

# Simon A Levin

## List of Publications by Year in descending order

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Version: 2024-02-01

501  
papers

68,187  
citations

902

116  
h-index

830

245  
g-index

541  
all docs

541  
docs citations

541  
times ranked

55420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Governance in the Face of Extreme Events: Lessons from Evolutionary Processes for Structuring Interventions, and the Need to Go Beyond. <i>Ecosystems</i> , 2022, 25, 697-711.	1.6	18
2	Fundamental limitations on efficiently forecasting certain epidemic measures in network models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9
3	Marine phytoplankton resilience may moderate oligotrophic ecosystem responses and biogeochemical feedbacks to climate change. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	15
4	Robots as models of evolving systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120019119.	3.3	10
5	Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts. <i>Ambio</i> , 2022, 51, 1907-1920.	2.8	23
6	Stepping Up: A U.S. Perspective on the Ten Steps to Responsible Inland Fisheries. <i>Fisheries</i> , 2022, 47, 68-77.	0.6	0
7	Punishment institutions selected and sustained through voting and learning. <i>Nature Sustainability</i> , 2022, 5, 578-585.	11.5	4
8	Governing sustainable transformations of urban social-ecological-technological systems. <i>Npj Urban Sustainability</i> , 2022, 2, .	3.7	20
9	Vaccination-hesitancy and global warming: distinct social challenges with similar behavioural solutions. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	4
10	Understanding the coevolution of mask wearing and epidemics: A network perspective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
11	Interacting with others while reacting to the environment. <i>Behavioral and Brain Sciences</i> , 2022, 45, .	0.4	1
12	More than ponds amid skyscrapers: Urban fisheries as multiscale human-natural systems. <i>Aquatic Ecosystem Health and Management</i> , 2022, 25, 49-58.	0.3	2
13	Ecological complexity and the biosphere: the next 30 years. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	14
14	Fish and fisheries in hot water: What is happening and how do we adapt?. <i>Population Ecology</i> , 2021, 63, 17-26.	0.7	35
15	Analysis of the risk premium in the forward market for salmon. <i>Journal of Commodity Markets</i> , 2021, 21, 100122.	0.9	1
16	Resolution of Respect Robert M. May (1936-2020). <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01769.	0.2	0
17	Superinfection and the evolution of an initial asymptomatic stage. <i>Royal Society Open Science</i> , 2021, 8, 202212.	1.1	4
18	Trajectory of individual immunity and vaccination required for SARS-CoV-2 community immunity: a conceptual investigation. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200683.	1.5	15

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19	Boat to bowl: resilience through network rewiring of a community-supported fishery amid the COVID-19 pandemic. <i>Environmental Research Letters</i> , 2021, 16, 034054.	2.2	12
20	Our future in the Anthropocene biosphere. <i>Ambio</i> , 2021, 50, 834-869.	2.8	275
21	Emergent Field-Driven Robot Swarm States. <i>Physical Review Letters</i> , 2021, 126, 108002.	2.9	44
22	Partial immunity and SARS-CoV-2 mutationsâ€™Response. <i>Science</i> , 2021, 372, 354-355.	6.0	2
23	Optimal, near-optimal, and robust epidemic control. <i>Communications Physics</i> , 2021, 4, .	2.0	61
24	Modeling Atlantic herring fisheries as multiscale human-natural systems. <i>Fisheries Research</i> , 2021, 236, 105855.	0.9	4
25	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes. <i>Science</i> , 2021, 372, 363-370.	6.0	185
26	Biased perceptions explain collective action deadlocks and suggest new mechanisms to prompt cooperation. <i>IScience</i> , 2021, 24, 102375.	1.9	14
27	A well-timed shift from local to global agreements accelerates climate change mitigation. <i>Nature Communications</i> , 2021, 12, 2908.	5.8	2
28	Analysis of the potential impact of durability, timing, and transmission blocking of COVID-19 vaccine on morbidity and mortality. <i>EClinicalMedicine</i> , 2021, 35, 100863.	3.2	35
29	Generalized Stoichiometry and Biogeochemistry for Astrobiological Applications. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 73.	0.9	12
30	Unifying deterministic and stochastic ecological dynamics via a landscape-flux approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
31	On the Coevolution of Economic and Ecological Systems. <i>Annual Review of Resource Economics</i> , 2021, 13, 355-377.	1.5	4
32	Evolution of an asymptomatic first stage of infection in a heterogeneous population. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210175.	1.5	2
33	Sunsetting as an adaptive strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	3
34	Introduction to PNAS special issue on evolutionary models of financial markets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2104800118.	3.3	37
35	Irrigated areas drive irrigation water withdrawals. <i>Nature Communications</i> , 2021, 12, 4525.	5.8	42
36	Vaccine nationalism and the dynamics and control of SARS-CoV-2. <i>Science</i> , 2021, 373, eabj7364.	6.0	80

