://arxiv.org/abs/2003.09775
	J. B. Wong	Pandemic Surge Models in the Time of Severe Acute Respiratory Syndrome Coronavirus-2: Wrong or Useful?	Ann Intern Med	https://dx.doi.org/10.7326/m20-1956

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New	Primo Autore	Titolo	Rivista	DOI
	J. Baek, et al.	The Limits to Learning an SIR Process: Granular Forecasting for Covid-19	Arxiv	http://arxiv.org/abs/2006.06373
	J. Bayham, et al.	Impact of school closures for COVID-19 on the US health-care workforce and net mortality: a modelling study	Lancet Public Health	https://dx.doi.org/10.1016/s2468-2667(20)30082-7
	J. Browaeys, et al.	A simple model to fit the time evolution of the daily death rate of Covid-19 in European Union countries	medRxiv	https://dx.doi.org/10.1101/2020.05.06.20093062
	J. Bullard, et al.	Predicting infectious SARS-CoV-2 from diagnostic samples	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa638
	J. C. Emery, et al.	The contribution of asymptomatic SARS-CoV-2 infections to transmission - a model-based analysis of the Diamond Princess outbreak CMMID Repository	--	https://cmmid.github.io/topics/covid19/asypm-transmission.html
	J. C. Mora, et al.	A Semiempirical Dynamical Model to Forecast the Propagation of Epidemics: The Case of the Sars-Cov-2 in Spain	--	https://arxiv.org/abs/2004.08990
	J. C. Rangel, et al.	COVID-19 policy measures-Advocating for the inclusion of the social determinants of health in modelling and decision making	J Eval Clin Pract	https://dx.doi.org/10.1111/jep.13436
New	J. Chen, et al.	A Survey on Applications of Artificial Intelligence in Fighting Against COVID-19	Arxiv	http://arxiv.org/abs/2007.02202
	J. Daunizeau, et al.	On the reliability of model-based predictions in the context of the current COVID epidemic event: impact of outbreak peak phase and data paucity	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078485
	J. Dehning, et al.	Inferring COVID-19 spreading rates and potential change points for case number forecasts	Arxiv	http://arxiv.org/abs/2004.01105
	J. Demongeot, et al.	Temperature Decreases Spread Parameters of the New Covid-19 Case Dynamics	Biology	https://dx.doi.org/https://dx.doi.org/10.3390/biology9050094
	J. Dolbeault, et al.	Social heterogeneity and the COVID-19 lockdown in a multi-group SEIR model	medRxiv	https://dx.doi.org/10.1101/2020.05.15.20103010
	J. E. Amaro	The D model for deaths by COVID-19	Arxiv	http://arxiv.org/abs/2003.13747
New	J. E. McCarthy, et al.	Policy Implications of an Approximate Linear Infection Model for SARS-CoV-2	medRxiv	https://dx.doi.org/10.1101/2020.06.04.20122549
	J. F. Chan, et al.	Simulation of the clinical and pathological manifestations of Coronavirus Disease 2019 (COVID-19) in golden Syrian hamster model: implications for disease pathogenesis and transmissibility	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa325
	J. F. Chan, et al.	Surgical mask partition reduces the risk of non-contact transmission in a golden Syrian hamster model for Coronavirus Disease 2019 (COVID-19)	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa644
	J. F. Rayo, et al.	Modeling the dynamics of COVID-19 using Q-SEIR model with age-stratified infection probability	medRxiv	https://dx.doi.org/10.1101/2020.05.20.20095406

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New	Primo Autore	Titolo	Rivista	DOI
	J. Fernandez-Recio	Modelling the evolution of COVID-19 in high-incidence European countries and regions: estimated number of infections and impact of past and future intervention measures	medRxiv	https://dx.doi.org/10.1101/2020.05.09.20096735
New	J. Geng, et al.	A Silent Infection Pandemic of COVID-19: Epidemiological Investigation and Hypothetical Models	Can J Infect Dis Med Microbiol	https://dx.doi.org/10.1155/2020/5120253
	J. Gong, et al.	A Tool to Early Predict Severe Corona Virus Disease 2019 (COVID-19) : A Multicenter Study using the Risk Nomogram in Wuhan and Guangdong, China	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa443
	J. Gu, et al.	Better Strategies for Containing COVID-19 Epidemics -- A Study of 25 Countries via an Extended Varying Coefficient SEIR Model	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20081232
New	J. Hilton, et al.	Estimation of country-level basic reproductive ratios for novel Coronavirus (SARS-CoV-2/COVID-19) using synthetic contact matrices	PLoS Comput Biol	https://dx.doi.org/10.1371/journal.pcbi.1008031
	J. Inamo	How should we overcome the threat by the pandemic of 2019-nCoV? Epidemic simulation using the SIRS model	Clinical rheumatology	https://dx.doi.org/https://dx.doi.org/10.1007/s10067-020-05083-7
	J. J. Pandit	Demand-capacity modelling and Covid-19 disease: identifying themes for future NHS planning	Anaesthesia	https://dx.doi.org/10.1111/anae.15144
	J. Jia, et al.	Modeling the Control of COVID-19: Impact of Policy Interventions and Meteorological Factors	--	https://arxiv.org/abs/2003.02985
	J. Käthler, et al.	Robust and optimal predictive control of the COVID-19 outbreak	Arxiv	http://arxiv.org/abs/2005.03580
	J. L. Sesterhenn	Adjoint-based Data Assimilation of an Epidemiology Model for the Covid-19 Pandemic in 2020	Arxiv	https://dx.doi.org/10.5281/zenodo.3732292
	J. Li	A Robust Stochastic Method of Estimating the Transmission Potential of 2019-nCoV	Arxiv	http://arxiv.org/abs/2002.03828
	J. Li, et al.	The Data set for Patient Information Based Algorithm to Predict Mortality Cause by COVID-19	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.105619
	J. M. Carcione, et al.	A simulation of a COVID-19 epidemic based on a deterministic SEIR model	Arxiv	http://arxiv.org/abs/2004.03575
	J. M. Reps, et al.	Can we trust the prediction model? Demonstrating the importance of external validation by investigating the COVID-19 Vulnerability (C-19) Index across an international network of observational healthcare datasets	medRxiv	https://dx.doi.org/10.1101/2020.06.15.20130328
	J. Munshi, et al.	Spatiotemporal dynamics in demography-sensitive disease transmission: COVID-19 spread in NY as a case study	Arxiv	http://arxiv.org/abs/2005.01001
	J. O. Ferstad, et al.	A model to forecast regional demand for COVID-19 related hospital beds	medRxiv	https://dx.doi.org/10.1101/2020.03.26.20044842

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New	Primo Autore	Titolo	Rivista	DOI
	J. P. Arcede, et al.	Accounting for Symptomatic and Asymptomatic in a SEIR-type model of COVID-19	Arxiv	http://arxiv.org/abs/2004.01805
	J. Pan, et al.	Effectiveness of control strategies for Coronavirus Disease 2019: a SEIR dynamic modeling study	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-253807.pdf
	J. Panovska-Griffiths	Can mathematical modelling solve the current Covid-19 crisis?	BMC public health	https://dx.doi.org/https://dx.doi.org/10.1186/s12889-020-08671-z
	J. R. Bradley	Joint spatio-temporal analysis of multiple response types using the hierarchical generalized transformation model with application to coronavirus disease 2019 and social distancing	Arxiv	http://arxiv.org/abs/2002.09983
	J. R. Donsimoni, et al.	Projecting the Spread of COVID19 for Germany	medRxiv	https://dx.doi.org/10.1101/2020.03.26.20044214
	J. R. Koo, et al.	Interventions to mitigate early spread of SARS-CoV-2 in Singapore: a modelling study	Lancet Infect Dis	https://dx.doi.org/10.1016/s1473-3099(20)30162-6
New	J. R. Reimer, et al.	Modeling reductions in SARS-CoV-2 transmission and hospital burden achieved by prioritizing testing using a clinical prediction rule	medRxiv	https://dx.doi.org/10.1101/2020.07.07.20148510
	J. Rojas-Vallejos	Strengths and limitations of mathematical models in pandemicsthe case of COVID-19 in Chile	Medwave	https://dx.doi.org/10.5867/medwave.2020.03.7874
	J. Rybniker, et al.	Importance of precise data on SARS-CoV-2 transmission dynamics control	The Lancet. Infectious diseases	https://dx.doi.org/https://dx.doi.org/10.1016/S1473-3099(20)30359-5
	J. S. Ruthberg, et al.	Geospatial analysis of COVID-19 and otolaryngologists above age 60	American journal of otolaryngology	https://dx.doi.org/https://dx.doi.org/10.1016/j.amjoto.2020.102514
New	J. S. Weitz, et al.	Modeling shield immunity to reduce COVID-19 epidemic spread	Nature medicine	https://dx.doi.org/https://dx.doi.org/10.1038/s41591-020-0895-3
	J. Scire, et al.	Reproductive number of the COVID-19 epidemic in Switzerland with a focus on the Cantons of Basel-Stadt and Basel-Landschaft	Swiss Med Wkly	https://dx.doi.org/10.4414/smw.2020.20271
	J. Shen	A Recursive Bifurcation Model for Predicting the Peak of COVID-19 Virus Spread in United States and Germany	medRxiv	https://dx.doi.org/10.1101/2020.04.09.20059329
	J. Stebbing, et al.	Mechanism of baricitinib supports artificial intelligence-predicted testing in COVID-19 patients	EMBO Mol Med	https://dx.doi.org/10.15252/emmm.202012697
	J. Stubinger, et al.	Epidemiology of Coronavirus COVID-19: Forecasting the Future Incidence in Different Countries	Healthcare (Basel)	https://dx.doi.org/10.3390/healthcare8020099
	J. T. Wu, et al.	Estimating clinical severity of COVID-19 from the transmission dynamics in Wuhan, China	Nat Med	https://dx.doi.org/10.1038/s41591-020-0822-7

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New	Primo Autore	Titolo	Rivista	DOI
	J. T. Wu, et al.	Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study	Lancet	https://dx.doi.org/10.1016/s0140-6736(20)30260-9
	J. W. Xu, et al.	Deep thought of COVID-19 based on Diamond Princess's quarantine and home quarantine	Eur Rev Med Pharmacol Sci	https://dx.doi.org/10.26355/eurrev_202004_20872
	J. Wang, et al.	Global dynamics of a SUIR model with predicting COVID-19	Arxiv	http://arxiv.org/abs/2004.12433
	J. Wangping, et al.	Extended SIR Prediction of the Epidemics Trend of COVID-19 in Italy and Compared With Hunan, China	Frontiers in medicine	https://dx.doi.org/https://dx.doi.org/10.3389/fmed.2020.00169
New	J. Wise	Covid-19: Study reveals six clusters of symptoms that could be used as a clinical prediction tool	Bmj	https://dx.doi.org/10.1136/bmj.m2911
	J. Xu, et al.	Trends and prediction in daily incidence of novel coronavirus infection in China, Hubei Province and Wuhan City: an application of Farr's law	American journal of translational research	http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=prem&NEWS=N&AN=32355547
	J. Zhang, et al.	Changes in contact patterns shape the dynamics of the COVID-19 outbreak in China	Science	https://dx.doi.org/10.1126/science.abb8001
	J. Zhang, et al.	SIR Model-based Prediction of Infected Population of Coronavirus in Hubei Province	Arxiv	http://arxiv.org/abs/2003.06419
New	J. Zu, et al.	Transmission patterns of COVID-19 in the mainland of China and the efficacy of different control strategies: a data- and model-driven study	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00709-z
New	J. Zu, et al.	Transmission patterns of COVID-19 in the mainland of China and the efficacy of different control strategies: a data- and model-driven study	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00709-z
	J.-D. van Wees, et al.	Forecasting hospitalization and ICU rates of the COVID-19 outbreak: an efficient SEIR model	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-256743.pdf
New	J.-M. Hwang, et al.	Neurological diseases as mortality predictive factors for patients with COVID-19: a retrospective cohort study	Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology	https://dx.doi.org/https://dx.doi.org/10.1007/s10072-020-04541-z
	J.-Y. Kang, et al.	Rapidly Measuring Spatial Accessibility of COVID-19 Healthcare Resources: A Case Study of Illinois, USA	medRxiv	https://dx.doi.org/10.1101/2020.05.06.20093534
	K. Abdulmajeed, et al.	ONLINE FORECASTING OF COVID-19 CASES IN NIGERIA USING LIMITED DATA	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.105683
	K. Amla, et al.	The Impact of Public Safety Measures on the Spread of COVID-19 in the United States Assessed By Causal Model-Based Projections of the Pandemic	Arxiv	http://arxiv.org/abs/2004.03200
	K. B. Blyuss, et al.	Effects of latency and age structure on the dynamics and containment of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.25.20079848

