

Carl P Simon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7665533/publications.pdf>

Version: 2024-02-01

30
papers

2,341
citations

516710

16
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of Antibiotic Resistance in Drinking Water Treatment and Distribution Systems. Applied and Environmental Microbiology, 2009, 75, 5714-5718.	3.1	420
2	Qualitative Theory of Compartmental Systems. SIAM Review, 1993, 35, 43-79.	9.5	383
3	Modeling and analyzing HIV transmission: the effect of contact patterns. Mathematical Biosciences, 1988, 92, 119-199.	1.9	378
4	Wastewater treatment contributes to selective increase of antibiotic resistance among Acinetobacter spp.. Science of the Total Environment, 2009, 407, 3702-3706.	8.0	296
5	The spread and persistence of infectious diseases in structured populations. Mathematical Biosciences, 1988, 90, 341-366.	1.9	118
6	The stochastic SI model with recruitment and deaths I. comparison with the closed SIS model. Mathematical Biosciences, 1993, 117, 77-125.	1.9	98
7	Assessing Risk Factors for Transmission of Infection. American Journal of Epidemiology, 1991, 133, 1199-1209.	3.4	83
8	The Evolutionary Dynamics of Organizations. Academy of Management Review, 1995, 20, 735.	11.7	77
9	Reproduction Numbers and the Stability of Equilibria of SI Models for Heterogeneous Populations. SIAM Journal on Applied Mathematics, 1992, 52, 541-576.	1.8	75
10	An evolutionary ecological perspective on demographic transitions: Modeling multiple currencies. American Journal of Human Biology, 2002, 14, 149-167.	1.6	69
11	Human-ecosystem interactions: a dynamic integrated model. Ecological Economics, 1999, 31, 227-242.	5.7	50
12	Modeling the Underlying Dynamics of the Spread of Crime. PLoS ONE, 2014, 9, e88923.	2.5	45
13	Qualitative theory of compartmental systems with lags. Mathematical Biosciences, 2002, 180, 329-362.	1.9	41
14	Stochastic effects on endemic infection levels of disseminating versus local contacts. Mathematical Biosciences, 2002, 180, 49-71.	1.9	40
15	Generic properties of the complementarity problem. Mathematical Programming, 1973, 4, 324-335.	2.4	35
16	The effects of population structure on the spread of the HIV infection. American Journal of Physical Anthropology, 1990, 82, 421-429.	2.1	20
17	Characterization of optima in smooth Pareto economic systems. Journal of Mathematical Economics, 1975, 2, 297-330.	0.8	18
18	A Transmission Model for the Ecology of an Avian Blood Parasite in a Temperate Ecosystem. PLoS ONE, 2013, 8, e76126.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Emergent Behaviors in a Deterministic Model of the Human Uterus. <i>Reproductive Sciences</i> , 2010, 17, 948-954.	2.5	13
20	Counting Groves-Ledyard equilibria via degree theory. <i>Journal of Mathematical Economics</i> , 1983, 12, 167-184.	0.8	11
21	Singularity theory of utility mappings - I. <i>Journal of Mathematical Economics</i> , 1977, 4, 217-251.	0.8	9
22	Some fine-tuning for dominant diagonal matrices. <i>Economics Letters</i> , 1989, 30, 217-221.	1.9	9
23	Modeling the population effects of escape mutations in SARS-CoV-2 to guide vaccination strategies. <i>Epidemics</i> , 2021, 36, 100484.	3.0	7
24	Instability in $\text{Diff } r(T^3)$ and the Nongenericity of Rational Zeta Functions. <i>Transactions of the American Mathematical Society</i> , 1972, 174, 217.	0.9	6
25	Decentralized dynamic processes for finding equilibrium. <i>Journal of Economic Theory</i> , 1992, 56, 400-425.	1.1	6
26	Electoral and welfare consequences of political manipulation of the economy. <i>Journal of Economic Behavior and Organization</i> , 1985, 6, 177-202.	2.0	5
27	Modeling bacterial colonization and infection routes in health care settings: Analytic and numerical approaches. <i>Journal of Theoretical Biology</i> , 2013, 334, 187-199.	1.7	5
28	A runtime alterable epidemic model with genetic drift, waning immunity and vaccinations. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210648.	3.4	5
29	The geometry of reaction norms yields insights on classical fitness functions for Great Lakes salmon. <i>PLoS ONE</i> , 2020, 15, e0228990.	2.5	1
30	The importance of peer imitation on smoking initiation over time: a dynamical systems approach. <i>Health Care Management Science</i> , 2021, , 1.	2.6	1