

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	Maximizing the effectiveness of carbon emissions abatement in China across carbon communities. <i>Energy Economics</i> , 2022, 106, 105801.	5.6	7
2	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
3	Green new deals could be the answer to COP26's deep decarbonisation needs. , 2022, 1, 100006.		13
4	Estimating emissions from household organic waste collection and transportation: The case of Sydney and surrounding areas, Australia. , 2022, 2, 100013.		3
5	Green growth in Nepal and Bangladesh: Empirical analysis and future prospects. <i>Energy Policy</i> , 2021, 149, 112049.	4.2	29
6	Spatial modelling of municipal waste generation: Deriving property lot estimates with limited data. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105442.	5.3	5
7	Advanced household profiling using digital water meters. <i>Journal of Environmental Management</i> , 2021, 288, 112377.	3.8	10
8	Sustainable energy transitions require enhanced resource governance. <i>Journal of Cleaner Production</i> , 2021, 312, 127698.	4.6	34
9	Projecting the global impact of fossil fuel production from the Former Soviet Union. <i>International Journal of Coal Science and Technology</i> , 2021, 8, 1208-1226.	2.7	7
10	A clustering solution for analyzing residential water consumption patterns. <i>Knowledge-Based Systems</i> , 2021, 233, 107522.	4.0	11
11	Mainstreaming climate change mitigation actions in Nepal: Influencing factors and processes. <i>Environmental Science and Policy</i> , 2021, 124, 206-216.	2.4	4
12	Changing policy paradigms: How are the climate change mitigation-oriented policies evolving in Nepal and Bangladesh?. <i>Environmental Science and Policy</i> , 2021, 124, 423-432.	2.4	7
13	Resource-efficient and renewable energy transition in the five least developed countries of Asia: a post-COVID-19 assessment. <i>Sustainability: Science, Practice, and Policy</i> , 2021, 17, 404-413.	1.1	4
14	On the Theoretical Conceptualisations, Knowledge Structures and Trends of Green New Deals. <i>Sustainability</i> , 2021, 13, 12529.	1.6	9
15	Global Metal Use Targets in Line with Climate Goals. <i>Environmental Science & Technology</i> , 2020, 54, 12476-12483.	4.6	39
16	Machine Learning and Data Analytic Techniques in Digital Water Metering: A Review. <i>Water (Switzerland)</i> , 2020, 12, 294.	1.2	44
17	Next Generation Machine Learning for Urban Water Management. <i>Water E-Journal</i> , 2020, 5, 1-7.	0.2	4
18	Environmental impacts and demand-supply balance of minerals for the transition to a low-carbon energy system. <i>International Journal of Smart Grid and Clean Energy</i> , 2020, , 189-197.	0.4	2

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19	Ensure Sustainable Consumption and Production Patterns. , 2020, , 117-124.		1
20	Predicting Household Water Consumption Events: Towards a Personalised Recommender System to Encourage Water-conscious Behaviour. , 2019, , .		6
21	Carbon Communities and Hotspots for Carbon Emissions Reduction in China. Sustainability, 2019, 11, 5508.	1.6	4
22	Using the waste Kuznet's curve to explore regional variation in the decoupling of waste generation and socioeconomic indicators. Resources, Conservation and Recycling, 2019, 149, 674-686.	5.3	44
23	Integrating Circular Economy Strategies with Low-Carbon Scenarios: Lithium Use in Electric Vehicles. Environmental Science & Technology, 2019, 53, 11657-11665.	4.6	28
24	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
25	Nexus between economy-wide metal inputs and the deterioration of sustainable development goals. Resources, Conservation and Recycling, 2019, 149, 12-19.	5.3	19
26	A systematic review of empirical methods for modelling sectoral carbon emissions in China. Journal of Cleaner Production, 2019, 215, 1382-1401.	4.6	42
27	Discussion, Conclusions and Recommendations. , 2019, , 471-487.		3
28	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
29	“Slowing” and “Narrowing” the Flow of Metals for Consumer Goods: Evaluating Opportunities and Barriers. Sustainability, 2018, 10, 1096.	1.6	29
30	Chapter 10 Australian Regional Waste Footprints. , 2018, , 179-190.		0
31	Global Projection of Lead-Zinc Supply from Known Resources. Resources, 2018, 7, 17.	1.6	28
32	Greening Regional Cities: The Role of Government in Sustainability Transitions. World Sustainability Series, 2018, , 327-343.	0.3	1
33	Renewable hydropower generation as a co-benefit of balanced urban water portfolio management and flood risk mitigation. Renewable and Sustainable Energy Reviews, 2017, 68, 1076-1087.	8.2	28
34	Designing backcasting scenarios for resilient energy futures. Technological Forecasting and Social Change, 2017, 124, 114-125.	6.2	42
35	Advancing household water-use feedback to inform customer behaviour for sustainable urban water. Water Science and Technology: Water Supply, 2017, 17, 198-205.	1.0	13
36	Online water-use feedback: household user interest, savings and implications. Urban Water Journal, 2017, 14, 900-907.	1.0	18

