

Martin B Short

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	THE ECOLOGY OF GANG TERRITORIAL BOUNDARIES*. Criminology, 2012, 50, 851-885.	3.3	102
6	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
7	Efficient numerical methods for multiscale crowd dynamics with emotional contagion. Mathematical Models and Methods in Applied Sciences, 2017, 27, 205-230.	3.3	48
8	Contagion Shocks in One Dimension. Journal of Statistical Physics, 2015, 158, 647-664.	1.2	41
9	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
10	Geographic Profiling from Kinetic Models of Criminal Behavior. SIAM Journal on Applied Mathematics, 2012, 72, 163-180.	1.8	32
11	Exploring data assimilation and forecasting issues for an urban crime model. European Journal of Applied Mathematics, 2016, 27, 451-478.	2.9	22
12	Criminal Defectors Lead to the Emergence of Cooperation in an Experimental, Adversarial Game. PLoS ONE, 2013, 8, e61458.	2.5	18
13	Reducing Bias in Estimates for the Law of Crime Concentration. Journal of Quantitative Criminology, 2019, 35, 747-765.	2.9	17
14	Modelling radicalization: how small violent fringe sects develop into large indoctrinated societies. Royal Society Open Science, 2017, 4, 170678.	2.4	12
15	The Role of Graphlets in Viral Processes on Networks. Journal of Nonlinear Science, 2020, 30, 2309-2324.	2.1	9
16	The Effects of Sacred Value Networks Within an Evolutionary, Adversarial Game. Journal of Statistical Physics, 2013, 151, 673-688.	1.2	7
17	Dynamics of Religious Group Growth and Survival. Journal for the Scientific Study of Religion, 2019, 58, 67-92.	1.5	7
18	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

#	ARTICLE	IF	CITATIONS
19	External conversions of player strategy in an evolutionary game: A cost-benefit analysis through optimal control. <i>European Journal of Applied Mathematics</i> , 2013, 24, 131-159.	2.9	6
20	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. <i>Statistics and Public Policy (Philadelphia, Pa)</i> , 2021, 8, 1-8.	1.6	6
21	A stochastic-statistical residential burglary model with independent Poisson clocks. <i>European Journal of Applied Mathematics</i> , 2021, 32, 32-58.	2.9	4
22	A fully Bayesian tracking algorithm for mitigating disparate prediction misclassification. <i>International Journal of Forecasting</i> , 2023, 39, 1238-1252.	6.5	3
23	A Self-limiting Hawkes Process: Interpretation, Estimation, and Use in Crime Modeling. , 2020, , .		2
24	Crime, punishment, and evolution in an adversarial game. <i>European Journal of Applied Mathematics</i> , 2016, 27, 317-337.	2.9	1
25	Individuals versus aggregates: The pros and cons of each perspective in examining offender choices. <i>Legal and Criminological Psychology</i> , 2014, 19, 224-226.	2.0	0