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37	Dynamics of informal risk sharing in collective index insurance. <i>Nature Sustainability</i> , 2021, 4, 426-432.	11.5	12
38	WTO must ban harmful fisheries subsidies. <i>Science</i> , 2021, 374, 544-544.	6.0	45
39	Risk transfer policies and climate-induced immobility among smallholder farmers. <i>Nature Climate Change</i> , 2021, 11, 1046-1054.	8.1	20
40	Interindividual cooperation mediated by partisanship complicates Madison's cure for "mischiefs of faction". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
41	Link recommendation algorithms and dynamics of polarization in online social networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	69
42	Segregation and clustering of preferences erode socially beneficial coordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
43	The dynamics of political polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
44	Extreme temperature events will drive coral decline in the Coral Triangle. <i>Global Change Biology</i> , 2020, 26, 2120-2133.	4.2	36
45	Landscape sustainability science in the drylands: mobility, rangelands and livelihoods. <i>Landscape Ecology</i> , 2020, 35, 2433-2447.	1.9	29
46	Linking Multiscalar Fisheries Using Metacoupling Models. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8
47	Cutting Through the Noise: Bacterial Chemotaxis in Marine Microenvironments. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	12
48	Quorum sensing via dynamic cytokine signaling comprehensively explains divergent patterns of effector choice among helper T cells. <i>PLoS Computational Biology</i> , 2020, 16, e1008051.	1.5	11
49	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. <i>BioScience</i> , 2020, 70, 1139-1144.	2.2	14
50	Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years. <i>Science</i> , 2020, 370, 811-818.	6.0	210
51	Robert May, 1936-2020: A man for all disciplines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23199-23201.	3.3	0
52	Economic and Behavioral Influencers of Vaccination and Antimicrobial Use. <i>Frontiers in Public Health</i> , 2020, 8, 614113.	1.3	33
53	Probabilistic Foundations of Spatial Mean-Field Models in Ecology and Applications. <i>SIAM Journal on Applied Dynamical Systems</i> , 2020, 19, 2682-2719.	0.7	10
54	Dynamics in a simple evolutionary-epidemiological model for the evolution of an initial asymptomatic infection stage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11541-11550.	3.3	28

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55	Evolution of cooperation on temporal networks. <i>Nature Communications</i> , 2020, 11, 2259.	5.8	78
56	Combating climate change with matching-commitment agreements. <i>Scientific Reports</i> , 2020, 10, 10251.	1.6	14
57	Linking regional shifts in microbial genome adaptation with surface ocean biogeochemistry. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190254.	1.8	33
58	Social dimensions of fertility behavior and consumption patterns in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6300-6307.	3.3	33
59	Opportunities for agent-based modelling in human dimensions of fisheries. <i>Fish and Fisheries</i> , 2020, 21, 570-587.	2.7	16
60	Coalition-structured governance improves cooperation to provide public goods. <i>Scientific Reports</i> , 2020, 10, 9194.	1.6	9
61	Global Marine Fishing across Space and Time. <i>Sustainability</i> , 2020, 12, 4714.	1.6	19
62	Implications of localized charge for human influenza A H1N1 hemagglutinin evolution: Insights from deep mutational scans. <i>PLoS Computational Biology</i> , 2020, 16, e1007892.	1.5	3
63	An invitation for more research on transnational corporations and the biosphere. <i>Nature Ecology and Evolution</i> , 2020, 4, 494-494.	3.4	9
64	Special issue of the <i>Journal of Mathematical Biology</i> to honor Alan Hastings's 65th birthday. <i>Journal of Mathematical Biology</i> , 2020, 80, 1-2.	0.8	0
65	Dispersal Increases the Resilience of Tropical Savanna and Forest Distributions. <i>American Naturalist</i> , 2020, 195, 833-850.	1.0	13
66	Generating Controlled, Dynamic Chemical Landscapes to Study Microbial Behavior. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	2
67	Caring for the future can turn tragedy into comedy for long-term collective action under risk of collapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12915-12922.	3.3	48
68	Asynchrony between virus diversity and antibody selection limits influenza virus evolution. <i>ELife</i> , 2020, 9, .	2.8	25
69	Active Control and Sustained Oscillations in actSIS Epidemic Dynamics. <i>IFAC-PapersOnLine</i> , 2020, 53, 807-812.	0.5	3
70	Title is missing!. , 2020, 16, e1008051.		0
71	Title is missing!. , 2020, 16, e1008051.		0
72	Title is missing!. , 2020, 16, e1008051.		0

