

# Carl P Simon

## List of Publications by Year in descending order

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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	Modeling the population effects of escape mutations in SARS-CoV-2 to guide vaccination strategies. <i>Epidemics</i> , 2021, 36, 100484.	3.0	7
2	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
3	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
4	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
5	Modeling the Underlying Dynamics of the Spread of Crime. <i>PLoS ONE</i> , 2014, 9, e88923.	2.5	45
6	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
7	A Transmission Model for the Ecology of an Avian Blood Parasite in a Temperate Ecosystem. <i>PLoS ONE</i> , 2013, 8, e76126.	2.5	15
8	Emergent Behaviors in a Deterministic Model of the Human Uterus. <i>Reproductive Sciences</i> , 2010, 17, 948-954.	2.5	13
9	Wastewater treatment contributes to selective increase of antibiotic resistance among <i>Acinetobacter</i> spp.. <i>Science of the Total Environment</i> , 2009, 407, 3702-3706.	8.0	296
10	Prevalence of Antibiotic Resistance in Drinking Water Treatment and Distribution Systems. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5714-5718.	3.1	420
11	Stochastic effects on endemic infection levels of disseminating versus local contacts. <i>Mathematical Biosciences</i> , 2002, 180, 49-71.	1.9	40
12	Qualitative theory of compartmental systems with lags. <i>Mathematical Biosciences</i> , 2002, 180, 329-362.	1.9	41
13	An evolutionary ecological perspective on demographic transitions: Modeling multiple currencies. <i>American Journal of Human Biology</i> , 2002, 14, 149-167.	1.6	69
14	Human-ecosystem interactions: a dynamic integrated model. <i>Ecological Economics</i> , 1999, 31, 227-242.	5.7	50
15	The Evolutionary Dynamics of Organizations. <i>Academy of Management Review</i> , 1995, 20, 735.	11.7	77
16	The stochastic SI model with recruitment and deaths I. comparison with the closed SIS model. <i>Mathematical Biosciences</i> , 1993, 117, 77-125.	1.9	98
17	Qualitative Theory of Compartmental Systems. <i>SIAM Review</i> , 1993, 35, 43-79.	9.5	383
18	Reproduction Numbers and the Stability of Equilibria of SI Models for Heterogeneous Populations. <i>SIAM Journal on Applied Mathematics</i> , 1992, 52, 541-576.	1.8	75

#	ARTICLE	IF	CITATIONS
19	Decentralized dynamic processes for finding equilibrium. Journal of Economic Theory, 1992, 56, 400-425.	1.1	6
20	Assessing Risk Factors for Transmission of Infection. American Journal of Epidemiology, 1991, 133, 1199-1209.	3.4	83
21	The effects of population structure on the spread of the HIV infection. American Journal of Physical Anthropology, 1990, 82, 421-429.	2.1	20
22	Some fine-tuning for dominant diagonal matrices. Economics Letters, 1989, 30, 217-221.	1.9	9
23	Modeling and analyzing HIV transmission: the effect of contact patterns. Mathematical Biosciences, 1988, 92, 119-199.	1.9	378
24	The spread and persistence of infectious diseases in structured populations. Mathematical Biosciences, 1988, 90, 341-366.	1.9	118
25	Electoral and welfare consequences of political manipulation of the economy. Journal of Economic Behavior and Organization, 1985, 6, 177-202.	2.0	5
26	Counting Groves-Ledyard equilibria via degree theory. Journal of Mathematical Economics, 1983, 12, 167-184.	0.8	11
27	Singularity theory of utility mappings - I. Journal of Mathematical Economics, 1977, 4, 217-251.	0.8	9
28	Characterization of optima in smooth Pareto economic systems. Journal of Mathematical Economics, 1975, 2, 297-330.	0.8	18
29	Generic properties of the complementarity problem. Mathematical Programming, 1973, 4, 324-335.	2.4	35
30	Instability in Diff $r(T, 3)$ and the Nongenericity of Rational Zeta Functions. Transactions of the American Mathematical Society, 1972, 174, 217.	0.9	6