

# Damien P Giurco

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

4,481  
citations

117571

34  
h-index

106281

65  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Projection of world fossil fuels by country. Fuel, 2015, 141, 120-135.	3.4	445
2	Mineral supply for sustainable development requires resource governance. Nature, 2017, 543, 367-372.	13.7	421
3	Resource depletion, peak minerals and the implications for sustainable resource management. Global Environmental Change, 2012, 22, 577-587.	3.6	286
4	Modelling future copper ore grade decline based on a detailed assessment of copper resources and mining. Resources, Conservation and Recycling, 2014, 83, 190-201.	5.3	279
5	Lithium Resources and Production: Critical Assessment and Global Projections. Minerals (Basel), Tj ETQq1 1 0.784314 rgBT / Overlock 10 255	0.8	255
6	End use water consumption in households: impact of socio-demographic factors and efficient devices. Journal of Cleaner Production, 2013, 60, 107-115.	4.6	233
7	Total material requirement for the global energy transition to 2050: A focus on transport and electricity. Resources, Conservation and Recycling, 2019, 148, 91-103.	5.3	164
8	Intelligent Metering for Urban Water: A Review. Water (Switzerland), 2013, 5, 1052-1081.	1.2	161
9	Web-based knowledge management system: linking smart metering to the future of urban water planning. Australian Planner, 2010, 47, 66-74.	0.6	115
10	Mining and sustainability: asking the right questions. Minerals Engineering, 2012, 29, 3-12.	1.8	105
11	Barriers to Industrial Symbiosis: Insights from the Use of a Maturity Grid. Journal of Industrial Ecology, 2015, 19, 141-153.	2.8	103
12	Incorporating sustainable development in the design of mineral processing operations – Review and analysis of current approaches. Journal of Cleaner Production, 2009, 17, 1414-1425.	4.6	95
13	Renewable energy in the minerals industry: a review of global potential. Journal of Cleaner Production, 2012, 32, 32-44.	4.6	92
14	Life cycle assessment: a time-series analysis of copper. Journal of Cleaner Production, 2012, 33, 97-108.	4.6	89
15	Circular Economy: Questions for Responsible Minerals, Additive Manufacturing and Recycling of Metals. Resources, 2014, 3, 432-453.	1.6	86
16	Integrated intelligent water-energy metering systems and informatics: Visioning a digital multi-utility service provider. Environmental Modelling and Software, 2018, 105, 94-117.	1.9	71
17	Strategies for reducing the carbon footprint of copper: New technologies, more recycling or demand management?. Minerals Engineering, 2007, 20, 842-853.	1.8	64
18	Responsible mineral and energy futures: views at the nexus. Journal of Cleaner Production, 2014, 84, 322-338.	4.6	64

#	ARTICLE	IF	CITATIONS
19	Urban water conservation through customised water and end-use information. <i>Journal of Cleaner Production</i> , 2016, 112, 3164-3175.	4.6	63
20	Transitions in Theory and Practice: Managing Metals in the Circular Economy. <i>Resources</i> , 2014, 3, 516-543.	1.6	61
21	Availability, addiction and alternatives: three criteria for assessing the impact of peak minerals on society. <i>Journal of Cleaner Production</i> , 2011, 19, 958-966.	4.6	58
22	Sustainable governance of scarce metals: The case of lithium. <i>Science of the Total Environment</i> , 2013, 461-462, 785-791.	3.9	52
23	Resourcing the future: Using foresight in resource governance. <i>Geoforum</i> , 2013, 44, 316-328.	1.4	50
24	Developing industrial water reuse synergies in Port Melbourne: cost effectiveness, barriers and opportunities. <i>Journal of Cleaner Production</i> , 2011, 19, 867-876.	4.6	47
25	Backcasting energy futures using industrial ecology. <i>Technological Forecasting and Social Change</i> , 2011, 78, 797-818.	6.2	45
26	Using the waste Kuznet's curve to explore regional variation in the decoupling of waste generation and socioeconomic indicators. <i>Resources, Conservation and Recycling</i> , 2019, 149, 674-686.	5.3	44
27	Machine Learning and Data Analytic Techniques in Digital Water Metering: A Review. <i>Water (Switzerland)</i> , 2020, 12, 294.	1.2	44
28	Smart Metering and Water End-Use Data: Conservation Benefits and Privacy Risks. <i>Water (Switzerland)</i> , 2010, 2, 461-467.	1.2	43
29	Motivating metrics for household water-use feedback. <i>Resources, Conservation and Recycling</i> , 2015, 103, 29-46.	5.3	43
30	Designing backcasting scenarios for resilient energy futures. <i>Technological Forecasting and Social Change</i> , 2017, 124, 114-125.	6.2	42
31	A systematic review of empirical methods for modelling sectoral carbon emissions in China. <i>Journal of Cleaner Production</i> , 2019, 215, 1382-1401.	4.6	42
32	Campus sustainability: climate change, transport and paper reduction. <i>International Journal of Sustainability in Higher Education</i> , 2011, 12, 269-279.	1.6	40
33	Global Metal Use Targets in Line with Climate Goals. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12476-12483.	4.6	39
34	An Australian Multi-Regional Waste Supply-Use Framework. <i>Journal of Industrial Ecology</i> , 2016, 20, 1295-1305.	2.8	37
35	Peak Minerals: Theoretical Foundations and Practical Application. <i>Natural Resources Research</i> , 2012, 21, 43-60.	2.2	36
36	Sustainable energy transitions require enhanced resource governance. <i>Journal of Cleaner Production</i> , 2021, 312, 127698.	4.6	34

