Guy Katriel

List of Publications by Year
in descending order

26 papers	459 citations	1163117 8 h-index	794594 19 g-index
29 all docs	29 docs citations	29 times ranked	666 citing authors

#	Article	IF	Citations
1	The role of children in the spread of COVID-19: Using household data from Bnei Brak, Israel, to estimate the relative susceptibility and infectivity of children. PLoS Computational Biology, 2021, 17, e1008559.	3.2	153
2	On the discrete spectrum of non-selfadjoint operators. Journal of Functional Analysis, 2009, 257, 2742-2759.	1.4	58
3	Modeling the spread of polio in an IPV-vaccinated population: lessons learned from the 2013 silent outbreak in southern Israel. BMC Medicine, 2016, 14, 95.	5.5	28
4	Eigenvalues of Non-selfadjoint Operators: A Comparison of Two Approaches. Operator Theory: Advances and Applications, 2013, , 107-163.	0.2	27
5	Population-level implications of the Israeli booster campaign to curtail COVID-19 resurgence. Science Translational Medicine, 2022, 14, eabn9836.	12.4	27
6	Modeling the Impact of White-Plague Coral Disease in Climate Change Scenarios. PLoS Computational Biology, 2015, 11, e1004151.	3.2	19
7	Liebâ€“Thirring Type Inequalities for SchrÃ¶dinger Operators with a Complex-Valued Potential. Integral Equations and Operator Theory, 2013, 75, 1-5.	0.8	18
8	Attack rates of seasonal epidemics. Mathematical Biosciences, 2012, 235, 56-65.	1.9	14
9	STOCHASTIC DISCRETE-TIME AGE-OF-INFECTION EPIDEMIC MODELS. International Journal of Biomathematics, 2013, 06, 1250066.	2.9	8
10	Modeling the dynamics of soil erosion and vegetative control â€” catastrophe and hysteresis. Theoretical Ecology, 2015, 8, 67-79.	1.0	8
11	Existence of Periodic Solutions for the Periodically Forced Sir Model. Journal of Mathematical Sciences, 2014, 201, 335-342.	0.4	7
12	Convergence to an exponential wealth distribution in a random market model. Applicable Analysis, 2014, 93, 1256-1263.	1.3	7
13	The Immediate Exchange model: an analytical investigation. European Physical Journal B, 2015, 88, 1.	1.5	6
14	Spline functions, the biharmonic operator and approximate eigenvalues. Numerische Mathematik, 2019, 141, 839-879.	1.9	6
15	Gamblerâ€™s ruin probabilityâ€”A general formula. Statistics and Probability Letters, 2013, 83, 2205-2210.	0.7	5
16	Gamblerâ€™s Ruin: The Duration of Play. Stochastic Models, 2014, 30, 251-271.	0.5	5
17	From spectral theory to bounds on zeros of holomorphic functions. Bulletin of the London Mathematical Society, 2013, 45, 103-110.	0.8	4
18	Spatio-Temporal Synchrony of Influenza in Cities across Israel: The â€œIsrael Is One Cityâ€•Hypothesis. PLoS ONE, 2014, 9, e91909.	2.5	4

#	Article	IF	Citations
19	A Mechanistic Stochastic Ricker Model: Analytical and Numerical Investigations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650067.	1.7	4
20	The role of childrensâ€™ vaccination for COVID-19â€"Pareto-optimal allocations of vaccines. PLoS Computational Biology, 2022, 18, e1009872.	3.2	4
21	Directed Random Market: The Equilibrium Distribution. Acta Applicandae Mathematicae, 2015, 139, 95-103.	1.0	3
22	The dynamics of two-stage contagion. Chaos, Solitons and Fractals: X, 2019, 2, 100010.	2.1	2
23	Optimality of constant arrival rate for a linear system with a bottleneck entrance. Systems and Control Letters, 2020, 138, 104649.	2.3	2
24	Continuous and holomorphic semicocycles in Banach spaces. Journal of Evolution Equations, 2019, 19, 1199-1221.	1.1	1
25	A quantitative discounted central limit theorem using the Fourier metric. Statistics and Probability Letters, 2019, 145, 321-326.	0.7	1
26	ESTIMATING THE RATE OF DEFECTS UNDER IMPERFECT SAMPLING INSPECTIONâ€"A NEW APPROACH. Probability in the Engineering and Informational Sciences, 2021, 35, 242-257.	0.8	0