

# David J Newth

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,864  
citations

516561

16  
h-index

454834

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupling global environmental pressure and economic growth: scenarios for energy use, materials use and carbon emissions. <i>Journal of Cleaner Production</i> , 2016, 132, 45-56.	4.6	382
2	Optimizing complex networks for resilience against cascading failure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 380, 673-683.	1.2	268
3	Understanding Human Mobility from Twitter. <i>PLoS ONE</i> , 2015, 10, e0131469.	1.1	258
4	Australia is "free to choose" economic growth and falling environmental pressures. <i>Nature</i> , 2015, 527, 49-53.	13.7	130
5	Supply of carbon sequestration and biodiversity services from Australia's agricultural land under global change. <i>Global Environmental Change</i> , 2014, 28, 166-181.	3.6	97
6	Assessing global resource use and greenhouse emissions to 2050, with ambitious resource efficiency and climate mitigation policies. <i>Journal of Cleaner Production</i> , 2017, 144, 403-414.	4.6	87
7	Land-use and sustainability under intersecting global change and domestic policy scenarios: Trajectories for Australia to 2050. <i>Global Environmental Change</i> , 2016, 38, 130-152.	3.6	85
8	Ordered asynchronous processes in multi-agent systems. <i>Physica D: Nonlinear Phenomena</i> , 2005, 204, 70-82.	1.3	81
9	A hybrid energy-economy model for global integrated assessment of climate change, carbon mitigation and energy transformation. <i>Applied Energy</i> , 2015, 148, 381-395.	5.1	60
10	Modelling Australian land use competition and ecosystem services with food price feedbacks at high spatial resolution. <i>Environmental Modelling and Software</i> , 2015, 69, 141-154.	1.9	58
11	Economic shifts in agricultural production and trade due to climate change. <i>Palgrave Communications</i> , 2018, 4, .	4.7	48
12	Shared socio-economic pathways and their implications for global materials use. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104866.	5.3	42
13	A framework for integrated assessment of food production economics in South Asia under climate change. <i>Environmental Modelling and Software</i> , 2016, 75, 459-497.	1.9	34
14	Emergence and Self-Organization in Chemistry and Biology. <i>Australian Journal of Chemistry</i> , 2006, 59, 841.	0.5	33
15	Modeling Dynamics of Diffusion Across Heterogeneous Social Networks: News Diffusion in Social Media. <i>Entropy</i> , 2013, 15, 4215-4242.	1.1	28
16	Asynchronous spatial evolutionary games. <i>BioSystems</i> , 2009, 95, 120-129.	0.9	24
17	Effects of foreign direct investment in African agriculture. <i>China Agricultural Economic Review</i> , 2015, 7, 167-184.	1.8	18
18	Trends of news diffusion in social media based on crowd phenomena. , 2014, , .		17

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19	Macro-level information transfer in social media: Reflections of crowd phenomena. <i>Neurocomputing</i> , 2016, 172, 84-99.	3.5	14
20	Patterns of crop cover under future climates. <i>Ambio</i> , 2017, 46, 265-276.	2.8	13
21	Strategic Choice of Preferences: the Persona Model. <i>B E Journal of Theoretical Economics</i> , 2011, 11, .	0.1	11
22	Modeling dynamics of meta-populations with a probabilistic approach. , 2013, , .		11
23	Modeling direct and indirect influence across heterogeneous social networks. , 2013, , .		10
24	Economic impacts of climate change on the <scp>A</scp>ustralian dairy sector. <i>Australian Journal of Agricultural and Resource Economics</i> , 2014, 58, 60-77.	1.3	10
25	Oil, Gas and Conflict: A Mathematical Model for the Resource Curse. <i>PLoS ONE</i> , 2013, 8, e66706.	1.1	7
26	The Role of Translocation and Selection in the Emergence of Genetic Clusters and Modules. <i>Artificial Life</i> , 2007, 13, 249-258.	1.0	6
27	Asynchronous Iterated Prisoner's Dilemma. <i>Adaptive Behavior</i> , 2009, 17, 175-183.	1.1	6
28	Diffusion and Social Networks: Revisiting Medical Innovation with Agents. , 2008, , 247-265.		5
29	Effects of Variation in the Grains Sector Response to Climate Change: An Integrated Assessment*. <i>Economic Papers</i> , 2012, 31, 327-336.	0.4	5
30	The emergence of cooperation in the random asynchronous prisonerâ€™s dilemma. <i>Artificial Life and Robotics</i> , 2008, 12, 329-334.	0.7	3
31	Optimizing Coupled Oscillators for Stability. <i>Lecture Notes in Computer Science</i> , 2005, , 1327-1330.	1.0	3
32	Evolving Networks with Enhanced Stability Properties. <i>Research Letters in Physics</i> , 2008, 2008, 1-5.	0.2	2
33	Macro-level information transfer across social networks. , 2014, , .		2
34	Uncovering Diffusion in Academic Publications Using Model-Driven and Model-Free Approaches. , 2014, , .		2
35	Socio-Economic Analysis of Climate Services in Disaster Risk Reduction: A Perspective on Pacific SIDS. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	2
36	Network publishing languages. <i>Computer Networks</i> , 1998, 30, 636-637.	1.0	1

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37	Altruistic Punishment, Social Structure and the Enforcement of Social Norms. Lecture Notes in Computer Science, 2005, , 806-812.	1.0	1
38	The Emergence of Cooperation in Asynchronous Iterated Prisoner's Dilemma. Lecture Notes in Computer Science, 2006, , 742-749.	1.0	0