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New	Primo Autore	Titolo	Rivista	DOI
	K. Biswas, et al.	Covid-19 spread: Reproduction of data and prediction using a SIR model on Euclidean network	Arxiv	http://arxiv.org/abs/2003.07063
	K. Bodova, et al.	Emerging Polynomial Growth Trends in COVID-19 Pandemic Data and Their Reconciliation with Compartment Based Models	Arxiv	http://arxiv.org/abs/2005.06933
	K. C. Santosh	AI-Driven Tools for Coronavirus Outbreak: Need of Active Learning and Cross-Population Train/Test Models on Multitudinal/Multimodal Data	J Med Syst	https://dx.doi.org/10.1007/s10916-020-01562-1
	K. Chatterjee, et al.	Healthcare impact of COVID-19 epidemic in India: A stochastic mathematical model	Med J Armed Forces India	https://dx.doi.org/10.1016/j.mjafi.2020.03.022
	K. Deforche	An age-structured epidemiological model of the Belgian COVID-19 epidemic	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20077115
	K. E. Hoffmann Pham, et al.	From plague to coronavirus: vessel trajectory data from ship automatic identification systems for epidemic modeling1	J Travel Med	https://dx.doi.org/10.1093/jtm/taaa072
	K. Goswami, et al.	Projections for COVID-19 pandemic in India and effect of temperature and humidity	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.05.045
	K. Iwata, et al.	A Simulation on Potential Secondary Spread of Novel Coronavirus in an Exported Country Using a Stochastic Epidemic SEIR Model	J Clin Med	https://dx.doi.org/10.3390/jcm9040944
	K. J. Friston, et al.	Dynamic causal modelling of COVID-19	Arxiv	http://arxiv.org/abs/2004.04463
	K. Kanagarathinam, et al.	Estimation of Reproduction Number (Ro) and Early Prediction of 2019 Novel Coronavirus Disease (COVID-19) Outbreak in India Using Statistical Computing Approach	Epidemiol Health	https://dx.doi.org/10.4178/epih.e2020028
New	K. Kanagarathinam, et al.	Estimation of the reproduction number and early prediction of the COVID-19 outbreak in India using a statistical computing approach	Epidemiol Health	https://dx.doi.org/10.4178/epih.e2020028
	K. Karako, et al.	Analysis of COVID-19 infection spread in Japan based on stochastic transition model	Biosci Trends	https://dx.doi.org/10.5582/bst.2020.01482
	K. Kosmidis, et al.	A Fractal kinetics SI model can explain the dynamics of COVID-19 epidemics	medRxiv	https://dx.doi.org/10.1101/2020.04.11.20061366
New	K. Krishnamurthy, et al.	Prediction of the transition from sub-exponential to the exponential transmission of SARS-CoV-2 and epidemic nowcasting for metro-zones: Experiences from Chennai-Metro-Merge, India	JMIR Public Health Surveill	https://dx.doi.org/10.2196/21152
	K. Leung, et al.	First-wave COVID-19 transmissibility and severity in China outside Hubei after control measures, and second-wave scenario planning: a modelling impact assessment	Lancet (London, England)	https://dx.doi.org/https://dx.doi.org/10.1016/S0140-6736(20)30746-7
	K. Liang	Mathematical model of infection kinetics and its analysis for COVID-19, SARS and MERS	Infect Genet Evol	https://dx.doi.org/10.1016/j.meegid.2020.104306
	K. Linka, et al.	The reproduction number of COVID-19 and its correlation with public health interventions	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20088047

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New	Primo Autore	Titolo	Rivista	DOI
New	K. M. McMullen, et al.	Impact of SARS-CoV-2 on Hospital Acquired Infection Rates in the United States: Predictions and Early Results	Am J Infect Control	https://dx.doi.org/10.1016/j.ajic.2020.06.209
	K. Mizumoto, et al.	Spatial variability in the risk of death from COVID-19 in Italy, 2020	medRxiv	https://dx.doi.org/10.1101/2020.04.01.20049668
	K. P. C. A. J. K. Kucharski Adam J, et al.	Effectiveness of isolation, testing, contact tracing and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study CMMID Repository	London School of Hygiene and Tropical Medicine Reports	https://cmmid.github.io/topics/covid19/tracing-bbc.html
	K. P. Wijaya, et al.	A COVID-19 epidemic model integrating direct and fomite transmission as well as household structure	medRxiv	https://dx.doi.org/10.1101/2020.04.25.20079178
	K. Prem, et al.	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study	The Lancet. Public health	https://dx.doi.org/https://dx.doi.org/10.1016/S2468-2667(20)30073-6
	K. Roosa, et al.	Real-time forecasts of the COVID-19 epidemic in China from February 5th to February 24th, 2020	Infectious Disease Modelling	https://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.02.002
	K. Roosa, et al.	Short-term Forecasts of the COVID-19 Epidemic in Guangdong and Zhejiang, China: February 13-23, 2020	Journal of clinical medicine	https://dx.doi.org/https://dx.doi.org/10.3390/jcm9020596
New	K. Senel, et al.	SPE Approach for Robust Estimation of SIR Model with Limited and Noisy Data: The Case for COVID-19	Disaster Med Public Health Prep	https://dx.doi.org/10.1017/dmp.2020.220
New	K. Shah, et al.	Qualitative Analysis of a Mathematical Model in the Time of COVID-19	BioMed research international	https://dx.doi.org/https://dx.doi.org/10.1155/2020/5098598
	K. Singh, et al.	Validating a Widely Implemented Deterioration Index Model Among Hospitalized COVID-19 Patients	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20079012
New	K. T. L. Sy, et al.	Population density and basic reproductive number of COVID-19 across United States counties	medRxiv : the preprint server for health sciences20200627	https://dx.doi.org/https://dx.doi.org/10.1101/2020.06.12.20130021
	K. Wan, et al.	When will the battle against novel coronavirus end in Wuhan: A SEIR modeling analysis	J Glob Health	https://dx.doi.org/10.7189/jogh.10.011002
New	K. Wang, et al.	Real-time estimation of the reproduction number of the novel coronavirus disease (COVID-19) in China in 2020 based on incidence data	Ann Transl Med	https://dx.doi.org/10.21037/atm-20-1944
	K. Wu, et al.	Generalized logistic growth modeling of the COVID-19 outbreak in 29 provinces in China and in the rest of the world	Arxiv	http://arxiv.org/abs/2003.05681
	K. Y. Ng, et al.	COVID-19: Development of a robust mathematical model and simulation package with consideration for ageing population and time delay for control action and resusceptibility	Physica D	https://dx.doi.org/10.1016/j.physd.2020.132599
	K.-M. Tam, et al.	Projected Development of COVID-19 in Louisiana	Arxiv	http://arxiv.org/abs/2004.02859

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New	Primo Autore	Titolo	Rivista	DOI
	L. A. R. Palomino, et al.	Minimal epidemic model considering external infected injection and governmental quarantine policies: Application to COVID-19 pandemic	Arxiv	http://arxiv.org/abs/2005.01944
	L. Alvarez	A model to forecast the evolution of the number of COVID-19 symptomatic patients after drastic isolation measures	Arxiv	http://arxiv.org/abs/2003.10017
New	L. Anderegg, et al.	A scalable method of applying heat and humidity for decontamination of N95 respirators during the COVID-19 crisis	PLoS One	https://dx.doi.org/10.1371/journal.pone.0234851
	L. Basnarkov	Epidemic spreading model of COVID-19	Arxiv	http://arxiv.org/abs/2005.11815
	L. Bertolaccini, et al.	The hearth of mathematical and statistical modelling during the Coronavirus pandemic	Interact Cardiovasc Thorac Surg	https://dx.doi.org/10.1093/icvts/ivaa076
	L. Dell'Anna	Solvable delay model for epidemic spreading: the case of Covid-19 in Italy	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20080523
New	L. Duchemin, et al.	Predicted effects of summer holidays and seasonality on the SARS-Cov-2 epidemic in France	medRxiv	https://dx.doi.org/10.1101/2020.07.06.20147660
	L. E. Miller, et al.	Spatial analysis of global variability in covid-19 burden	Risk Management and Healthcare Policy	http://dx.doi.org/https://dx.doi.org/10.2147/RMHP.S255793
	L. F. Dy, et al.	A COVID-19 Infection Risk Model for Frontline Health Care Workers	medRxiv	https://dx.doi.org/10.1101/2020.03.27.20045336
	L. Fenga	Forecasting the CoViD19 Diffusion in Italy and the Related Occupancy of Intensive Care Units	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20047894
	L. Ferrari, et al.	Modelling provincial Covid-19 epidemic data in Italy using an adjusted time-dependent SIRD model	Arxiv	http://arxiv.org/abs/2005.12170
	L. Gosce, et al.	Modelling SARS-COV2 Spread in London: Approaches to Lift the Lockdown	J Infect	https://dx.doi.org/10.1016/j.jinf.2020.05.037
	L. J. Thomas, et al.	Spatial Heterogeneity Can Lead to Substantial Local Variations in COVID-19 Timing and Severity	Arxiv	http://arxiv.org/abs/2005.09850
	L. Jehi, et al.	Individualizing risk prediction for positive COVID-19 testing: results from 11,672 patients	Chest	https://dx.doi.org/10.1016/j.chest.2020.05.580
	L. Jia, et al.	Prediction and analysis of Coronavirus Disease 2019	Arxiv	http://arxiv.org/abs/2003.05447
	L. Kriston	Projection of Cumulative Coronavirus Disease 2019 (COVID-19) Case Growth with a Hierarchical Logistic Model	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-257386.pdf
	L. L. Huang, et al.	[Dynamic basic reproduction number based evaluation for current prevention and control of COVID-19 outbreak in China]	Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi	https://dx.doi.org/https://dx.doi.org/10.3760/cma.j.cn112338-20200209-00080
	L. Li, et al.	Artificial Intelligence Distinguishes COVID-19 from Community Acquired Pneumonia on Chest CT	Radiology	http://dx.doi.org/https://dx.doi.org/10.1148/radiol.20200905
	L. Li, et al.	Propagation analysis and prediction of the COVID-19	Infectious Disease Modelling	http://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.03.002
	L. Lin, et al.	Combat COVID-19 with artificial intelligence and big data	J Travel Med	https://dx.doi.org/10.1093/jtm/taaa080

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New	Primo Autore	Titolo	Rivista	DOI
	L. Lusa	Identifying the Italian provinces with increased mortality during CoVID epidemics using the data made available by Istat – a methodological challenge	E&P Repository	https://repo.epiprev.it/index.php/2020/05/02/identifying-the-italian-provinces-with-increased-mortality-during-covid-epidemics-using-the-data-made-available-by-istat-a-methodological-challenge/
	L. Mulder	Use of simulated annealing to determine the operational parameters of the SEIR model for the coronavirus for various jurisdictions	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-260513.pdf
New	L. O. Fasehun	Reviewing COVID-19 Modelling amidst Recent United States Protests	Ann Glob Health	https://dx.doi.org/10.5334/aogh.2970
New	L. Palombi, et al.	Does the Coronavirus (COVID-19) Pandemic Call for a New Model of Older People Care?	Frontiers in public health	https://dx.doi.org/https://dx.doi.org/10.3389/fpubh.2020.00311
	L. Pei	Prediction of numbers of the accumulative confirmed patients (NACP) and the plateau phase of 2019-nCoV in China	Cogn Neurodyn	https://dx.doi.org/10.1007/s11571-020-09588-4
	L. Peng, et al.	Epidemic analysis of COVID-19 in China by dynamical modeling	Arxiv	http://arxiv.org/abs/2002.06563
	L. Pribylova, et al.	SEIAR model with asymptomatic cohort and consequences to efficiency of quarantine government measures in COVID-19 epidemic	Arxiv	http://arxiv.org/abs/2004.02601
	L. Qin, et al.	Prediction of Number of Cases of 2019 Novel Coronavirus (COVID-19) Using Social Media Search Index	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17072365
	L. R. Lopez, et al.	A modified SEIR model to predict the COVID-19 outbreak in Spain: simulating control scenarios and multi-scale epidemics	medRxiv	https://dx.doi.org/10.1101/2020.03.27.20045005
New	L. Roques, et al.	Impact of Lockdown on the Epidemic Dynamics of COVID-19 in France	Front Med (Lausanne)	https://dx.doi.org/10.3389/fmed.2020.00274
New	L. Song, et al.	Analysis of prediction and early warning indexes of patients with COVID-19	Expert Rev Respir Med	https://dx.doi.org/10.1080/17476348.2020.1793674
New	L. Su, et al.	Evaluation of the Secondary Transmission Pattern and Epidemic Prediction of COVID-19 in the Four Metropolitan Areas of China	Front Med (Lausanne)	https://dx.doi.org/10.3389/fmed.2020.00171
	L. Wang, et al.	Spatiotemporal Dynamics, Nowcasting and Forecasting of COVID-19 in the United States	Arxiv	http://arxiv.org/abs/2004.14103
	L. Wei, et al.	Cov_FB3D: A de novo covalent drug design protocol integrating the BA-SAMP strategy and machine-learning-based synthetic tractability evaluation	J Chem Inf Model	https://dx.doi.org/10.1021/acs.jcim.9b01197
New	L. Worden, et al.	Estimation of effects of contact tracing and mask adoption on COVID-19 transmission in San Francisco: a modeling study	medRxiv	https://dx.doi.org/10.1101/2020.06.09.20125831
	L. Xue, et al.	A Data-Driven Network Model for the Emerging COVID-19 Epidemics in Wuhan, Toronto and Italy	Arxiv	http://arxiv.org/abs/2005.14533

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New	Primo Autore	Titolo	Rivista	DOI
New	L. Xue, et al.	A data-driven network model for the emerging COVID-19 epidemics in Wuhan, Toronto and Italy	Math Biosci	https://dx.doi.org/10.1016/j.mbs.2020.108391
	L. Zhang, et al.	Early characteristics of the COVID-19 outbreak predict the subsequent epidemic size	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	http://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.05.122
	L. Zhong, et al.	Early Prediction of the 2019 Novel Coronavirus Outbreak in the Mainland China Based on Simple Mathematical Model	IEEE Access	https://dx.doi.org/10.1109/access.2020.2979599
New	L. Zhou, et al.	COVID-19 seeding time and doubling time model: an early epidemic risk assessment tool	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00685-4
	L.-S. Huang, et al.	Taking Account of Asymptomatic Infections in Modeling the Transmission Potential of the COVID-19 Outbreak on the Diamond Princess Cruise Ship	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20074286
New	L.-S. Xiao, et al.	Development and validation of the HNC-LL score for predicting the severity of coronavirus disease 2019	EBioMedicine	https://dx.doi.org/https://dx.doi.org/10.1016/j.ebiom.2020.102880
	M. A. A. Al-Qaness, et al.	Marine Predators Algorithm for Forecasting Confirmed Cases of COVID-19 in Italy, USA, Iran and Korea	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17103520
	M. A. A. Al-Qaness, et al.	Optimization method for forecasting confirmed cases of COVID-19 in China	Journal of Clinical Medicine	http://dx.doi.org/https://dx.doi.org/10.3390/jcm9030674
	M. A. Acuna-Zegarra, et al.	Modeling behavioral change and COVID-19 containment in Mexico: A trade-off between lockdown and compliance	Mathematical biosciences	https://dx.doi.org/https://dx.doi.org/10.1016/j.mbs.2020.108370
New	M. A. Alkhamis, et al.	Spatiotemporal dynamics of the COVID-19 pandemic in the State of Kuwait	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.06.078
	M. A. Capistran, et al.	Forecasting hospital demand during COVID-19 pandemic outbreaks	Arxiv	http://arxiv.org/abs/2006.01873
	M. A. M. T. Balde, et al.	Impact studies of nationwide measures COVID-19 anti-pandemic: compartmental model and machine learning	Arxiv	http://arxiv.org/abs/2005.08395
	M. Aghaali, et al.	Estimation of the Serial Interval and Basic Reproduction Number of COVID-19 in Qom, Iran, and Three Other Countries: A Data-Driven Analysis in the Early Phase of the Outbreak	Transbound Emerg Dis	https://dx.doi.org/10.1111/tbed.13656
	M. Allen, et al.	Organising outpatient dialysis services during the COVID-19 pandemic. A simulation and mathematical modelling study	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075457
	M. Allieta, et al.	COVID-19 outbreak in Italy: estimation of reproduction numbers over two months toward the Phase 2	medRxiv	https://dx.doi.org/10.1101/2020.05.12.20076794
	M. Bahloul, et al.	Fractional-order SEIQRDP model for simulating the dynamics of COVID-19 epidemic	Arxiv	http://arxiv.org/abs/2005.01820

