Martin B Short

List of Publications by Year
in descending order

25 papers	1,447 citations	687363 13 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1621 citing authors

#	Article	IF	Citations
1	A fully Bayesian tracking algorithm for mitigating disparate prediction misclassification. International Journal of Forecasting, 2023, 39, 1238-1252.	6.5	3
2	A stochastic-statistical residential burglary model with independent Poisson clocks. European Journal of Applied Mathematics, 2021, 32, 32-58.	2.9	4
3	Analyzing the Impacts of Public Policy on COVID-19 Transmission: A Case Study of the Role of Model and Dataset Selection Using Data from Indiana. Statistics and Public Policy (Philadelphia, Pa), 2021, 8, 1-8.	1.6	6
4	The Role of Graphlets in Viral Processes on Networks. Journal of Nonlinear Science, 2020, 30, 2309-2324.	2.1	9
5	Approximate filtering of conditional intensity process for Poisson count data: Application to urban crime. Computational Statistics and Data Analysis, 2020, 144, 106850.	1.2	7
6	Impact of social distancing during COVID-19 pandemic on crime in Los Angeles and Indianapolis. Journal of Criminal Justice, 2020, 68, 101692.	2.3	288
7	The challenges of modeling and forecasting the spread of COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16732-16738.	7.1	406
8	A Self-limiting Hawkes Process: Interpretation, Estimation, and Use in Crime Modeling. , 2020, , .		2
9	Reducing Bias in Estimates for the Law of Crime Concentration. Journal of Quantitative Criminology, 2019, 35, 747-765.	2.9	17
10	Dynamics of Religious Group Growth and Survival. Journal for the Scientific Study of Religion, 2019, 58, 67-92.	1.5	7
11	Efficient numerical methods for multiscale crowd dynamics with emotional contagion. Mathematical Models and Methods in Applied Sciences, 2017, 27, 205-230.	3.3	48
12	Modelling radicalization: how small violent fringe sects develop into large indoctrinated societies. Royal Society Open Science, 2017, 4, 170678.	2.4	12
13	Crime, punishment, and evolution in an adversarial game. European Journal of Applied Mathematics, 2016, 27, 317-337.	2.9	1
14	Exploring data assimilation and forecasting issues for an urban crime model. European Journal of Applied Mathematics, 2016, 27, 451-478.	2.9	22
15	Modeling E-mail Networks and Inferring Leadership Using Self-Exciting Point Processes. Journal of the American Statistical Association, 2016, 111, 564-584.	3.1	60
16	Contagion Shocks in One Dimension. Journal of Statistical Physics, 2015, 158, 647-664.	1.2	41
17	Individuals versus aggregates: The pros and cons of each perspective in examining offender choices. Legal and Criminological Psychology, 2014, 19, 224-226.	2.0	0
18	Cops on the dots in a mathematical model of urban crime and police response. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 1479-1506.	0.9	37

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19	The Effects of Sacred Value Networks Within an Evolutionary, Adversarial Game. Journal of Statistical Physics, 2013, 151, 673-688.	1.2	7
20	External conversions of player strategy in an evolutionary game: A cost-benefit analysis through optimal control. European Journal of Applied Mathematics, 2013, 24, 131-159.	2.9	6
21	Criminal Defectors Lead to the Emergence of Cooperation in an Experimental, Adversarial Game. PLoS ONE, 2013, 8, e61458.	2.5	18
22	Geographic Profiling from Kinetic Models of Criminal Behavior. SIAM Journal on Applied Mathematics, 2012, 72, 163-180.	1.8	32
23	THE ECOLOGY OF GANG TERRITORIAL BOUNDARIES*. Criminology, 2012, 50, 851-885.	3.3	102
24	Dissipation and displacement of hotspots in reaction-diffusion models of crime. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3961-3965.	7.1	183
25	Flows driven by flagella of multicellular organisms enhance long-range molecular transport. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8315-8319.	7.1	129