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37	Mineral supply for sustainable development requires resource governance. <i>Nature</i> , 2017, 543, 367-372.	13.7	421
38	Reprint of: The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. <i>Journal of Cleaner Production</i> , 2017, 163, S125-S137.	4.6	0
39	Critical Minerals and Energy – Impacts and Limitations of Moving to Unconventional Resources. <i>Resources</i> , 2016, 5, 19.	1.6	28
40	Detailed water-use feedback: A review and proposed framework for program implementation. <i>Utilities Policy</i> , 2016, 43, 140-150.	2.1	10
41	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
42	An Australian Multi-Regional Waste Supply-Use Framework. <i>Journal of Industrial Ecology</i> , 2016, 20, 1295-1305.	2.8	37
43	Urban water conservation through customised water and end-use information. <i>Journal of Cleaner Production</i> , 2016, 112, 3164-3175.	4.6	63
44	Integrated Resource Planning for Urban Waste Management. <i>Resources</i> , 2015, 4, 3-24.	1.6	4
45	Projection of Iron Ore Production. <i>Natural Resources Research</i> , 2015, 24, 317-327.	2.2	20
46	Decentralised Energy Futures: The Changing Emissions Reduction Landscape. <i>Procedia CIRP</i> , 2015, 29, 138-143.	1.0	21
47	Motivating metrics for household water-use feedback. <i>Resources, Conservation and Recycling</i> , 2015, 103, 29-46.	5.3	43
48	Barriers to Industrial Symbiosis: Insights from the Use of a Maturity Grid. <i>Journal of Industrial Ecology</i> , 2015, 19, 141-153.	2.8	103
49	Projection of world fossil fuels by country. <i>Fuel</i> , 2015, 141, 120-135.	3.4	445
50	Towards Responsible Steel: Preliminary Insights. <i>Resources</i> , 2014, 3, 275-290.	1.6	5
51	Transitions in Theory and Practice: Managing Metals in the Circular Economy. <i>Resources</i> , 2014, 3, 516-543.	1.6	61
52	Modelling future copper ore grade decline based on a detailed assessment of copper resources and mining. <i>Resources, Conservation and Recycling</i> , 2014, 83, 190-201.	5.3	279
53	Responsible mineral and energy futures: views at the nexus. <i>Journal of Cleaner Production</i> , 2014, 84, 322-338.	4.6	64
54	Industrial symbiosis in Gladstone: a decade of progress and future development. <i>Journal of Cleaner Production</i> , 2014, 84, 421-429.	4.6	29

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55	Industrial ecology and carbon property rights. Journal of Cleaner Production, 2014, 80, 211-223.	4.6	8
56	Circular Economy: Questions for Responsible Minerals, Additive Manufacturing and Recycling of Metals. Resources, 2014, 3, 432-453.	1.6	86
57	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
58	Sustainable governance of scarce metals: The case of lithium. Science of the Total Environment, 2013, 461-462, 785-791.	3.9	52
59	Resourcing the future: Using foresight in resource governance. Geoforum, 2013, 44, 316-328.	1.4	50
60	Intelligent Metering for Urban Water: A Review. Water (Switzerland), 2013, 5, 1052-1081.	1.2	161
61	Lithium Resources and Production: Critical Assessment and Global Projections. Minerals (Basel), Tj ETQq1 1 0.784314 rgBT / Overlock 10 0,8 255	0.8	255
62	Life cycle assessment: a time-series analysis of copper. Journal of Cleaner Production, 2012, 33, 97-108.	4.6	89
63	Resource depletion, peak minerals and the implications for sustainable resource management. Global Environmental Change, 2012, 22, 577-587.	3.6	286
64	Resource Criticality and Commodity Production Projections. Resources, 2012, 1, 23-33.	1.6	14
65	Mining and sustainability: asking the right questions. Minerals Engineering, 2012, 29, 3-12.	1.8	105
66	Renewable energy in the minerals industry: a review of global potential. Journal of Cleaner Production, 2012, 32, 32-44.	4.6	92
67	Peak Minerals: Theoretical Foundations and Practical Application. Natural Resources Research, 2012, 21, 43-60.	2.2	36
68	Mineral resources landscape: reconciling complexity, sustainability and technology. International Journal of Technology Intelligence and Planning, 2011, 7, 1.	0.6	12
69	Representation of Ecodesign Practice: International Comparison of Industrial Design Consultancies. Sustainability, 2011, 3, 1778-1791.	1.6	12
70	Backcasting energy futures using industrial ecology. Technological Forecasting and Social Change, 2011, 78, 797-818.	6.2	45
71	Developing industrial water reuse synergies in Port Melbourne: cost effectiveness, barriers and opportunities. Journal of Cleaner Production, 2011, 19, 867-876.	4.6	47
72	Availability, addiction and alternatives: three criteria for assessing the impact of peak minerals on society. Journal of Cleaner Production, 2011, 19, 958-966.	4.6	58

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73	Campus sustainability: climate change, transport and paper reduction. <i>International Journal of Sustainability in Higher Education</i> , 2011, 12, 269-279.	1.6	40
74	Smart Metering and Water End-Use Data: Conservation Benefits and Privacy Risks. <i>Water (Switzerland)</i> , 2010, 2, 461-467.	1.2	43
75	Web-based knowledge management system: linking smart metering to the future of urban water planning. <i>Australian Planner</i> , 2010, 47, 66-74.	0.6	115
76	Incorporating sustainable development in the design of mineral processing operations – Review and analysis of current approaches. <i>Journal of Cleaner Production</i> , 2009, 17, 1414-1425.	4.6	95
77	Strategies for reducing the carbon footprint of copper: New technologies, more recycling or demand management?. <i>Minerals Engineering</i> , 2007, 20, 842-853.	1.8	64
78	Hydrological response of implementing green and blue infrastructure – study of a Brazilian metropolis. <i>Urban Water Journal</i> , 0, , 1-13.	1.0	3