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New	Primo Autore	Titolo	Rivista	DOI
	M. Chary, et al.	Geospatial Correlation Between COVID-19 Health Misinformation on Social Media and Poisoning with Household Cleaners	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20079657
New	M. Chikina, et al.	Modeling strict age-targeted mitigation strategies for COVID-19	PLoS One	https://dx.doi.org/10.1371/journal.pone.0236237
	M. Chikina, et al.	Modeling strict age-targeted mitigation strategies for COVID-19	Arxiv	http://arxiv.org/abs/2004.04144
	M. D. MARCHESIN	TAMING COVID-19 EPIDEMIC IN SÃo PAULO WITH A LOGISTIC MODEL AND NON-PHARMACEUTICAL MEASURES	medRxiv	https://dx.doi.org/10.1101/2020.05.06.20093666
New	M. D. Verhagen, et al.	Forecasting spatial, socioeconomic and demographic variation in COVID-19 health care demand in England and Wales	BMC medicine	https://dx.doi.org/https://dx.doi.org/10.1186/s12916-020-01646-2
	M. Dong, et al.	Understand Research Hotspots Surrounding COVID-19 and Other Coronavirus Infections Using Topic Modeling	medRxiv	https://dx.doi.org/10.1101/2020.03.26.20044164
New	M. E. Kretzschmar, et al.	Impact of delays on effectiveness of contact tracing strategies for COVID-19: a modelling study	Lancet Public Health	https://dx.doi.org/10.1016/s2468-2667(20)30157-2
	M. Enserink, et al.	With COVID-19, modeling takes on life and death importance	Science	https://dx.doi.org/10.1126/science.367.6485.1414-b
	M. Falchetta	[Risk models for Covid-19 resilience] Modelli di rischio per la resilienza al Covid-19	E&P Repository	https://repo.epiprev.it/index.php/2020/05/06/modelli-di-rischio-per-la-resilienza-al-covid-19/
New	M. Fawad, et al.	Trend Dynamics of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission in 16 Cities of Hubei Province, China	Clin Epidemiol	https://dx.doi.org/10.2147/clep.s254806
New	M. Fiorentino, et al.	The Palliative Performance Scale predicts mortality in hospitalized patients with COVID-19	Palliat Med	https://dx.doi.org/10.1177/0269216320940566
	M. G. Pedersen, et al.	A simple method to quantify country-specific effects of COVID-19 containment measures	medRxiv	https://dx.doi.org/10.1101/2020.04.07.20057075
	M. Gatto, et al.	Spread and dynamics of the COVID-19 epidemic in Italy: Effects of emergency containment measures	Proc Natl Acad Sci U S A	https://dx.doi.org/10.1073/pnas.2004978117
	M. Gilbert, et al.	Preparedness and vulnerability of African countries against importations of COVID-19: a modelling study	The Lancet	http://dx.doi.org/https://dx.doi.org/10.1016/S0140-6736%2820%2930411-6
	M. Giudici, et al.	Inversion of a SIR-based model: a critical analysis about the application to COVID-19 epidemic	Arxiv	http://arxiv.org/abs/2004.07738
New	M. H. Andreae, et al.	Data and debriefing observations on healthcare simulation to prepare for the COVID-19 pandemic	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.106028
	M. H. Mohd, et al.	Unraveling the Myths of R0 in Controlling the Dynamics of COVID-19 Outbreak: a Modelling Perspective	medRxiv	https://dx.doi.org/10.1101/2020.04.25.20079319

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New	Primo Autore	Titolo	Rivista	DOI
	M. Higazy	Novel fractional order SIDARTHE mathematical model of COVID-19 pandemic	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.110007
	M. Iosa, et al.	Covid-19: A Dynamic Analysis of Fatality Risk in Italy	Frontiers in medicine	https://dx.doi.org/https://dx.doi.org/10.3389/fmed.2020.00185
	M. Irvine, et al.	Modeling COVID-19 and Its Impacts on U.S. Immigration and Customs Enforcement (ICE) Detention Facilities, 2020	J Urban Health	https://dx.doi.org/10.1007/s11524-020-00441-x
	M. J. Miller, et al.	COVID-19 in Latin America: Novel transmission dynamics for a global pandemic?	PLoS Negl Trop Dis	https://dx.doi.org/10.1371/journal.pntd.0008265
New	M. Kapoor, et al.	Impact of national lockdown on COVID-19 deaths in select European countries and the US using a Changes-in-Changes model	Arxiv	http://arxiv.org/abs/2006.12251
New	M. Koehler, et al.	Modeling COVID-19 for lifting non-pharmaceutical interventions	medRxiv	https://dx.doi.org/10.1101/2020.07.02.20145052
	M. L. Childs, et al.	The impact of long-term non-pharmaceutical interventions on COVID-19 epidemic dynamics and control	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.03.20089078
	M. L. Eisenberg	Coronavirus disease 2019 and men's reproductive health	Fertility and sterility	https://dx.doi.org/https://dx.doi.org/10.1016/j.fertnstert.2020.04.039
	M. Liu, et al.	Modelling the evolution trajectory of COVID-19 in Wuhan, China: experience and suggestions	Public Health	https://dx.doi.org/10.1016/j.puhe.2020.05.001
	M. Lu	Dynamic Modeling COVID-19 for Comparing Containment Strategies in a Pandemic Scenario	Arxiv	http://arxiv.org/abs/2003.13997
	M. Lu, et al.	Dynamic Modeling COVID-19 for Comparing Containment Strategies in a Pandemic Scenario	ArXiv	http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=pem&NEWS=N&AN=32550241
New	M. M. Sajadi, et al.	Temperature, Humidity and Latitude Analysis to Predict Potential Spread and Seasonality for COVID-19	Ssrn	https://dx.doi.org/10.2139/ssrn.3550308
	M. Makhoul, et al.	Epidemiological impact of SARS-CoV-2 vaccination: mathematical modeling analyses	medRxiv	https://dx.doi.org/10.1101/2020.04.19.20070805
	M. Matabuena, et al.	COVID-19: Estimating spread in Spain solving an inverse problem with a probabilistic model	Arxiv	http://arxiv.org/abs/2004.13695
New	M. Myrstad, et al.	National Early Warning Score 2 (NEWS2) on admission predicts severe disease and in-hospital mortality from Covid-19 - a prospective cohort study	Scand J Trauma Resusc Emerg Med	https://dx.doi.org/10.1186/s13049-020-00764-3
New	M. Myrstad, et al.	National Early Warning Score 2 (NEWS2) on admission predicts severe disease and in-hospital mortality from Covid-19 - a prospective cohort study	Scand J Trauma Resusc Emerg Med	https://dx.doi.org/10.1186/s13049-020-00764-3
	M. Neil, et al.	Bayesian Network Analysis of Covid-19 data reveals higher Infection Prevalence Rates and lower Fatality Rates than widely reported	medRxiv	https://dx.doi.org/10.1101/2020.05.25.20112466
	M. P. Belfiore, et al.	Artificial intelligence to codify lung CT in Covid-19 patients	Radiol Med	https://dx.doi.org/10.1007/s11547-020-01195-x
	M. Paggi	Simulation of Covid-19 epidemic evolution: are compartmental models really predictive?	Arxiv	http://arxiv.org/abs/2004.08207

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New	Primo Autore	Titolo	Rivista	DOI
New	M. Paroli, et al.	Predicting SARS-CoV-2 infection trend using technical analysis indicators	Disaster Med Public Health Prep	https://dx.doi.org/10.1017/dmp.2020.254
	M. Peirlinck, et al.	Outbreak dynamics of COVID-19 in China and the United States	Biomechanics and modeling in mechanobiology	https://dx.doi.org/https://dx.doi.org/10.1007/s10237-020-01332-5
	M. Putra, et al.	Forecasting the impact of coronavirus disease during delivery hospitalization: an aid for resource utilization	American Journal of Obstetrics and Gynecology MFM	http://dx.doi.org/https://dx.doi.org/10.1016/j.ajogmf.2020.100127
	M. Qasim, et al.	Analysis of the Worldwide Corona Virus (COVID-19) Pandemic Trend:A Modelling Study to Predict Its Spread	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20048215
	M. Qasim, et al.	Data model to predict prevalence of COVID-19 in Pakistan	medRxiv	https://dx.doi.org/10.1101/2020.04.06.20055244
New	M. R. Barillari, et al.	A Structural Equation Model to Examine the Clinical Features of Mild-to-Moderate Covid-19: A Multicenter Italian Study	J Med Virol	https://dx.doi.org/10.1002/jmv.26354
	M. R. Bicher, et al.	Agent-Based Simulation for Evaluation of Contact-Tracing Policies Against the Spread of SARS-CoV-2	medRxiv	https://dx.doi.org/10.1101/2020.05.12.20098970
New	M. Renardy, et al.	Predicting the second wave of COVID-19 in Washtenaw County, MI	medRxiv	https://dx.doi.org/10.1101/2020.07.06.20147223
	M. Ritter, et al.	Covid-19 -- A simple statistical model for predicting ICU load in exponential phases of the disease	Arxiv	http://arxiv.org/abs/2004.03384
	M. Rui, et al.	A Sparse Gaussian Network Model for Prediction the Growth Trend of COVID-19 Overseas Import Case: When can Hong Kong Lift the International Traffic Blockad?	medRxiv	https://dx.doi.org/10.1101/2020.05.13.20099978
	M. S. Abdo, et al.	On a Comprehensive Model of the Novel Coronavirus (COVID-19) Under Mittag-Leffler Derivative	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109867
	M. S. Aronna, et al.	A model for COVID-19 with isolation, quarantine and testing as control measures	Arxiv	http://arxiv.org/abs/2005.07661
New	M. S. Nielsen, et al.	Safety, Simulation and Asymptomatic Testing: Navigating the Coronavirus Disease (COVID-19) Pandemic	J Dent Educ	https://dx.doi.org/10.1002/jdd.12332
	M. SOURIS, et al.	COVID-19: Spatial Analysis of Hospital Case-Fatality Rate in France	medRxiv	https://dx.doi.org/10.1101/2020.05.16.20104026
	M. Saberi, et al.	Accounting for underreporting in mathematical modelling of transmission and control of COVID-19 in Iran	medRxiv	https://dx.doi.org/10.1101/2020.05.02.20087270
New	M. Santos Cecconello, et al.	Using the infection fatality rate to predict the evolution of Covid-19 in Brazil	medRxiv	https://dx.doi.org/10.1101/2020.07.01.20144279
	M. Simsek, et al.	Artificial Intelligence-Empowered Mobilization of Assessments in COVID-19-like Pandemics: A Case Study for Early Flattening of the Curve	International journal of environmental research and public health	https://dx.doi.org/https://dx.doi.org/10.3390/ijerph17103437

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New	Primo Autore	Titolo	Rivista	DOI
	M. Stedman, et al.	COVID-19: Generate and apply local modelled Transmission and Morbidity effects to provide an estimate of the variation in overall Relative Healthcare Resource Impact at General Practice Granularity	Int J Clin Pract	https://dx.doi.org/10.1111/ijcp.13533
New	M. T. Meehan, et al.	Modelling insights into the COVID-19 pandemic	Paediatr Respir Rev	https://dx.doi.org/10.1016/j.prrv.2020.06.014
New	M. V. Carlino, et al.	Predictors of Intensive Care Unit admission in patients with coronavirus disease 2019 (COVID-19)	Monaldi Arch Chest Dis	https://dx.doi.org/10.4081/monaldi.2020.1410
New	M. V. Carlino, et al.	Predictors of Intensive Care Unit admission in patients with coronavirus disease 2019 (COVID-19)	Monaldi Arch Chest Dis	https://dx.doi.org/10.4081/monaldi.2020.1410
New	M. V. Krishna, et al.	Mathematical modelling on phase based transmissibility of Coronavirus	Infect Dis Model	https://dx.doi.org/10.1016/j.idm.2020.06.005
New	M. Vihinen	Strategy for Disease Diagnosis, Progression Prediction, Risk Group Stratification and Treatment-Case of COVID-19	Front Med (Lausanne)	https://dx.doi.org/10.3389/fmed.2020.00294
	M. Villalobos-Arias	Using generalized logistics regression to forecast population infected by Covid-19	Arxiv	http://arxiv.org/abs/2004.02406
New	M. Volff, et al.	No added value of the modified NEWS score to predict clinical deterioration in COVID-19 patients	Anaesthesia, critical care & pain medicine	https://dx.doi.org/https://dx.doi.org/10.1016/j.accpm.2020.07.008
	M. W. Kurz, et al.	Improving Stroke Care in Times of the COVID-19 Pandemic Through Simulation: Practice Your Protocols!	Stroke	https://dx.doi.org/10.1161/strokeaha.120.030091
	M. Wang, et al.	Modelling Covid-19 under uncertainty: what can we expect?	European Journal of Health Economics	http://dx.doi.org/https://dx.doi.org/10.1007/s10198-020-01202-y
	M. Yang, et al.	Study on the dynamic change law and correlation between CT imaging manifestations and cellular immunity of 2019 novel coronavirus disease	Jpn J Radiol	https://dx.doi.org/10.1007/s11604-020-00997-3
New	M. Zuo, et al.	Comparison of COVID-19 Pandemic Dynamics in Asian Countries with Statistical Modeling	Comput Math Methods Med	https://dx.doi.org/10.1155/2020/4296806
	N. Aguilar-Gallegos, et al.	Dataset on dynamics of Coronavirus on Twitter	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.105684
	N. Bartolomeo, et al.	Estimating the size of the COVID-19 outbreak in Italy: Application of an exponential decay model to the weighted and cumulative average daily growth rate	medRxiv	https://dx.doi.org/10.1101/2020.05.20.20108241
New	N. Blanco, et al.	Prospective Prediction of Future SARS-CoV-2 Infections Using Empirical Data on a National Level to Gauge Response Effectiveness	Arxiv	http://arxiv.org/abs/2007.02712
	N. Chintalapudi, et al.	COVID-19 outbreak reproduction number estimations and forecasting in Marche, Italy	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.05.029
	N. Chintalapudi, et al.	COVID-19 virus outbreak forecasting of registered and recovered cases after sixty day lockdown in Italy: A data driven model approach	J Microbiol Immunol Infect	https://dx.doi.org/10.1016/j.jmii.2020.04.004

