

# Guy Katriel

## List of Publications by Year in descending order

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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 childrensâ€™ vaccination for COVID-19â€™ Pareto-optimal allocations of vaccines. PLoS Computational Biology, 2022, 18, e1009872.	3.2	4
2	Population-level implications of the Israeli booster campaign to curtail COVID-19 resurgence. Science Translational Medicine, 2022, 14, eabn9836.	12.4	27
3	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
4	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
5	Optimality of constant arrival rate for a linear system with a bottleneck entrance. Systems and Control Letters, 2020, 138, 104649.	2.3	2
6	The dynamics of two-stage contagion. Chaos, Solitons and Fractals: X, 2019, 2, 100010.	2.1	2
7	Continuous and holomorphic semicycles in Banach spaces. Journal of Evolution Equations, 2019, 19, 1199-1221.	1.1	1
8	Spline functions, the biharmonic operator and approximate eigenvalues. Numerische Mathematik, 2019, 141, 839-879.	1.9	6
9	A quantitative discounted central limit theorem using the Fourier metric. Statistics and Probability Letters, 2019, 145, 321-326.	0.7	1
10	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
11	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
12	Modeling the Impact of White-Plague Coral Disease in Climate Change Scenarios. PLoS Computational Biology, 2015, 11, e1004151.	3.2	19
13	Directed Random Market: The Equilibrium Distribution. Acta Applicandae Mathematicae, 2015, 139, 95-103.	1.0	3
14	The Immediate Exchange model: an analytical investigation. European Physical Journal B, 2015, 88, 1.	1.5	6
15	Modeling the dynamics of soil erosion and vegetative control â€™ catastrophe and hysteresis. Theoretical Ecology, 2015, 8, 67-79.	1.0	8
16	Spatio-Temporal Synchrony of Influenza in Cities across Israel: The â€™Israel Is One Cityâ€™ Hypothesis. PLoS ONE, 2014, 9, e91909.	2.5	4
17	Gamblerâ€™s Ruin: The Duration of Play. Stochastic Models, 2014, 30, 251-271.	0.5	5
18	Existence of Periodic Solutions for the Periodically Forced Sir Model. Journal of Mathematical Sciences, 2014, 201, 335-342.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Convergence to an exponential wealth distribution in a random market model. <i>Applicable Analysis</i> , 2014, 93, 1256-1263.	1.3	7
20	Lieb's Thirring Type Inequalities for Schrödinger Operators with a Complex-Valued Potential. <i>Integral Equations and Operator Theory</i> , 2013, 75, 1-5.	0.8	18
21	Gambler's ruin probability: A general formula. <i>Statistics and Probability Letters</i> , 2013, 83, 2205-2210.	0.7	5
22	From spectral theory to bounds on zeros of holomorphic functions. <i>Bulletin of the London Mathematical Society</i> , 2013, 45, 103-110.	0.8	4
23	STOCHASTIC DISCRETE-TIME AGE-OF-INFECTION EPIDEMIC MODELS. <i>International Journal of Biomathematics</i> , 2013, 06, 1250066.	2.9	8
24	Eigenvalues of Non-selfadjoint Operators: A Comparison of Two Approaches. <i>Operator Theory: Advances and Applications</i> , 2013, , 107-163.	0.2	27
25	Attack rates of seasonal epidemics. <i>Mathematical Biosciences</i> , 2012, 235, 56-65.	1.9	14
26	On the discrete spectrum of non-selfadjoint operators. <i>Journal of Functional Analysis</i> , 2009, 257, 2742-2759.	1.4	58