

# Timothy Baynes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1636909/publications.pdf>

Version: 2024-02-01

23  
papers

1,810  
citations

471509  
17  
h-index

677142  
22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2162  
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.	9.3	382
2	Agent-based modeling in ecological economics. <i>Annals of the New York Academy of Sciences</i> , 2010, 1185, 39-53.	3.8	199
3	General approaches for assessing urban environmental sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 458-464.	6.3	179
4	Magnesium Inhibition of Ryanodine-Receptor Calcium Channels: Evidence for Two Independent Mechanisms. <i>Journal of Membrane Biology</i> , 1997, 156, 213-229.	2.1	174
5	Compiling and using input-output frameworks through collaborative virtual laboratories. <i>Science of the Total Environment</i> , 2014, 485-486, 241-251.	8.0	151
6	Australia is “free to choose” economic growth and falling environmental pressures. <i>Nature</i> , 2015, 527, 49-53.	27.8	130
7	Incorporating Resilience in the Assessment of Inclusive Wealth: An Example from South East Australia. <i>Environmental and Resource Economics</i> , 2010, 45, 183-202.	3.2	102
8	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.	9.3	87
9	Assessing carbon footprints of cities under limited information. <i>Journal of Cleaner Production</i> , 2018, 176, 1254-1270.	9.3	70
10	Comparison of household consumption and regional production approaches to assess urban energy use and implications for policy. <i>Energy Policy</i> , 2011, 39, 7298-7309.	8.8	64
11	Complexity in Urban Development and Management. <i>Journal of Industrial Ecology</i> , 2009, 13, 214-227.	5.5	48
12	Rising tides: adaptation policy alternatives for coastal residential buildings in Australia. <i>Structure and Infrastructure Engineering</i> , 2016, 12, 463-476.	3.7	42
13	Comparison of stepwise demagnetization techniques. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 1753-1758.	2.1	40
14	A spatial assessment of potential biomass for bioenergy in Australia in 2010, and possible expansion by 2030 and 2050. <i>GCB Bioenergy</i> , 2016, 8, 707-722.	5.6	32
15	The Australian industrial ecology virtual laboratory and multi-scale assessment of buildings and construction. <i>Energy and Buildings</i> , 2018, 164, 14-20.	6.7	19
16	Reconstructing the Energy History of a City. <i>Journal of Industrial Ecology</i> , 2012, 16, 862-874.	5.5	18
17	A Water Accounting System for Strategic Water Management. <i>Water Resources Management</i> , 2010, 24, 513-545.	3.9	17
18	Estimating current and future global urban domestic material consumption. <i>Environmental Research Letters</i> , 2018, 13, 065012.	5.2	17

#	ARTICLE	IF	CITATIONS
19	Environmental and natural resource implications of sustainable urban infrastructure systems. Environmental Research Letters, 2017, 12, 125009.	5.2	13
20	Water and energy futures for Melbourne: implications of land use, water use, and water supply strategy. Journal of Water and Climate Change, 2014, 5, 163-175.	2.9	10
21	Softâ€œcoupling of national biophysical and economic models for improved understanding of feedbacks. Environmental Policy and Governance, 2010, 20, 270-282.	3.7	9
22	Historical Calibration of a Water Account System. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 41-50.	2.6	7
23	Getting to work: smart work centers reduce morning peak traffic flow. , 0, , .		0