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New	Primo Autore	Titolo	Rivista	DOI
New	N. G. C. Bizet, et al.	Time-dependent and time-independent SIR models applied to the COVID-19 outbreak in Argentina, Brazil, Colombia, Mexico and South Africa	Arxiv	http://arxiv.org/abs/2006.12479
	N. G. Davies, et al.	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study	Lancet Public Health	https://dx.doi.org/10.1016/s2468-2667(20)30133-x
	N. Ghaffarzadegan, et al.	Simulation-based Estimation of the Spread of COVID-19 in Iran	medRxiv	https://dx.doi.org/10.1101/2020.03.22.20040956
New	N. Golding, et al.	Reconstructing the global dynamics of under-ascertained COVID-19 cases and infections	medRxiv	https://dx.doi.org/10.1101/2020.07.07.20148460
New	N. H. Ogden, et al.	Modelling scenarios of the epidemic of COVID-19 in Canada	Can Commun Dis Rep	https://dx.doi.org/10.14745/ccdr.v46i06a08
	N. Hanbali, et al.	A safe method to evacuate pneumoperitoneum during laparoscopic surgery in suspected COVID-19 patients	Ann R Coll Surg Engl	https://dx.doi.org/10.1308/rcsann.2020.0079
New	N. Hoertel, et al.	A stochastic agent-based model of the SARS-CoV-2 epidemic in France	Nat Med	https://dx.doi.org/10.1038/s41591-020-1001-6
	N. Hoertel, et al.	Facing the COVID-19 epidemic in NYC: a stochastic agent-based model of various intervention strategies	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076885
	N. Hoertel, et al.	Lockdown exit strategies and risk of a second epidemic peak: a stochastic agent-based model of SARS-CoV-2 epidemic in France	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086264
	N. L. Bragazzi, et al.	How Big Data and Artificial Intelligence Can Help Better Manage the COVID-19 Pandemic	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17093176
	N. Liu, et al.	Prevalence and predictors of PTSS during COVID-19 outbreak in China hardest-hit areas: Gender differences matter	Psychiatry Res	https://dx.doi.org/10.1016/j.psychres.2020.112921
	N. M. Yanev, et al.	Branching stochastic processes as models of Covid-19 epidemic development	Arxiv	http://arxiv.org/abs/2004.14838
	N. M. Yanev, et al.	Stochastic modeling and estimation of COVID-19 population dynamics	Arxiv	http://arxiv.org/abs/2004.00941
New	N. Martin, et al.	Modelling testing frequencies required for early detection of a SARS-CoV-2 outbreak on a university campus	medRxiv	https://dx.doi.org/10.1101/2020.06.01.20118885
	N. P. Jewell, et al.	Caution Warranted: Using the Institute for Health Metrics and Evaluation Model for Predicting the Course of the COVID-19 Pandemic	Ann Intern Med	https://dx.doi.org/10.7326/m20-1565
	N. P. Jewell, et al.	Predictive Mathematical Models of the COVID-19 Pandemic: Underlying Principles and Value of Projections	JAMA	https://dx.doi.org/10.1001/jama.2020.6585
	N. Picchiotti, et al.	COVID-19 pandemic: a mobility-dependent SEIR model with undetected cases in Italy, Europe and US	Arxiv	http://arxiv.org/abs/2005.08882
	N. Rossi, et al.	Describing the COVID-19 Outbreak - Fitting Modified SIR models to Data	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20084285

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New	Primo Autore	Titolo	Rivista	DOI
	N. S. Punn, et al.	COVID-19 Epidemic Analysis using Machine Learning and Deep Learning Algorithms	medRxiv	https://dx.doi.org/10.1101/2020.04.08.20057679
	N. Scafetta	Distribution of the SARS-CoV-2 Pandemic and Its Monthly Forecast Based on Seasonal Climate Patterns	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17103493
	N. Shao, et al.	Dynamic models for Coronavirus Disease 2019 and data analysis	Math Methods Appl Sci	https://dx.doi.org/10.1002/mma.6345
	N. Soares, et al.	SIRNet: Understanding Social Distancing Measures with Hybrid Neural Network Model for COVID-19 Infectious Spread	Arxiv	http://arxiv.org/abs/2004.10376
	N. Yudistira	COVID-19 growth prediction using multivariate long short term memory	Arxiv	http://arxiv.org/abs/2005.04809
	N. Zheng, et al.	Predicting COVID-19 in China Using Hybrid AI Model	IEEE transactions on cybernetics	https://dx.doi.org/https://dx.doi.org/10.1109/TCYB.2020.2990162
New	O. Alagoz, et al.	Impact of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the US: A Simulation Modeling Approach	medRxiv	https://dx.doi.org/10.1101/2020.06.07.20124859
	O. Bendtsen Cano, et al.	COVID-19 Modelling: the Effects of Social Distancing	medRxiv	https://dx.doi.org/10.1101/2020.03.29.20046870
	O. Dyer	Covid-19: Projections of mortality in the US rise as states open up	BMJ (Clinical research ed.)	https://dx.doi.org/https://dx.doi.org/10.1136/bmj.m1846
New	O. E. Ferraro, et al.	Official Data and Analytical Forecasts: Differences and Similarities Among Coronavirus Disease (COVID-19) Confirmed Cases and Deaths	Front Med (Lausanne)	https://dx.doi.org/10.3389/fmed.2020.00239
	O. Gencoglu, et al.	Causal Modeling of Twitter Activity During COVID-19	Arxiv	http://arxiv.org/abs/2005.07952
	O. Kounchev, et al.	The TVBG-SEIR spline model for analysis of COVID-19 spread, and a Tool for prediction scenarios	Arxiv	http://arxiv.org/abs/2004.11338
New	O. Krivorotko, et al.	Mathematical modeling and prediction of COVID-19 in Moscow city and Novosibirsk region	Arxiv	http://arxiv.org/abs/2006.12619
New	O. Morozova, et al.	A model for COVID-19 transmission in Connecticut	medRxiv : the preprint server for health sciences20200627	https://dx.doi.org/https://dx.doi.org/10.1101/2020.06.12.20126391
	O. P. Neto, et al.	COVID-19 mathematical model reopening scenarios for Sao Paulo - Brazil	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20081208
New	O. S. Albahri, et al.	Systematic review of artificial intelligence techniques in the detection and classification of COVID-19 medical images in terms of evaluation and benchmarking: Taxonomy analysis, challenges, future solutions and methodological aspects	Journal of infection and public health	https://dx.doi.org/https://dx.doi.org/10.1016/j.jiph.2020.06.028
	O. T. Muurlink, et al.	COVID-19: Cultural Predictors of Gender Differences in Global Prevalence Patterns	Frontiers in public health	https://dx.doi.org/https://dx.doi.org/10.3389/fpubh.2020.00174
	O. Y. Bello-Chavolla, et al.	Predicting mortality due to SARS-CoV-2: A mechanistic score relating obesity and diabetes to COVID-19 outcomes in Mexico	J Clin Endocrinol Metab	https://dx.doi.org/10.1210/clinem/dgaa346

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New	Primo Autore	Titolo	Rivista	DOI
New	P. Braun, et al.	COVID-19 pandemic predictions using the modified Bateman SIZ model and observational data for Heidelberg, Germany: Effect of vaccination with a SARS-CoV-2 vaccine, coronavirus testing and application of the Corona-Warn-App	International journal of clinical pharmacology and therapeutics	https://dx.doi.org/https://dx.doi.org/10.5414/CP203846
	S. Pernice	Undetected Cases of Covid-19 and Effects of Social Distancing Strategies: a Modeling Study in Piedmont Region	E&P Repository	https://repo.epiprev.it/index.php/2020/04/07/undetected-cases-of-covid-19-and-effects-of-social-distancing-strategies-a-modeling-study-in-piedmont-region/
	Simone Pernice	Impacts of Reopening Strategies for COVID-19 Epidemic: A Modeling Study in Piedmont Region - E&P Repository	E&P Repository	https://repo.epiprev.it/index.php/2020/05/22/impacts-of-reopening-strategies-for-covid-19-epidemic-a-modeling-study-in-piedmont-region/
	P. Christidis, et al.	The Predictive Capacity of Air Travel Patterns During the Global Spread of the COVID-19 Pandemic: Risk, Uncertainty and Randomness	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17103356
	P. Erika, et al.	Lactate dehydrogenase and C-reactive protein as predictors of respiratory failure in CoVID-19 patients: Clinica chimica acta	international journal of clinical chemistry	https://dx.doi.org/https://dx.doi.org/10.1016/j.cca.2020.06.012
	P. G. Kevrekidis, et al.	Spatial Modeling of COVID-19: Greece and Andalusia as Case Examples	Arxiv	http://arxiv.org/abs/2005.04527
	P. Ghosh, et al.	COVID-19 in India: State-wise Analysis and Prediction	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20077792
	P. Girardi, et al.	Robust inference for nonlinear regression models from the Tsallis score: application to Covid-19 contagion in Italy	Arxiv	http://arxiv.org/abs/2004.03187
	P. H. Lee	Estimating the real-time case fatality rate of COVID-19 using Poisson mixtures model	medRxiv	https://dx.doi.org/10.1101/2020.04.11.20062190
	P. H. P. Cintra, et al.	Mathematical Models for Describing and Predicting the COVID-19 Pandemic Crisis	Arxiv	http://arxiv.org/abs/2006.02507
New	P. J. Turk, et al.	Modeling COVID-19 Latent Prevalence to Assess a Public Health Intervention at a State and Regional Scale: Retrospective Cohort Study	JMIR Public Health Surveill	https://dx.doi.org/10.2196/19353
	P. J. Turk, et al.	Modeling COVID-19 latent prevalence to assess a public health intervention at a state and regional scale	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/19353
	P. K. Mishra, et al.	A deductive approach to modeling the spread of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.03.26.20044651
New	P. Karnakov, et al.	Data-driven inference of the reproduction number for COVID-19 before and after interventions for 51 European countries	Swiss Med Wkly	https://dx.doi.org/10.4414/smw.2020.20313
	P. Kumar, et al.	Forecasting the dynamics of COVID-19 Pandemic in Top 15 countries in April 2020 through ARIMA Model with Machine Learning Approach	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20046227

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New	Primo Autore	Titolo	Rivista	DOI
New	P. M. Bossuyt	Testing COVID-19 tests faces methodological challenges	J Clin Epidemiol	https://dx.doi.org/10.1016/j.jclinepi.2020.06.037
	P. M. De Salazar, et al.	Identifying Locations with Possible Undetected Imported Severe Acute Respiratory Syndrome Coronavirus 2 Cases by Using Importation Predictions	Emerg Infect Dis	https://dx.doi.org/10.3201/eid2607.200250
	P. M. De Salazar, et al.	Using predicted imports of 2019-nCoV cases to determine locations that may not be identifying all imported cases	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.02.04.20020495
	P. Maheshwari, et al.	Network model and analysis of the spread of Covid-19 with social distancing	Arxiv	--
New	P. Nadella, et al.	Forecasting efforts from prior epidemics and COVID-19 predictions	Eur J Epidemiol	https://dx.doi.org/10.1007/s10654-020-00661-0
New	P. Novosad, et al.	The COVID-19 mortality effects of underlying health conditions in India: a modelling study	medRxiv	https://dx.doi.org/10.1101/2020.07.05.20140343
New	P. R. Zingano, et al.	A matlab code to compute reproduction numbers with applications to the Covid-19 outbreak	Arxiv	http://arxiv.org/abs/2006.13752
New	P. S. Peixoto, et al.	Modeling future spread of infections via mobile geolocation data and population dynamics. An application to COVID-19 in Brazil	PLoS One	https://dx.doi.org/10.1371/journal.pone.0235732
New	P. S. Peixoto, et al.	Modeling future spread of infections via mobile geolocation data and population dynamics. An application to COVID-19 in Brazil	PLoS One	https://dx.doi.org/10.1371/journal.pone.0235732
New	P. Sanchez-Villegas, et al.	[Predictive models of the COVID-19 epidemic in Spain with Gompertz curves]	Gac Sanit	https://dx.doi.org/10.1016/j.gaceta.2020.05.005
	P. Shi, et al.	Impact of temperature on the dynamics of the COVID-19 outbreak in China	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.138890
	P. Sookaromdee, et al.	Imported cases of 2019-novel coronavirus (2019-nCoV) infections in Thailand: Mathematical modelling of the outbreak	Asian Pacific Journal of Tropical Medicine	http://dx.doi.org/https://dx.doi.org/10.4103/1995-7645.277516
	P. Teles	A time-dependent SEIR model to analyse the evolution of the SARS-CoV-2 epidemic outbreak in Portugal	Arxiv	http://arxiv.org/abs/2004.04735
	P. Teles	A time-dependent SEIR model to analyse the evolution of the SARS-covid-2 epidemic outbreak in Portugal	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-258392.pdf
	P. Teles	Predicting the evolution Of SARS-Covid-2 in Portugal using an adapted SIR Model previously used in South Korea for the MERS outbreak	Arxiv	http://arxiv.org/abs/2003.10047
	Q. Cao, et al.	SARS-CoV-2 infection in children: Transmission dynamics and clinical characteristics	Journal of the Formosan Medical Association	http://dx.doi.org/https://dx.doi.org/10.1016/j.jfma.2020.02.009
	Q. Cui, et al.	Dynamic variations of the COVID-19 disease at different quarantine strategies in Wuhan and mainland China	J Infect Public Health	https://dx.doi.org/10.1016/j.jiph.2020.05.014
	Q. Ge, et al.	A Noel Intervention Recurrent autoencoder for real time forecasting and non-pharmaceutical intervention selection to curb the spread of Covid-19 in the world	medRxiv	https://dx.doi.org/10.1101/2020.05.05.20091827