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73	Title is missing!. , 2020, 16, e1008051.		0
74	Stability and recovery of coral-algae systems: the importance of recruitment seasonality and grazing influence. <i>Theoretical Ecology</i> , 2019, 12, 61-72.	0.4	11
75	Cooperation in the Climate Commons. <i>Review of Environmental Economics and Policy</i> , 2019, 13, 227-247.	3.1	55
76	Consensus and polarization in competing complex contagion processes. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190196.	1.5	24
77	Effects of human-induced prey depletion on large carnivores in protected areas: Lessons from modeling tiger populations in stylized spatial scenarios. <i>Ecology and Evolution</i> , 2019, 9, 11298-11313.	0.8	10
78	Special issue of theoretical ecology to honor Alan Hastings's 65th birthday. <i>Theoretical Ecology</i> , 2019, 12, 129-130.	0.4	0
79	Bacteria push the limits of chemotactic precision to navigate dynamic chemical gradients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10792-10797.	3.3	41
80	Spatial patterning among savanna trees in high-resolution, spatially extensive data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10681-10685.	3.3	30
81	Spatial feedbacks and the dynamics of savanna and forest. <i>Theoretical Ecology</i> , 2019, 12, 237-262.	0.4	20
82	Role of economics in analyzing the environment and sustainable development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5233-5238.	3.3	128
83	Incentivizing hospital infection control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6221-6225.	3.3	22
84	Perceived entertainment and recreational value motivate illegal hunting in Southwest China. <i>Biological Conservation</i> , 2019, 234, 100-106.	1.9	22
85	The architecture of robustness. , 2019, , .		5
86	Dynamic analysis and decision-making in disease-behavior systems with perceptions. , 2019, , .		1
87	Transnational corporations and the challenge of biosphere stewardship. <i>Nature Ecology and Evolution</i> , 2019, 3, 1396-1403.	3.4	194
88	Path-dependent institutions drive alternative stable states in conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 689-694.	3.3	21
89	Localized prosocial preferences, public goods, and common-pool resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5305-5310.	3.3	15
90	Local, Global, Multi-Level: Market Structure and Multi-Species Fishery Dynamics. <i>Ecological Economics</i> , 2019, 156, 185-195.	2.9	10

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91	How ecology shapes exploitation: a framework to predict the behavioural response of human and animal foragers along exploration–exploitation trade-offs. <i>Ecology Letters</i> , 2018, 21, 779-793.	3.0	32
92	On the complex dynamics of savanna landscapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1336-E1345.	3.3	54
93	Ecological and evolutionary dynamics of interconnectedness and modularity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 750-755.	3.3	10
94	Global increase and geographic convergence in antibiotic consumption between 2000 and 2015. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3463-E3470.	3.3	1,907
95	From single steps to mass migration: the problem of scale in the movement ecology of the Serengeti wildebeest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170012.	1.8	45
96	Economic Incentives in the Socially Optimal Management of Infectious Disease: When $R_0$ is Not Enough. <i>EcoHealth</i> , 2018, 15, 274-289.	0.9	9
97	What is blue growth? The semantics of ‘Sustainable Development’ of marine environments. <i>Marine Policy</i> , 2018, 87, 177-179.	1.5	147
98	Conserved behavioral circuits govern high-speed decision-making in wild fish shoals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12224-12228.	3.3	52
99	Reply to Charra et al.: Global longitudinal assessment of 2019 changes in defined daily doses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11433-E11435.	3.3	4
100	Cascading regime shifts within and across scales. <i>Science</i> , 2018, 362, 1379-1383.	6.0	220
101	The Economics of Infectious Disease, Trade and Pandemic Risk. <i>EcoHealth</i> , 2018, 15, 241-243.	0.9	15
102	Marine phytoplankton stoichiometry mediates nonlinear interactions between nutrient supply, temperature, and atmospheric CO <sub>2</sub> . <i>Biogeosciences</i> , 2018, 15, 2761-2779.	1.3	24
103	Quantifying resilience of humans and other animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11883-11890.	3.3	204
104	Reply to Abat et al.: Improved policies necessary to ensure an effective future for antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8111-E8112.	3.3	4
105	Revenue-sharing clubs provide economic insurance and incentives for sustainability in common-pool resource systems. <i>Journal of Theoretical Biology</i> , 2018, 454, 205-214.	0.8	17
106	Incomplete cooperation and co-benefits: deepening climate cooperation with a proliferation of small agreements. <i>Climatic Change</i> , 2017, 144, 65-79.	1.7	17
107	Spatial heterogeneity can resolve the nitrogen paradox of tropical forests. <i>Ecology</i> , 2017, 98, 1049-1061.	1.5	15
108	Farming and public goods production in <i>Caenorhabditis elegans</i> populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2289-2294.	3.3	25