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37	Industrial symbiosis in Gladstone: a decade of progress and future development. <i>Journal of Cleaner Production</i> , 2014, 84, 421-429.	4.6	29
38	“Slowing” and “Narrowing” the Flow of Metals for Consumer Goods: Evaluating Opportunities and Barriers. <i>Sustainability</i> , 2018, 10, 1096.	1.6	29
39	Green growth in Nepal and Bangladesh: Empirical analysis and future prospects. <i>Energy Policy</i> , 2021, 149, 112049.	4.2	29
40	Critical Minerals and Energy – Impacts and Limitations of Moving to Unconventional Resources. <i>Resources</i> , 2016, 5, 19.	1.6	28
41	Renewable hydropower generation as a co-benefit of balanced urban water portfolio management and flood risk mitigation. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 1076-1087.	8.2	28
42	Global Projection of Lead-Zinc Supply from Known Resources. <i>Resources</i> , 2018, 7, 17.	1.6	28
43	Integrating Circular Economy Strategies with Low-Carbon Scenarios: Lithium Use in Electric Vehicles. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11657-11665.	4.6	28
44	Decentralised Energy Futures: The Changing Emissions Reduction Landscape. <i>Procedia CIRP</i> , 2015, 29, 138-143.	1.0	21
45	Global copper cycles and greenhouse gas emissions in a 1.5°C world. <i>Resources, Conservation and Recycling</i> , 2022, 179, 106118.	5.3	21
46	Projection of Iron Ore Production. <i>Natural Resources Research</i> , 2015, 24, 317-327.	2.2	20
47	Nexus between economy-wide metal inputs and the deterioration of sustainable development goals. <i>Resources, Conservation and Recycling</i> , 2019, 149, 12-19.	5.3	19
48	Online water-use feedback: household user interest, savings and implications. <i>Urban Water Journal</i> , 2017, 14, 900-907.	1.0	18
49	Resource Criticality and Commodity Production Projections. <i>Resources</i> , 2012, 1, 23-33.	1.6	14
50	Advancing household water-use feedback to inform customer behaviour for sustainable urban water. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 198-205.	1.0	13
51	Green new deals could be the answer to COP26’s deep decarbonisation needs. , 2022, 1, 100006.		13
52	Mineral resources landscape: reconciling complexity, sustainability and technology. <i>International Journal of Technology Intelligence and Planning</i> , 2011, 7, 1.	0.6	12
53	Representation of Ecodesign Practice: International Comparison of Industrial Design Consultancies. <i>Sustainability</i> , 2011, 3, 1778-1791.	1.6	12
54	The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. <i>Journal of Cleaner Production</i> , 2016, 135, 342-355.	4.6	12

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55	A clustering solution for analyzing residential water consumption patterns. Knowledge-Based Systems, 2021, 233, 107522.	4.0	11
56	Detailed water-use feedback: A review and proposed framework for program implementation. Utilities Policy, 2016, 43, 140-150.	2.1	10
57	Advanced household profiling using digital water meters. Journal of Environmental Management, 2021, 288, 112377.	3.8	10
58	On the Theoretical Conceptualisations, Knowledge Structures and Trends of Green New Deals. Sustainability, 2021, 13, 12529.	1.6	9
59	Industrial ecology and carbon property rights. Journal of Cleaner Production, 2014, 80, 211-223.	4.6	8
60	Projecting the global impact of fossil fuel production from the Former Soviet Union. International Journal of Coal Science and Technology, 2021, 8, 1208-1226.	2.7	7
61	Changing policy paradigms: How are the climate change mitigation-oriented policies evolving in Nepal and Bangladesh?. Environmental Science and Policy, 2021, 124, 423-432.	2.4	7
62	Maximizing the effectiveness of carbon emissions abatement in China across carbon communities. Energy Economics, 2022, 106, 105801.	5.6	7
63	Predicting Household Water Consumption Events: Towards a Personalised Recommender System to Encourage Water-conscious Behaviour. , 2019, , .		6
64	Towards Responsible Steel: Preliminary Insights. Resources, 2014, 3, 275-290.	1.6	5
65	Spatial modelling of municipal waste generation: Deriving property lot estimates with limited data. Resources, Conservation and Recycling, 2021, 168, 105442.	5.3	5
66	Integrated Resource Planning for Urban Waste Management. Resources, 2015, 4, 3-24.	1.6	4
67	Carbon Communities and Hotspots for Carbon Emissions Reduction in China. Sustainability, 2019, 11, 5508.	1.6	4
68	Mainstreaming climate change mitigation actions in Nepal: Influencing factors and processes. Environmental Science and Policy, 2021, 124, 206-216.	2.4	4
69	Next Generation Machine Learning for Urban Water Management. Water E-Journal, 2020, 5, 1-7.	0.2	4
70	Resource-efficient and renewable energy transition in the five least developed countries of Asia: a post-COVID-19 assessment. Sustainability: Science, Practice, and Policy, 2021, 17, 404-413.	1.1	4
71	Discussion, Conclusions and Recommendations. , 2019, , 471-487.		3
72	Hydrological response of implementing green and blue infrastructure “ study of a Brazilian metropolis. Urban Water Journal, 0, , 1-13.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Estimating emissions from household organic waste collection and transportation: The case of Sydney and surrounding areas, Australia. , 2022, 2, 100013.		3
74	Environmental impacts and demand-supply balance of minerals for the transition to a low-carbon energy system. International Journal of Smart Grid and Clean Energy, 2020, , 189-197.	0.4	2
75	Greening Regional Cities: The Role of Government in Sustainability Transitions. World Sustainability Series, 2018, , 327-343.	0.3	1
76	Ensure Sustainable Consumption and Production Patterns. , 2020, , 117-124.		1
77	Reprint of: The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. Journal of Cleaner Production, 2017, 163, S125-S137.	4.6	0
78	Chapter 10 Australian Regional Waste Footprints. , 2018, , 179-190.		0