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New	Primo Autore	Titolo	Rivista	DOI
	Q. Huang, et al.	An Evaluation Model of COVID-19 Spread Control and Prevention: Effectiveness Analysis Based on Immigration Population Data in China	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/18638
	Q. Li, et al.	Modeling the impact of mass influenza vaccination and public health interventions on COVID-19 epidemics with limited detection capability	Mathematical biosciences	https://dx.doi.org/https://dx.doi.org/10.1016/j.mbs.2020.108378
	Q. Li, et al.	Trend and forecasting of the COVID-19 outbreak in China	Journal of Infection	http://dx.doi.org/https://dx.doi.org/10.1016/j.jinf.2020.02.014
	Q. Lin, et al.	A conceptual model for the coronavirus disease 2019 (COVID-19) outbreak in Wuhan, China with individual reaction and governmental action	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.02.058
	Q. Lin, et al.	A conceptual model for the outbreak of Coronavirus disease 2019 (COVID-19) in Wuhan, China with individual reaction and governmental action	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.02.058
	Q. Liu, et al.	Health Communication Through News Media During the Early Stage of the COVID-19 Outbreak in China: A Digital Topic Modeling Approach	J Med Internet Res	https://dx.doi.org/10.2196/19118
	Q. Wang, et al.	Survival-Convolution Models for Predicting COVID-19 Cases and Assessing Effects of Mitigation Strategies	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.04.16.20067306
New	Q. Yang, et al.	Research on COVID-19 based on ARIMA model(Delta) Taking Hubei, China as an example to see the epidemic in Italy	J Infect Public Health	https://dx.doi.org/10.1016/j.jiph.2020.06.019
New	R. A. Borracci, et al.	Forecasting the effect of social distancing on COVID-19 autumn-winter outbreak in the metropolitan area of Buenos Aires	Estimacion del efecto del distanciamiento social sobre la epidemia de COVID-19 de otono-invierno en el area metropolitana de Buenos Aires.	--
	R. An	Projecting the impact of COVID-19 pandemic on childhood obesity in the U.S.: A microsimulation model	J Sport Health Sci	https://dx.doi.org/10.1016/j.jshs.2020.05.006
	R. An	Projecting the impact of the coronavirus disease-19 pandemic on childhood obesity in the United States: A microsimulation model	Journal of sport and health science	https://dx.doi.org/https://dx.doi.org/10.1016/j.jshs.2020.05.006
New	R. B. Duffey, et al.	CoVid-19 Pandemic Trend Modeling and Analysis to Support Resilience Decision-Making	Biology	https://dx.doi.org/https://dx.doi.org/10.3390/biology9070156
	R. B. Duffey, et al.	Prediction of CoVid-19 infection, transmission and recovery rates: A new analysis and global societal comparisons	Saf Sci	https://dx.doi.org/10.1016/j.ssci.2020.104854
	R. Baker	Reactive Social distancing in a SIR model of epidemics such as COVID-19	--	https://arxiv.org/abs/2003.08285
	R. Banerjee, et al.	Exponential-growth prediction bias and compliance with safety measures in the times of COVID-19	Arxiv	http://arxiv.org/abs/2005.01273
New	R. Bao, et al.	PECAIQR: A Model for Infectious Disease Applied to the Covid-19 Epidemic	Arxiv	http://arxiv.org/abs/2006.13693

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New	Primo Autore	Titolo	Rivista	DOI
	R. Benedetti, et al.	The identification of spatially constrained homogeneous clusters of Covid-19 transmission	Arxiv	http://arxiv.org/abs/2006.03360
	R. Bhardwaj	A Predictive Model for the Evolution of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.13.20063271
New	R. Bouffanais, et al.	Cities - try to predict superspreading hotspots for COVID-19	Nature	https://dx.doi.org/10.1038/d41586-020-02072-3
	R. Bowyer, et al.	Geo-social gradients in predicted COVID-19 prevalence and severity in Great Britain: results from 2,266,235 users of the COVID-19 Symptoms Tracker app	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076521
	R. Buizza	Probabilistic prediction of COVID-19 infections for China and Italy, using an ensemble of stochastically-perturbed logistic curves	Arxiv	http://arxiv.org/abs/2003.06418
New	R. C. Carlos, et al.	The Coronavirus Disease 2019 (COVID-19) Pandemic: A Patient-Centered Model of Systemic Shock and Cancer Care Adherence	J Am Coll Radiol	https://dx.doi.org/10.1016/j.jacr.2020.05.032
	R. Cherniha, et al.	A mathematical model for the coronavirus COVID-19 outbreak	Arxiv	http://arxiv.org/abs/2004.01487
	R. Chowdhury, et al.	Dynamic interventions to control COVID-19 pandemic: a multivariate prediction modelling study comparing 16 worldwide countries	Eur J Epidemiol	https://dx.doi.org/10.1007/s10654-020-00649-w
	R. Dandekar, et al.	Quantifying the effect of quarantine control in Covid-19 infectious spread using machine learning	medRxiv	https://dx.doi.org/10.1101/2020.04.03.20052084
	R. Fronza, et al.	Spatial-Temporal Variations in Atmospheric Factors Contribute to SARS-CoV-2 Outbreak	Viruses	https://dx.doi.org/10.3390/v12060588
	R. Fronza, et al.	Spatial-temporal variations of atmospheric factors contribute to SARS-CoV-2 outbreak	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20080846
	R. Gupta, et al.	SEIR and Regression Model based COVID-19 outbreak predictions in India	medRxiv	https://dx.doi.org/10.1101/2020.04.01.20049825
	R. Gutierrez-Aguilar, et al.	[Model for a threshold of daily rate reduction of COVID-19 cases to avoid hospital collapse in Chile]	Medwave	https://dx.doi.org/10.5867/medwave.2020.03.7871
	R. H. Du, et al.	Predictors of Mortality for Patients with COVID-19 Pneumonia Caused by SARS-CoV-2: A Prospective Cohort Study	Eur Respir J	https://dx.doi.org/10.1183/13993003.00524-2020
	R. H. L. Pedrosa	The dynamics of Covid-19: weather, demographics and infection timeline	medRxiv	https://dx.doi.org/10.1101/2020.04.21.20074450
	R. Huang, et al.	Spatial-temporal distribution of COVID-19 in China and its prediction: A data-driven modeling analysis	J Infect Dev Ctries	https://dx.doi.org/10.3855/jidc.12585
	R. Joosten, et al.	A simulation-based procedure to estimate base rates from Covid-19 antibody test results I: Deterministic test reliabilities	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20075036
	R. K. Singh, et al.	Prediction of the COVID-19 Pandemic for the Top 15 Affected Countries: Advanced Autoregressive Integrated Moving Average (ARIMA) Model	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/19115

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	R. K. Singh, et al.	The Prediction of COVID-19 Pandemic for top-15 Affected Countries using advance ARIMA model	JMIR Public Health Surveill	https://dx.doi.org/10.2196/19115
	R. M. Arias Velasquez, et al.	Forecast and evaluation of COVID-19 spreading in USA with reduced-space Gaussian process regression	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109924
New	R. M. Carrillo-Larco, et al.	Using country-level variables to classify countries according to the number of confirmed COVID-19 cases: An unsupervised machine learning approach	Wellcome open research20200627	https://dx.doi.org/https://dx.doi.org/10.12688/wellcomeopenres.15819.3
	R. M. Colombo, et al.	An Age and Space Structured SIR Model Describing the Covid-19 Pandemic	medRxiv	https://dx.doi.org/10.1101/2020.05.15.20103317
	R. M. R. Tan, et al.	Dynamic adaptation to COVID-19 in a Singapore paediatric emergency department	Emerg Med J	https://dx.doi.org/10.1136/emered-2020-209634
New	R. M. Wood, et al.	COVID-19 scenario modelling for the mitigation of capacity-dependent deaths in intensive care	Health care management science	https://dx.doi.org/https://dx.doi.org/10.1007/s10729-020-09511-7
	R. Marsland, et al.	Data-driven modeling reveals a universal dynamic underlying the COVID-19 pandemic under social distancing	Arxiv	http://arxiv.org/abs/2004.10666
	R. Mbuva, et al.	Bayesian Inference of COVID-19 Spreading Rates in South Africa	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083873
	R. Megna	First month of the epidemic caused by COVID-19 in Italy: current status and real-time outbreak development forecast	medRxiv	https://dx.doi.org/10.1101/2020.03.26.20044628
	R. N. Binny, et al.	Effect of Alert Level 4 on effective reproduction number: review of international COVID-19 cases	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086934
New	R. N. Thompson, et al.	Key Questions for Modelling COVID-19 Exit Strategies	Arxiv	https://arxiv.org/abs/2006.13012
	R. Ransing, et al.	Potential role of artificial intelligence to address the COVID-19 outbreak-related mental health issues in India	Psychiatry research	https://dx.doi.org/https://dx.doi.org/10.1016/j.psychres.2020.113176
	R. S. Abhari, et al.	COVID-19 Epidemic in Switzerland: Growth Prediction and Containment Strategy Using Artificial Intelligence and Big Data	medRxiv	https://dx.doi.org/10.1101/2020.03.30.20047472
	R. S. Harbert, et al.	Spatial modeling cannot currently differentiate SARS-CoV-2 coronavirus and human distributions on the basis of climate in the United States	medRxiv	https://dx.doi.org/10.1101/2020.04.08.20057281
	R. Salgotra, et al.	Time Series Analysis and Forecast of the COVID-19 Pandemic in India using Genetic Programming	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109945
	R. Schaback	On COVID-19 Modelling	Arxiv	http://arxiv.org/abs/2005.07004
	R. Schlickeiser, et al.	A Gaussian model for the time development of the Sars-Cov-2 corona pandemic disease. Predictions for Germany made on March 30, 2020	medRxiv	https://dx.doi.org/10.1101/2020.03.31.20048942

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New	Primo Autore	Titolo	Rivista	DOI
New	R. Vaishya, et al.	Artificial Intelligence (AI) applications for COVID-19 pandemic	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.04.012
	R. Verity, et al.	Estimates of the severity of coronavirus disease 2019: a model-based analysis	Lancet Infect Dis	https://dx.doi.org/10.1016/s1473-3099(20)30243-7
	R. Vollmer	Understanding the Dynamics of COVID-19	Am J Clin Pathol	https://dx.doi.org/10.1093/aicp/aqaa060
	R. YAFIA	Modeling and Dynamics in Epidemiology, COVID19 with Lockdown and Isolation Effect : Application to Moroccan Case	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20084871
	S. A. Pedro, et al.	Conditions for a second wave of COVID-19 due to interactions between disease dynamics and social processes	medRxiv	https://dx.doi.org/10.1101/2020.05.22.20110502
	S. A. Sarkodie, et al.	Investigating the cases of novel coronavirus disease (COVID-19) in China using dynamic statistical techniques	Heliyon	https://dx.doi.org/10.1016/j.heliyon.2020.e03747
	S. Basu	Modelling to Predict Hospital Bed Requirements for Covid-19 Patients in California	medRxiv	https://dx.doi.org/10.1101/2020.05.17.20104919
	S. Ben Miled, et al.	Simulations of the spread of COVID-19 and control policies in Tunisia	medRxiv	https://dx.doi.org/10.1101/2020.05.02.20088492
New	S. Bentout, et al.	Parameter estimation and prediction for coronavirus disease outbreak 2019 (COVID-19) in Algeria	AIMS Public Health	https://dx.doi.org/10.3934/publichealth.2020026
	S. C. Choi, et al.	Estimating the reproductive number and the outbreak size of Novel Coronavirus disease (COVID-19) using mathematical model in Republic of Korea	Epidemiology and health	https://dx.doi.org/https://dx.doi.org/10.4178/epih.e2020011
New	S. Cantürk, et al.	Machine-Learning Driven Drug Repurposing for COVID-19	Arxiv	http://arxiv.org/abs/2006.14707
	S. Celik, et al.	MODELLING OF COVID-19 OUTBREAK INDICATORS IN CHINA BETWEEN JANUARY AND APRIL	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20080465
New	S. Chaudhuri, et al.	Modeling the role of respiratory droplets in Covid-19 type pandemics	Phys Fluids (1994)	https://dx.doi.org/10.1063/5.0015984
	S. Choi, et al.	Estimating the reproductive number and the outbreak size of COVID-19 in Korea	Epidemiology and health	https://dx.doi.org/https://dx.doi.org/10.4178/epih.e2020011
	S. Contreras, et al.	A multi-group SEIRA model for the spread of COVID-19 among heterogeneous populations	Arxiv	http://arxiv.org/abs/2004.13452
	S. Contreras, et al.	Statistically-based methodology for revealing real contagion trends and correcting delay-induced errors in the assessment of COVID-19 pandemic	Arxiv	http://arxiv.org/abs/2005.12376
	S. Dana, et al.	Brazilian Modeling of COVID-19 (BRAM-COD): a Bayesian Monte Carlo approach for COVID-19 spread in a limited data set context	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20081174
	S. Dananjayan, et al.	Artificial Intelligence during a pandemic: The COVID-19 example	Int J Health Plann Manage	https://dx.doi.org/10.1002/hpm.2987