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109	Marine Ecosystems as Complex Adaptive Systems: Emergent Patterns, Critical Transitions, and Public Goods. <i>Ecosystems</i> , 2017, 20, 458-476.	1.6	33
110	Maintaining cooperation in social-ecological systems:. <i>Theoretical Ecology</i> , 2017, 10, 155-165.	0.4	22
111	Robert Treat Paine III (1933â€“2016). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6881-6882.	3.3	2
112	Short-range dispersal maintains a volatile marine metapopulation: the brown alga <i>Postelsia palmaeformis</i> . <i>Ecology</i> , 2017, 98, 1560-1573.	1.5	6
113	The growth of finfish in global open-ocean aquaculture under climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170834.	1.2	69
114	Characterizing fisheries connectivity in marine social-ecological systems. <i>ICES Journal of Marine Science</i> , 2017, 74, 2087-2096.	1.2	81
115	Reducing antimicrobial use in food animals. <i>Science</i> , 2017, 357, 1350-1352.	6.0	448
116	The pleasure of pursuit: recreational hunters in rural Southwest China exhibit low exit rates in response to declining catch. <i>Ecology and Society</i> , 2017, 22, .	1.0	29
117	Social Creation of Pro-social Preferences for Collective Action. , 2017, , 127-143.		10
118	Mobility can promote the evolution of cooperation via emergent self-assortment dynamics. <i>PLoS Computational Biology</i> , 2017, 13, e1005732.	1.5	28
119	Transboundary capital and pollution flows and the emergence of regional inequalities. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 913-922.	0.5	2
120	A collective navigation hypothesis for homeward migration in anadromous salmonids. <i>Fish and Fisheries</i> , 2016, 17, 525-542.	2.7	73
121	Use antimicrobials wisely. <i>Nature</i> , 2016, 537, 159-161.	13.7	47
122	Slowing Down of Recovery as Generic Risk Marker for Acute Severity Transitions in Chronic Diseases. <i>Critical Care Medicine</i> , 2016, 44, 601-606.	0.4	73
123	The right incentives enable ocean sustainability successes and provide hope for the future. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14507-14514.	3.3	123
124	Human-environment interactions in population and ecosystem health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14502-14506.	3.3	83
125	Social norms as solutions. <i>Science</i> , 2016, 354, 42-43.	6.0	476
126	Natural search algorithms as a bridge between organisms, evolution, and ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9413-9420.	3.3	44



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127	A keystone ecologist: Robert Treat Paine, 1933–2016. <i>Ecology</i> , 2016, 97, 2905-2909.	1.5	3
128	Collective behavior as a driver of critical transitions in migratory populations. <i>Movement Ecology</i> , 2016, 4, 18.	1.3	27
129	The content and availability of information affects the evolution of social-information gathering strategies. <i>Theoretical Ecology</i> , 2016, 9, 455-476.	0.4	4
130	Robustness of norm-driven cooperation in the commons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152431.	1.2	34
131	Wealth reallocation and sustainability under climate change. <i>Nature Climate Change</i> , 2016, 6, 237-244.	8.1	52
132	Physical limits on bacterial navigation in dynamic environments. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20150844.	1.5	24
133	Heterogeneous Preference and Local Nonlinearity in Consensus Decision Making. <i>Physical Review Letters</i> , 2016, 116, 038701.	2.9	27
134	Evolutionary dynamics of collective index insurance. <i>Journal of Mathematical Biology</i> , 2016, 72, 997-1010.	0.8	6
135	The role of phytoplankton diversity in the emergent oceanic stoichiometry. <i>Journal of Plankton Research</i> , 2016, 38, 1021-1035.	0.8	39
136	Biome-scale nitrogen fixation strategies selected by climatic constraints on nitrogen cycle. <i>Nature Plants</i> , 2015, 1, 15182.	4.7	73
137	Decreased water limitation under elevated CO <sub>2</sub> amplifies potential for forest carbon sinks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7213-7218.	3.3	53
138	A new approach to financial regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12543-12544.	3.3	20
139	Beyond Ebola: lessons to mitigate future pandemics. <i>The Lancet Global Health</i> , 2015, 3, e354-e355.	2.9	42
140	Termite mounds can increase the robustness of dryland ecosystems to climatic change. <i>Science</i> , 2015, 347, 651-655.	6.0	202
141	What Mathematics can do for Sustainability. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 251-253.	0.9	3
142	Fitness tradeoffs between spores and nonaggregating cells can explain the coexistence of diverse genotypes in cellular slime molds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2776-2781.	3.3	63
143	On the evolutionary interplay between dispersal and local adaptation in heterogeneous environments. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1390-1405.	1.1	41
144	The potential for alternative stable states in nutrient-enriched invaded grasslands. <i>Theoretical Ecology</i> , 2015, 8, 399-417.	0.4	12