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New	Primo Autore	Titolo	Rivista	DOI
	S. Deb, et al.	A time series method to analyze incidence pattern and estimate reproduction number of COVID-19	Arxiv	http://arxiv.org/abs/2003.10655
New	S. Debnath, et al.	Machine learning to assist clinical decision-making during the COVID-19 pandemic	Bioelectronic medicine	https://dx.doi.org/https://dx.doi.org/10.1186/s42234-020-00050-8
	S. E. Eikenberry, et al.	To mask or not to mask: Modeling the potential for face mask use by the general public to curtail the COVID-19 pandemic	Infectious Disease Modelling	https://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.04.001
	S. Gaubert, et al.	Forecasting the local progression of the Covid-19 epidemic from medical emergency calls: the example of the Paris area	Arxiv	http://arxiv.org/abs/2005.14186
	S. Ghamizi, et al.	Data-driven Simulation and Optimization for Covid-19 Exit Strategies	Arxiv	--
	S. Ghosal, et al.	Estimation of effects of nationwide lockdown for containing coronavirus infection on worsening of glycosylated haemoglobin and increase in diabetes-related complications: A simulation model using multivariate regression analysis	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.03.014
New	S. Ghosal, et al.	Linear Regression Analysis to predict the number of deaths in India due to SARS-CoV-2 at 6 weeks from day 0 (100 cases - March 14th 2020)	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.03.017
	S. Ghosal, et al.	Prediction of the number of deaths in India due to SARS-CoV-2 at 5-6 weeks	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.03.017
	S. Ghosh	Predictive Model with Analysis of the Initial Spread of COVID-19 in India	medRxiv	https://dx.doi.org/10.1101/2020.05.02.20088997
New	S. Ghosh, et al.	Computational model on COVID-19 Pandemic using Probabilistic Cellular Automata	Arxiv	http://arxiv.org/abs/2006.11270
	S. Gilmour, et al.	A Bayesian estimate of the underreporting rate for COVID-19 based on the experience of the <i>Diamond Princess</i> cruise ship	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-254565.pdf
	S. Gupta, et al.	Effect of weather on COVID-19 spread in the US: A prediction model for India in 2020	The Science of the total environment	https://dx.doi.org/https://dx.doi.org/10.1016/j.scitotenv.2020.138860
	S. H. A. Khoshnaw, et al.	A quantitative and qualitative analysis of the COVID-19 pandemic model	Chaos, solitons, and fractals	https://dx.doi.org/https://dx.doi.org/10.1016/j.chaos.2020.109932
New	S. H. Ali, et al.	Social media as a recruitment platform for a nationwide online survey of COVID-19 knowledge, beliefs, and practices in the United States: methodology and feasibility analysis	BMC medical research methodology	https://dx.doi.org/https://dx.doi.org/10.1186/s12874-020-01011-0
	S. Hidaka, et al.	Predicting Long-term Evolution of COVID-19 by Ongoing Data using Bayesian Susceptible-Infected-Removed Model	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20094953
	S. Hooli, et al.	Generalizability of COVID-19 Clinical Prediction Models	Clin Infect Dis	https://dx.doi.org/10.1093/cid/ciaa417

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New	Primo Autore	Titolo	Rivista	DOI
	S. I. Alzahrani, et al.	Forecasting the spread of the COVID-19 pandemic in Saudi Arabia using ARIMA prediction model under current public health interventions	J Infect Public Health	https://dx.doi.org/10.1016/j.jiph.2020.06.001
	S. J. Beckett, et al.	Spread of COVID-19 through Georgia, USA. Near-term projections and impacts of social distancing via a metapopulation model	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.05.28.20115642
	S. J. Fong, et al.	Composite Monte Carlo decision making under high uncertainty of novel coronavirus epidemic using hybridized deep learning and fuzzy rule induction	Appl Soft Comput	https://dx.doi.org/10.1016/j.asoc.2020.106282
	S. J. Fong, et al.	Finding an Accurate Early Forecasting Model from Small Dataset: A Case of 2019-nCoV Novel Coronavirus Outbreak	Arxiv	https://dx.doi.org/10.9781/ijimai.2020.02.002
	S. K. Chandra, et al.	Mathematical Model with Social Distancing Parameter for Early Estimation of COVID-19 Spread	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086611
	S. K. Poonia, et al.	Information Overload: A Method to Share Updates among Frontline Staff during the COVID-19 Pandemic	Otolaryngol Head Neck Surg	https://dx.doi.org/10.1177/0194599820922988
	S. Kaushal, et al.	Estimating Hidden Asymptomatics, Herd Immunity Threshold and Lockdown Effects using a COVID-19 Specific Model	Arxiv	http://arxiv.org/abs/2006.00045
New	S. Khajanchi, et al.	Forecasting the daily and cumulative number of cases for the COVID-19 pandemic in India	Arxiv	http://arxiv.org/abs/2006.14575
	S. Kharroubi	Modeling and predicting the spread of COVID-19 in Lebanon: A Bayesian perspective	medRxiv	https://dx.doi.org/10.1101/2020.04.29.20082263
	S. Kim, et al.	Prediction of COVID-19 transmission dynamics using a mathematical model considering behavior changes	Epidemiol Health	https://dx.doi.org/10.4178/epih.e2020026
	S. Kim, et al.	Prediction of COVID-19 transmission dynamics using a mathematical model considering behavior changes in Korea	Epidemiology and health	https://dx.doi.org/https://dx.doi.org/10.4178/epih.e2020026
	S. Kim, et al.	School Opening Delay Effect on Transmission Dynamics of Coronavirus Disease 2019 in Korea: Based on Mathematical Modeling and Simulation Study	J Korean Med Sci	https://dx.doi.org/10.3346/jkms.2020.35.e143
	S. L. Chang, et al.	Modelling transmission and control of the COVID-19 pandemic in Australia	Arxiv	http://arxiv.org/abs/2003.10218
	S. Lee, et al.	COVID-19 Pandemic Response Simulation: Impact of Non-pharmaceutical Interventions on Ending Lockdowns	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20080838
	S. Li, et al.	Preliminary Assessment of the COVID-19 Outbreak Using 3-Stage Model e-ISHR	J Shanghai Jiaotong Univ Sci	https://dx.doi.org/10.1007/s12204-020-2169-0
	S. M. Ayyoubzadeh, et al.	Predicting COVID-19 Incidence Through Analysis of Google Trends Data in Iran: Data Mining and Deep Learning Pilot Study	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/18828

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New	Primo Autore	Titolo	Rivista	DOI
	S. M. Ayyoubzadeh, et al.	Predicting COVID-19 incidence using Google Trends and data mining techniques: A pilot study in Iran	JMIR Public Health Surveill	https://dx.doi.org/10.2196/18828
	S. M. Iacus, et al.	Estimating and Projecting Air Passenger Traffic during the COVID-19 Coronavirus Outbreak and its Socio-Economic Impact	Safety science	https://dx.doi.org/https://dx.doi.org/10.1016/j.ssci.2020.104791
	S. M. Kassa, et al.	Analysis of the mitigation strategies for COVID-19: From mathematical modelling perspective	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109968
	S. M. Kissler, et al.	Projecting the transmission dynamics of SARS-CoV-2 through the postpandemic period	Science	https://dx.doi.org/10.1126/science.abb5793
	S. M. Moghadas, et al.	Projecting hospital utilization during the COVID-19 outbreaks in the United States	Proc Natl Acad Sci U S A	https://dx.doi.org/10.1073/pnas.2004064117
	S. M. Zandavi, et al.	Forecasting the Spread of Covid-19 Under Control Scenarios Using LSTM and Dynamic Behavioral Models	Arxiv	http://arxiv.org/abs/2005.12270
	S. MANOU-ABI, et al.	Analysis of the COVID-19 epidemic in french overseas department Mayotte based on a modified deterministic and stochastic SEIR model	medRxiv	https://dx.doi.org/10.1101/2020.04.15.20062752
New	S. Maltezos	Methodology for Modelling the new COVID-19 Pandemic Spread and Implementation to European Countries	Arxiv	http://arxiv.org/abs/2006.15385
	S. Mehrotra, et al.	A Model for Supply-Chain Decisions for Resource Sharing with an Application to Ventilator Allocation to Combat COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.02.20051078
New	S. Mohanty, et al.	Application of Artificial Intelligence in COVID-19 drug repurposing	Diabetes Metab Syndr	https://dx.doi.org/10.1016/j.dsx.2020.06.068
New	S. Mwalili, et al.	SEIR model for COVID-19 dynamics incorporating the environment and social distancing	BMC Res Notes	https://dx.doi.org/10.1186/s13104-020-05192-1
	S. O. Adler, et al.	Geospatially Referenced Demographic Agent-Based Modeling of SARS-CoV-2-Infection (COVID-19) Dynamics and Mitigation Effects in a Real-world Community	medRxiv	https://dx.doi.org/10.1101/2020.05.03.20089235
	S. O. Ilyin	COVID-19 spreading: a model	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076562
New	S. Plata, et al.	Simulating human interactions in supermarkets to measure the risk of COVID-19 contagion at scale	Arxiv	http://arxiv.org/abs/2006.15213
	S. Q. Du, et al.	Mathematical Modeling of Interaction between Innate and Adaptive Immune Responses in COVID-19 and Implications for Viral Pathogenesis	J Med Virol	https://dx.doi.org/10.1002/jmv.25866
	S. R. Pandi-Perumal, et al.	Dealing with a pandemic: the Kerala Model of containment strategy for COVID-19	Pathog Glob Health	https://dx.doi.org/10.1080/20477724.2020.1778392
New	S. R. Vadyala, et al.	Prediction of the Number of COVID-19 Confirmed Cases Based on K-Means-LSTM	Arxiv	http://arxiv.org/abs/2006.14752

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New	Primo Autore	Titolo	Rivista	DOI
	S. Rojas-Galeano, et al.	Simulation of Non-Pharmaceutical Interventions on COVID-19 with an Agent-based Model of Zonal Restraint	medRxiv	https://dx.doi.org/10.1101/2020.06.13.20130542
	S. Ryu, et al.	Transmission dynamics of coronavirus disease 2019 outside of Daegu-Gyeongsangbuk provincial region in South Korea	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20082750
	S. S. Hassan, et al.	On spatial molecular arrangements of SARS-CoV2 genomes of Indian patients	bioRxiv	https://dx.doi.org/10.1101/2020.05.01.071985
New	S. S. Musa, et al.	Estimation of exponential growth rate and basic reproduction number of the coronavirus disease 2019 (COVID-19) in Africa	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00718-y
	S. S. Nadim, et al.	Short-term predictions and prevention strategies for COVID-2019: A model based study	Arxiv	http://arxiv.org/abs/2003.08150
New	S. S. Singh, et al.	Predictive Analysis for COVID-19 Spread in India by Adaptive Compartmental Model	medRxiv	https://dx.doi.org/10.1101/2020.07.08.20148619
	S. Sanchez-Caballero, et al.	An Efficient COVID-19 Prediction Model Validated with the Cases of China, Italy and Spain: Total or Partial Lockdowns?	Journal of clinical medicine	https://dx.doi.org/https://dx.doi.org/10.3390/jcm9051547
	S. Shojaee, et al.	Predicting the mortality due to Covid-19 by the next month for Italy, Iran and South Korea:a simulation study	Gastroenterol Hepatol Bed Bench	--
	S. Sun, et al.	Prediction of 2019-nCov in Italy based on PSO and inversion analysis	medRxiv	https://dx.doi.org/10.1101/2020.05.08.20095869
	S. Tiwari, et al.	Outbreak trends of CoronaVirus (COVID-19) in India: A Prediction	Disaster Med Public Health Prep	https://dx.doi.org/10.1017/dmp.2020.115
New	S. Triambak, et al.	A random walk Monte Carlo simulation study of COVID-19-like infection spread	Arxiv	http://arxiv.org/abs/2006.12212
	S. Tuli, et al.	Predicting the Growth and Trend of COVID-19 Pandemic using Machine Learning and Cloud Computing	medRxiv	https://dx.doi.org/10.1101/2020.05.06.20091900
	S. Vaid, et al.	Risk of a second wave of Covid-19 infections: using artificial intelligence to investigate stringency of physical distancing policies in North America	Int Orthop	https://dx.doi.org/10.1007/s00264-020-04653-3
New	S. Vaid, et al.	Using Machine Learning to Estimate Unobserved COVID-19 Infections in North America	J Bone Joint Surg Am	https://dx.doi.org/10.2106/jbjs.20.00715
	S. Vaid, et al.	Using Machine Learning to Estimate Unobserved COVID-19 Infections in North America	The Journal of bone and joint surgery. American volume	https://dx.doi.org/https://dx.doi.org/10.2106/JBJS.20.00715
New	S. W. Doe, et al.	Adaptive County Level COVID-19 Forecast Models: Analysis and Improvement	Arxiv	http://arxiv.org/abs/2006.12617
	S. W. Hermanowicz	Simple model for Covid-19 epidemics - back-casting in China and forecasting in the US	medRxiv	https://dx.doi.org/10.1101/2020.03.31.20049486
New	S. W. Park, et al.	Reconciling early-outbreak estimates of the basic reproductive number and its uncertainty: framework and applications to the novel coronavirus (SARS-CoV-2) outbreak	J R Soc Interface	https://dx.doi.org/10.1098/rsif.2020.0144

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New	Primo Autore	Titolo	Rivista	DOI
	S. X. D. Tan, et al.	Real-Time Differential Epidemic Analysis and Prediction for COVID-19 Pandemic	Arxiv	http://arxiv.org/abs/2004.06888
	S. X. Zhang, et al.	Beyond predicting the number of infections: predicting who is likely to be COVID negative or positive	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086348
	S. X. Zhang, et al.	When the storm is the strongest: The health conditions and job satisfaction of Healthcare staff and their associated predictors during the epidemic peak of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.27.20082149
	S. Y. Tang, et al.	[Prediction modeling with data fusion and prevention strategy analysis for the COVID-19 outbreak]	Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi	https://dx.doi.org/https://dx.doi.org/10.3760/cma.j.cn112338-20200216-00107
New	S. Zhang, et al.	Development and validation of a risk factor-based system to predict short-term survival in adult hospitalized patients with COVID-19: a multicenter, retrospective, cohort study	Crit Care	https://dx.doi.org/10.1186/s13054-020-03123-x
	S. Zhao, et al.	Estimating the Unreported Number of Novel Coronavirus (2019-nCoV) Cases in China in the First Half of January 2020: A Data-Driven Modelling Analysis of the Early Outbreak	Journal of clinical medicine	https://dx.doi.org/https://dx.doi.org/10.3390/jcm9020388
	S. Zhao, et al.	Imitation dynamics in the mitigation of the novel coronavirus disease (COVID-19) outbreak in Wuhan, China from 2019 to 2020	Annals of translational medicine	https://dx.doi.org/https://dx.doi.org/10.21037/atm.2020.03.168
	S. Zhao, et al.	Preliminary estimation of the basic reproduction number of novel coronavirus (2019-nCoV) in China, from 2019 to 2020: A data-driven analysis in the early phase of the outbreak	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.01.050
	S. Zhao, et al.	Serial interval in determining the estimation of reproduction number of the novel coronavirus disease (COVID-19) during the early outbreak	Journal of travel medicine	https://dx.doi.org/https://dx.doi.org/10.1093/jtm/taaa033
New	S.-G. Moon, et al.	Time variant reproductive number of COVID-19 in Seoul, Korea	Epidemiology and health	https://dx.doi.org/https://dx.doi.org/10.4178/epih.e2020047
	S.-H. Chou, et al.	COVID-19 Utilization and Resource Visualization Engine (CURVE) to Forecast In-Hospital Resources	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087973
New	T. A. Biala, et al.	A fractional-order compartmental model for predicting the spread of the Covid-19 pandemic	Arxiv	http://arxiv.org/abs/2007.03913
	T. A. Pana, et al.	Number of International Arrivals Predicts Severity of the first Global Wave of the COVID-19 Pandemic	medRxiv	https://dx.doi.org/10.1101/2020.05.13.20100677
	T. Alberti, et al.	On the uncertainty of real-time predictions of epidemic growths: a COVID-19 case study for China and Italy	Arxiv	http://arxiv.org/abs/2004.10060
New	T. Benmarhnia	Linkages Between Air Pollution and the Health Burden from COVID-19: Methodological Challenges and Opportunities	Am J Epidemiol	https://dx.doi.org/10.1093/aje/kwaa148
	T. Carletti, et al.	COVID-19: The unreasonable effectiveness of simple models	Arxiv	http://arxiv.org/abs/2005.11085