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145	The social benefits of private infectious disease-risk mitigation. <i>Theoretical Ecology</i> , 2015, 8, 467-479.	0.4	6
146	Eluding catastrophic shifts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1828-36.	3.3	97
147	Global trends in antimicrobial use in food animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5649-5654.	3.3	2,521
148	Modeling tiger population and territory dynamics using an agent-based approach. <i>Ecological Modelling</i> , 2015, 312, 347-362.	1.2	56
149	Social information use and the evolution of unresponsiveness in collective systems. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20140893.	1.5	33
150	From Management to Stewardship: Viewing Forests As Complex Adaptive Systems in an Uncertain World. <i>Conservation Letters</i> , 2015, 8, 368-377.	2.8	183
151	Implications of the spatial dynamics of fire spread for the bistability of savanna and forest. <i>Journal of Mathematical Biology</i> , 2015, 70, 329-341.	0.8	48
152	Public goods in relation to competition, cooperation, and spite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10838-10845.	3.3	87
153	Disease risk mitigation: The equivalence of two selective mixing strategies on aggregate contact patterns and resulting epidemic spread. <i>Journal of Theoretical Biology</i> , 2014, 363, 262-270.	0.8	11
154	An Extra Dimension to Decision-Making in Animals: The Three-way Trade-off between Speed, Effort per-Unit-Time and Accuracy. <i>PLoS Computational Biology</i> , 2014, 10, e1003937.	1.5	17
155	Impact of ocean phytoplankton diversity on phosphate uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17540-17545.	3.3	93
156	Urban ecology: advancing science and society. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 574-581.	1.9	60
157	Managing the climate commons at the nexus of ecology, behaviour and economics. <i>Nature Climate Change</i> , 2014, 4, 1057-1063.	8.1	46
158	Merging Economics and Epidemiology to Improve the Prediction and Management of Infectious Disease. <i>EcoHealth</i> , 2014, 11, 464-475.	0.9	87
159	Cross-Reactive Immune Responses as Primary Drivers of Malaria Chronicity. <i>Infection and Immunity</i> , 2014, 82, 140-151.	1.0	17
160	Disease at the wildlife-livestock interface: Acaricide use on domestic cattle does not prevent transmission of a tick-borne pathogen with multiple hosts. <i>Veterinary Parasitology</i> , 2014, 199, 206-214.	0.7	18
161	Rainfall and temperatures changes have confounding impacts on <i>Phytophthora cinnamomi</i> occurrence risk in the southwestern USA under climate change scenarios. <i>Global Change Biology</i> , 2014, 20, 1299-1312.	4.2	43
162	Climate policies under wealth inequality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2212-2216.	3.3	112

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163	Dealing with femtorisks in international relations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17356-17362.	3.3	24
164	Does aquaculture add resilience to the global food system?. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13257-13263.	3.3	468
165	Mathematical model of adult stem cell regeneration with cross-talk between genetic and epigenetic regulation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E880-7.	3.3	55
166	Global antibiotic consumption 2000 to 2010: an analysis of national pharmaceutical sales data. Lancet Infectious Diseases, The, 2014, 14, 742-750.	4.6	1,719
167	Evolutionary comparison between viral lysis rate and latent period. Journal of Theoretical Biology, 2014, 345, 32-42.	0.8	34
168	Mechanistic analysis of the search behaviour of <i>Caenorhabditis elegans</i> . Journal of the Royal Society Interface, 2014, 11, 20131092.	1.5	46
169	Some Perspectives on Linked Ecosystems and Socioeconomic Systems. , 2014, , 95-116.		11
170	Decision Accuracy and the Role of Spatial Interaction in Opinion Dynamics. Journal of Statistical Physics, 2013, 151, 203-217.	0.5	7
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