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New	Primo Autore	Titolo	Rivista	DOI
	T. Chakraborty, et al.	Real-time forecasts and risk assessment of novel coronavirus (COVID-19) cases: A data-driven analysis	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109850
	T. Chaplin, et al.	Building the plane as you fly: Simulation during the COVID-19 pandemic	Cjem	https://dx.doi.org/10.1017/cem.2020.398
New	T. Donker, et al.	Navigating hospitals safely through the COVID-19 epidemic tide: predicting case load for adjusting bed capacity	medRxiv	https://dx.doi.org/10.1101/2020.07.02.20143206
	T. Goetz, et al.	COVID-19 Disease Dynamics in Germany: First Models and Parameter Identification	medRxiv	https://dx.doi.org/10.1101/2020.04.23.20076992
	T. Hao	Prediction of Coronavirus Disease (covid-19) Evolution in USA with the Model Based on the Eyring Rate Process Theory and Free Volume Concept	medRxiv	https://dx.doi.org/10.1101/2020.04.16.20068692
	T. Herold, et al.	Level of IL-6 predicts respiratory failure in hospitalized symptomatic COVID-19 patients	medRxiv	https://dx.doi.org/10.1101/2020.04.01.20047381
	T. Hossein Rashidi, et al.	Real-time time-series modelling for prediction of COVID-19 spread and intervention assessment	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078923
	T. Hotz, et al.	Monitoring the spread of COVID-19 by estimating reproduction numbers over time	Arxiv	http://arxiv.org/abs/2004.08557
	T. Hou, et al.	Social support and mental health among health care workers during Coronavirus Disease 2019 outbreak: A moderated mediation model	PLoS One	https://dx.doi.org/10.1371/journal.pone.0233831
	T. K. Jella, et al.	Geospatial Mapping of Orthopaedic Surgeons Age 60 and Over and Confirmed Cases of COVID-19	The Journal of bone and joint surgery. American volume	https://dx.doi.org/https://dx.doi.org/10.2106/JBJS.20.00577
	T. K. Tsang, et al.	Effect of changing case definitions for COVID-19 on the epidemic curve and transmission parameters in mainland China: a modelling study	Lancet Public Health	https://dx.doi.org/10.1016/s2468-2667(20)30089-x
New	T. Kim, et al.	Prediction Regions for Poisson and Over-Dispersed Poisson Regression Models with Applications to Forecasting Number of Deaths during the COVID-19 Pandemic	Arxiv	http://arxiv.org/abs/2007.02105
	T. Kuniya	Prediction of the Epidemic Peak of Coronavirus Disease in Japan, 2020	J Clin Med	https://dx.doi.org/10.3390/jcm9030789
	T. Larson, et al.	Modeling SARS-CoV-2 positivity using laboratory data: timing is everything	Clin Chem	https://dx.doi.org/10.1093/clinchem/hvaa108
	T. Lu, et al.	Internet Search Patterns Reveal Clinical Course of Disease Progression for COVID-19 and Predict Pandemic Spread in 32 Countries	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20087858
	T. M. Chen, et al.	A mathematical model for simulating the phase-based transmissibility of a novel coronavirus	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00640-3
	T. Mackey, et al.	Machine Learning to Detect Self-Reporting of Symptoms, Testing Access and Recovery Associated with COVID-19 on Twitter: A Retrospective Big-Data Infoveillance Study	JMIR public health and surveillance	https://dx.doi.org/https://dx.doi.org/10.2196/19509

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New	Primo Autore	Titolo	Rivista	DOI
New	T. P. Buzhdygan, et al.	The SARS-CoV-2 spike protein alters barrier function in 2D static and 3D microfluidic in vitro models of the human blood-brain barrier	bioRxiv : the preprint server for biology20200627	https://dx.doi.org/https://dx.doi.org/10.1101/2020.06.15.150912
	T. Piasecki, et al.	A new SEIR type model including quarantine effects and its application to analysis of Covid-19 pandemia in Poland in March-April 2020	Arxiv	http://arxiv.org/abs/2005.14532
	T. R. Breton	A Method to Identify the Missing COVID-19 Cases in the U.S. and Results for mid-April 2020	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083782
New	T. Russell, et al.	Reconstructing the global dynamics of unreported COVID-19 cases and infections CMMID Repository	London School of Hygiene and Tropical Medicine Report	https://cmmid.github.io/topics/covid19/Under-Reporting.html
	T. Sun, et al.	Estimating the Effects of Asymptomatic and Imported Patients on COVID-19 Epidemic Using Mathematical Modeling	J Med Virol	https://dx.doi.org/10.1002/jmv.25939
	T. T. Nguyen, et al.	Origin of Novel Coronavirus (COVID-19): A Computational Biology Study using Artificial Intelligence	bioRxiv	https://dx.doi.org/10.1101/2020.05.12.091397
	T. V. Inglesby	Public Health Measures and the Reproduction Number of SARS-CoV-2	Jama	https://dx.doi.org/10.1001/jama.2020.7878
	T. Yamada, et al.	Value of leukocytosis and elevated C-reactive protein in predicting severe coronavirus 2019 (COVID-19): A systematic review and meta-analysis	Clin Chim Acta	https://dx.doi.org/10.1016/j.cca.2020.06.008
	T. Yue, et al.	A new approach to modeling the fade-out threshold of coronavirus disease	Sci Bull (Beijing)	https://dx.doi.org/10.1016/j.scib.2020.04.016
	T. Zhou, et al.	Preliminary prediction of the basic reproduction number of the Wuhan novel coronavirus 2019-nCoV	J Evid Based Med	https://dx.doi.org/10.1111/jebm.12376
	T. Zhou, et al.	Semiparametric Bayesian Inference for the Transmission Dynamics of COVID-19 with a State-Space Model	Arxiv	http://arxiv.org/abs/2006.05581
	T. d. P. Oliveira, et al.	Global Short-Term Forecasting of Covid-19 Cases	Arxiv	http://arxiv.org/abs/2006.00111
	T. de-Camino-Beck	A modified SEIR Model with Confinement and Lockdown of COVID-19 for Costa Rica	medRxiv	https://dx.doi.org/10.1101/2020.05.19.20106492
	U. K. NGUEMDJO, et al.	Simulating the progression of the COVID-19 disease in Cameroon using SIR models	medRxiv	https://dx.doi.org/10.1101/2020.05.18.20105551
	U. Merle, et al.	Evaluation of the COVID-19 pandemic using an algorithm based on the Bateman function: Prediction of disease progression using observational data for the city of Heidelberg, Germany	Int J Clin Pharmacol Ther	https://dx.doi.org/10.5414/cp203824
	V. A. Osherovich, et al.	DOUBLE POWER LAW FOR COVID-19: PREDICTION OF NEW CASES AND DEATH RATES IN ITALY AND SPAIN	medRxiv	https://dx.doi.org/10.1101/2020.05.07.20094714
	V. C. Chandu	Time series forecasting of COVID-19 confirmed cases with ARIMA model in the South East Asian countries of India and Thailand: a comparative case study	medRxiv	https://dx.doi.org/10.1101/2020.05.16.20103895

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New	Primo Autore	Titolo	Rivista	DOI
	V. Chandra	Stochastic Compartmental Modelling of SARS-CoV-2 with Approximate Bayesian Computation	medRxiv	https://dx.doi.org/10.1101/2020.03.29.20046862
New	V. Chin, et al.	A Case Study in Model Failure? COVID-19 Daily Deaths and ICU Bed Utilisation Predictions in New York State	Arxiv	http://arxiv.org/abs/2006.15997
	V. E. Bowman, et al.	Uncertainty quantification for epidemiological forecasts of COVID-19 through combinations of model predictions	Arxiv	--
New	V. G. Fiore, et al.	Containment of future waves of COVID-19: simulating the impact of different policies and testing capacities for contact tracing, testing, and isolation	medRxiv	https://dx.doi.org/10.1101/2020.06.05.20123372
	V. Grimm, et al.	Extensions of the SEIR Model for the Analysis of Tailored Social Distancing and Tracing Approaches to Cope with COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078113
New	V. J. Clemente-Suarez, et al.	Dynamics of Population Immunity Due to the Herd Effect in the COVID-19 Pandemic	Vaccines	https://dx.doi.org/https://dx.doi.org/10.3390/vaccines8020236
	V. K. R. Chimmula, et al.	Time Series Forecasting of COVID-19 transmission in Canada Using LSTM Networks	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109864
	V. Lopez, et al.	The comparison of trends in Spain and the Nederland: a Dynamical compartment model of the transmission of Coronavirus	Arxiv	http://arxiv.org/abs/2004.09874
	V. N. Ojiambo, et al.	A Human-Pathogen SEIR-P Model for COVID-19 Outbreak under different intervention scenarios in Kenya	medRxiv	https://dx.doi.org/10.1101/2020.05.15.20102954
New	V. Paleri, et al.	Rapid implementation of an evidence-based remote triaging system for assessment of suspected referrals and patients with head and neck cancer on follow-up after treatment during the COVID-19 pandemic: Model for international collaboration	Head Neck	https://dx.doi.org/10.1002/hed.26219
	W. C. Roda, et al.	Why is it difficult to accurately predict the COVID-19 epidemic?	Infectious Disease Modelling	http://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.03.001
	W. Gao, et al.	Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique	Biology (Basel)	https://dx.doi.org/10.3390/biology9050107
	W. He, et al.	Estimation of the basic reproduction number, average incubation time, asymptomatic infection rate, and case fatality rate for COVID-19: Meta-analysis and sensitivity analysis	medRxiv	https://dx.doi.org/10.1101/2020.04.28.20083758
	W. Liang, et al.	Development and Validation of a Clinical Risk Score to Predict the Occurrence of Critical Illness in Hospitalized Patients With COVID-19	JAMA internal medicine	https://dx.doi.org/https://dx.doi.org/10.1001/jamainternmed.2020.2033
	W. N. Arifin, et al.	A Susceptible-Infected-Removed (SIR) model of COVID-19 epidemic trend in Malaysia under Movement Control Order (MCO) using a data fitting approach	medRxiv	https://dx.doi.org/10.1101/2020.05.01.20084384
	W. Pang	Public Health Policy: COVID-19 Epidemic and SEIR Model with Asymptomatic Viral Carriers	Arxiv	http://arxiv.org/abs/2004.06311

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New	Primo Autore	Titolo	Rivista	DOI
	W. S. Yeo, et al.	Cohort PCR Testing: A Strategic Method for Rapid SARS-CoV-2 Screening	Am J Clin Pathol	https://dx.doi.org/10.1093/ajcp/aqaa092
	W. W. Koczkodaj, et al.	1,000,000 cases of COVID-19 outside of China: The date predicted by a simple heuristic	Glob Epidemiol	https://dx.doi.org/10.1016/j.gloepi.2020.100023
	W. Yang, et al.	Rational evaluation of various epidemic models based on the COVID-19 data of China	--	https://arxiv.org/abs/2003.05666
	X. Bardina, et al.	A stochastic epidemic model of COVID-19 disease	Arxiv	http://arxiv.org/abs/2005.02859
	X. Duan, et al.	ARIMA modelling and forecasting of irregularly patterned COVID-19 outbreaks using Japanese and South Korean data	Data Brief	https://dx.doi.org/10.1016/j.dib.2020.105779
	X. Fu, et al.	Simulating and forecasting the cumulative confirmed cases of SARS-CoV-2 in China by Boltzmann function-based regression analyses	The Journal of infection	https://dx.doi.org/https://dx.doi.org/10.1016/j.jinf.2020.02.019
New	X. Hao, et al.	Reconstruction of the full transmission dynamics of COVID-19 in Wuhan	Nature	https://dx.doi.org/10.1038/s41586-020-2554-8
	X. He, et al.	Temporal dynamics in viral shedding and transmissibility of COVID-19	Nat Med	https://dx.doi.org/10.1038/s41591-020-0869-5
	X. Li, et al.	Transmission dynamics and evolutionary history of 2019-nCoV	J Med Virol	https://dx.doi.org/10.1002/jmv.25701
	X. Mei, et al.	Artificial intelligence for rapid identification of the coronavirus disease 2019 (COVID-19)	medRxiv	https://dx.doi.org/10.1101/2020.04.12.20062661
	X. Mei, et al.	Artificial intelligence-enabled rapid diagnosis of patients with COVID-19	Nat Med	https://dx.doi.org/10.1038/s41591-020-0931-3
	X. X. Pan, et al.	[Study on transmission dynamic of 15 clusters of coronavirus disease 2019 cases in Ningbo]	Zhonghua Liu Xing Bing Xue Za Zhi	https://dx.doi.org/10.3760/cma.j.cn112338-20200330-00466
	X. Yu	Impact of mitigating interventions and temperature on the instantaneous reproduction number in the COVID-19 epidemic among 30 US metropolitan areas	medRxiv	https://dx.doi.org/10.1101/2020.04.26.20081083
New	X. Yu, et al.	Distinctive trajectories of COVID-19 epidemic by age and gender: a retrospective modeling of the epidemic in South Korea	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.06.101
	X. Yuan, et al.	Trends and prediction in daily incidence and deaths of COVID-19 in the United States: a search-interest based model	medRxiv : the preprint server for health sciences	https://dx.doi.org/https://dx.doi.org/10.1101/2020.04.15.20064485
	X. Zhang, et al.	Predicting turning point, duration and attack rate of COVID-19 outbreaks in major Western countries	Chaos Solitons Fractals	https://dx.doi.org/10.1016/j.chaos.2020.109829
	X. Zhou, et al.	Modelling-based evaluation of the effect of quarantine control by the Chinese government in the coronavirus disease 2019 outbreak	Science China. Life sciences	https://dx.doi.org/https://dx.doi.org/10.1007/s11427-020-1717-9
	X.-Y. Zhang, et al.	Risk assessment and prediction of severe or critical illness of COVID-19 in the elderly	medRxiv	https://dx.doi.org/10.1101/2020.05.11.20094383
	Y. Alimohamadi, et al.	Estimate of the Basic Reproduction Number for COVID-19: A Systematic Review and Meta-analysis	J Prev Med Public Health	https://dx.doi.org/10.3961/jpmph.20.076

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New	Primo Autore	Titolo	Rivista	DOI
	Y. C. Ochoa, et al.	Effective Reproductive Number estimation for initial stage of COVID-19 pandemic in Latin American Countries	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.04.069
New	Y. Caicedo-Ochoa, et al.	Effective Reproductive Number estimation for initial stage of COVID-19 pandemic in Latin American Countries	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.04.069
	Y. Chen, et al.	A Time Delay Dynamic System with External Source for the Local Outbreak of 2019-nCoV	Arxiv	http://arxiv.org/abs/2002.02590
	Y. Chen, et al.	Modeling COVID-19 Growing Trends to Reveal the Differences in the Effectiveness of Non-Pharmaceutical Interventions among Countries in the World	medRxiv	https://dx.doi.org/10.1101/2020.04.22.20075846
	Y. Chen, et al.	Using Mobility for Electrical Load Forecasting During the COVID-19 Pandemic	Arxiv	--
	Y. Dong, et al.	A novel simple scoring model for predicting severity of patients with SARS-CoV-2 infection	Transbound Emerg Dis	https://dx.doi.org/10.1111/tbed.13651
New	Y. F. Lin, et al.	Spread and Impact of COVID-19 in China: A Systematic Review and Synthesis of Predictions From Transmission-Dynamic Models	Front Med (Lausanne)	https://dx.doi.org/10.3389/fmed.2020.00321
New	Y. F. Zhao, et al.	Prediction of the Number of Patients Infected with COVID-19 Based on Rolling Grey Verhulst Models	Int J Environ Res Public Health	https://dx.doi.org/10.3390/ijerph17124582
	Y. Fang, et al.	Transmission dynamics of the COVID-19 outbreak and effectiveness of government interventions: A data-driven analysis	Journal of medical virology	https://dx.doi.org/https://dx.doi.org/10.1002/jmv.25750
	Y. Gao, et al.	Forecasting the Cumulative Number of COVID-19 Deaths in China: a Boltzmann Function-based Modeling Study	Infect Control Hosp Epidemiol	https://dx.doi.org/10.1017/ice.2020.101
	Y. Guo, et al.	A dynamic residential community-based quarantine strategy: China's experience in fighting against COVID-19	Infect Control Hosp Epidemiol	https://dx.doi.org/10.1017/ice.2020.172
	Y. H. Lin, et al.	wash hands predict the speed of national spread of COVID-19 outbreak among 21 countries	Brain Behav Immun	https://dx.doi.org/10.1016/j.bbi.2020.04.020
	Y. Hong, et al.	Clinical characteristics of Coronavirus Disease 2019 and development of a prediction model for prolonged hospital length of stay	Annals of translational medicine	https://dx.doi.org/https://dx.doi.org/10.21037/atm.2020.03.147
New	Y. Li, et al.	Basic reproduction number and predicted trends of coronavirus disease 2019 epidemic in the mainland of China	Infect Dis Poverty	https://dx.doi.org/10.1186/s40249-020-00704-4
	Y. Liu, et al.	A stochastic SIR epidemic model with Levy jump and media coverage	Adv Differ Equ	https://dx.doi.org/10.1186/s13662-020-2521-6
	Y. Liu, et al.	Aerodynamic analysis of SARS-CoV-2 in two Wuhan hospitals	Nature	https://dx.doi.org/10.1038/s41586-020-2271-3
New	Y. Liu, et al.	The contribution of pre-symptomatic infection to the transmission dynamics of COVID-2019	Wellcome Open Res	https://dx.doi.org/10.12688/wellcomeopenres.15788.1
	Y. Liu, et al.	The reproductive number of COVID-19 is higher compared to SARS coronavirus	J Travel Med	https://dx.doi.org/10.1093/jtm/taaa021

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New	Primo Autore	Titolo	Rivista	DOI
	Y. Liu, et al.	Viral dynamics in mild and severe cases of COVID-19	The Lancet. Infectious diseases	https://dx.doi.org/https://dx.doi.org/10.1016/S1473-3099(20)30232-2
	Y. Mammeri	A reaction-diffusion system to better comprehend the unlockdown: Application of SEIR-type model with diffusion to the spatial spread of COVID-19 in France	Arxiv	http://arxiv.org/abs/2005.03499
	Y. Pollak, et al.	Predictors of adherence to public health instructions during the COVID-19 pandemic	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20076620
	Y. Sun, et al.	The effect of non-pharmaceutical interventions (NPIs) on the spread of COVID-19 pandemic in Japan: A modeling study	medRxiv	https://dx.doi.org/10.1101/2020.05.22.20109660
	Y. Vashi, et al.	Understanding the B and T cell epitopes of spike protein of severe acute respiratory syndrome coronavirus-2: A computational way to predict the immunogens	Infect Genet Evol	https://dx.doi.org/10.1016/j.meegid.2020.104382
	Y. Wang, et al.	[Estimating the basic reproduction number of COVID-19 in Wuhan, China]	Zhonghua Liu Xing Bing Xue Za Zhi	https://dx.doi.org/10.3760/cma.j.cn112338-20200210-00086
	Y. Xiong, et al.	Spatial Statistics and Influencing Factors of the COVID-19 Epidemic at Both Prefecture and County Levels in Hubei Province, China	International journal of environmental research and public health	https://dx.doi.org/https://dx.doi.org/10.3390/ijerph17113903
	Y. Y. Wei, et al.	[Fitting and forecasting the trend of COVID-19 by SEIR(+ CAQ) dynamic model]	Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi	https://dx.doi.org/https://dx.doi.org/10.3760/cma.j.cn112338-20200216-00106
	Y. Y. Yeo, et al.	A Computational Model for Estimating the Progression of COVID-19 Cases in the US West and East Coasts	medRxiv	https://dx.doi.org/10.1101/2020.03.24.20043026
	Y. Yamagata	Bayesian modeling of COVID-19 epidemic: Japanese case	Arxiv	http://arxiv.org/abs/2005.02766
	Y. Yang, et al.	Coronavirus pandemic and tourism: Dynamic stochastic general equilibrium modeling of infectious disease outbreak	Ann Tour Res	https://dx.doi.org/10.1016/j.annals.2020.102913
	Y. Yao, et al.	Spatial Correlation of Particulate Matter Pollution and Death Rate of COVID-19	medRxiv	https://dx.doi.org/10.1101/2020.04.07.20052142
	Y. Zhang, et al.	COVID-19 infection and recovery in various countries: Modeling the dynamics and evaluating the non-pharmaceutical mitigation scenarios	Arxiv	http://arxiv.org/abs/2003.13901
	Y. Zhao, et al.	Forecasting of COVID-19: Transmission models and beyond	Journal of Thoracic Disease	http://dx.doi.org/https://dx.doi.org/10.21037/jtd-20-1692
New	Y. Zheng, et al.	Development and Validation of a Prognostic Nomogram Based on Clinical and CT Features for Adverse Outcome Prediction in Patients with COVID-19	Korean J Radiol	https://dx.doi.org/10.3348/kjr.2020.0485
New	Y. Zheng, et al.	Development and Validation of a Prognostic Nomogram Based on Clinical and CT Features for Adverse Outcome Prediction in Patients with COVID-19	Korean journal of radiology	https://dx.doi.org/https://dx.doi.org/10.3348/kjr.2020.0485

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New	Primo Autore	Titolo	Rivista	DOI
	Y. Zhu, et al.	On a Statistical Transmission Model in Analysis of the Early Phase of COVID-19 Outbreak	Stat Biosci	https://dx.doi.org/10.1007/s12561-020-09277-0
	Y. Zou, et al.	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China	medRxiv	https://dx.doi.org/10.1101/2020.03.25.20043539
	Y.-H. Lin, et al.	wash hands predict the speed of national spread of COVID-19 outbreak among 21 countries	Brain, behavior, and immunity	https://dx.doi.org/https://dx.doi.org/10.1016/j.bbi.2020.04.020
	Y.-Y. Ke, et al.	Artificial intelligence approach fighting COVID-19 with repurposing drugs	Biomedical journal	https://dx.doi.org/https://dx.doi.org/10.1016/j.bi.2020.05.001
	Z. A. Bhutta, et al.	Evaluation of effects of public health interventions on COVID-19 transmission for Pakistan: A mathematical simulation study	medRxiv	https://dx.doi.org/10.1101/2020.04.30.20086447
	Z. Bai, et al.	The Rapid Assessment and Early Warning Models for COVID-19	Viroi Sin	https://dx.doi.org/10.1007/s12250-020-00219-0
New	Z. Burda	Modelling Excess Mortality in Covid-19-like Epidemics	Arxiv	http://arxiv.org/abs/2006.15583
New	Z. C. Du, et al.	[Using Markov Chain Monte Carlo methods to estimate the age-specific case fatality rate of COVID-19]	Zhonghua Liu Xing Bing Xue Za Zhi	https://dx.doi.org/10.3760/cma.j.cn112338-20200609-00823
	Z. Chen, et al.	A Two-Phase Dynamic Contagion Model for COVID-19	Arxiv	--
	Z. Chen, et al.	Delivery method choice for COVID-19 pregnant women: stick to obstetric indications and avert anorectum contamination	American journal of obstetrics and gynecology	https://dx.doi.org/https://dx.doi.org/10.1016/j.ajog.2020.06.013
	Z. Chen, et al.	Forecast Possible Risk for COVID-19 Epidemic Dissemination Under Current Control Strategies in Japan	International journal of environmental research and public health	https://dx.doi.org/https://dx.doi.org/10.3390/ijerph17113872
	Z. Hu, et al.	Evaluation and prediction of the COVID-19 variations at different input population and quarantine strategies, a case study in Guangdong province, China	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.04.010
New	Z. Imam, et al.	Older age and comorbidity are independent mortality predictors in a large cohort of 1305 COVID-19 patients in Michigan, United States	Journal of internal medicine	http://dx.doi.org/https://dx.doi.org/10.1111/joim.13119
	Z. Jia, et al.	Modelling COVID-19 transmission: from data to intervention	Lancet Infect Dis	https://dx.doi.org/10.1016/s1473-3099(20)30258-9
	Z. L. Chen, et al.	From SARS-CoV to 2019-nCoV Outbreak: Similarities in the Early Epidemics and Prediction of Future Trends	Chin Med J (Engl)	https://dx.doi.org/10.1097/cm9.0000000000000776
	Z. Liu, et al.	A COVID-19 epidemic model with latency period	Infectious Disease Modelling	https://dx.doi.org/https://dx.doi.org/10.1016/j.idm.2020.03.003
	Z. Liu, et al.	Modeling the trend of coronavirus disease 2019 and restoration of operational capability of metropolitan medical service in China: a machine learning and mathematical model-based analysis	Glob Health Res Policy	https://dx.doi.org/10.1186/s41256-020-00145-4

MODELS

New	Primo Autore	Titolo	Rivista	DOI
	Z. Liu, et al.	Predicting the number of reported and unreported cases for the COVID-19 epidemics in China, South Korea, Italy, France, Germany and United Kingdom	medRxiv	https://dx.doi.org/10.1101/2020.04.09.20058974
	Z. Lu, et al.	A fractional-order SEIHDR model for COVID-19 with inter-city networked coupling effects	medRxiv	https://dx.doi.org/10.1101/2020.04.25.20079806
	Z. Peng, et al.	Linking key intervention timings to rapid declining effective reproduction number to quantify lessons against COVID-19	Frontiers of medicine	http://dx.doi.org/https://dx.doi.org/10.1007/s11684-020-0788-3
	Z. S. Khan, et al.	A predictive model for Covid-19 spread applied to six US states	Arxiv	http://arxiv.org/abs/2006.05955
New	Z. Wang, et al.	The dynamics of entropy in the COVID-19 outbreaks	Arxiv	http://arxiv.org/abs/2007.04136
New	Z. Weiner, et al.	Projections and early-warning signals of a second wave of the COVID-19 epidemic in Illinois	medRxiv	https://dx.doi.org/10.1101/2020.07.06.20147868
New	Z. Xie, et al.	Spatial and temporal differentiation of COVID-19 epidemic spread in mainland China and its influencing factors	Sci Total Environ	https://dx.doi.org/10.1016/j.scitotenv.2020.140929
New	Z. Yang, et al.	Modified SEIR and AI prediction of the epidemics trend of COVID-19 in China under public health interventions	Journal of thoracic disease	https://dx.doi.org/https://dx.doi.org/10.21037/jtd.2020.02.64
	Z. Yuan, et al.	A simple model to assess Wuhan lock-down effect and region efforts during COVID-19 epidemic in China Mainland	Bulletin of the World Health Organization	http://www.who.int/bulletin/online_first/20-254045.pdf
	Z. Zhuang, et al.	Preliminary estimates of the reproduction number of the coronavirus disease (COVID-19) outbreak in Republic of Korea and Italy by 5 March 2020	International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases	https://dx.doi.org/https://dx.doi.org/10.1016/j.ijid.2020.04.044
	Z. Zhuang, et al.	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: A modelling analysis based on overseas cases and air travel data	Int J Infect Dis	https://dx.doi.org/10.1016/j.ijid.2020.03.019
	c. a. barbero	A statistical forecast of LOW mortality and morbidity due to COVID-19, in ARGENTINA and other Southern Hemisphere countries	medRxiv	https://dx.doi.org/10.1101/2020.04.20.20072488
	h. khoj, et al.	Epidemic Situation and Forecasting of COVID-19 in Saudi Arabia using the SIR model	medRxiv	https://dx.doi.org/10.1101/2020.05.05.20091520
	p. udomsamuthirun, et al.	The reproductive index from SEIR model of Covid-19 epidemic in Asean	medRxiv	https://dx.doi.org/10.1101/2020.04.24.20078287
New	A. Bemanian, et al.	Investigating the Trajectory of the COVID-19 Outbreak in Milwaukee County and Projected Effects of Relaxed Distancing	WMJ : official publication of the State Medical Society of Wisconsin	--