

Alessio Miatto

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,527
citations

430754

18
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the material cycle of Italian bricks with the aid of building information modeling. <i>Journal of Industrial Ecology</i> , 2022, 26, 609-626.	2.8	4
2	Alloy information helps prioritize material criticality lists. <i>Nature Communications</i> , 2022, 13, 150.	5.8	30
3	Patterns and features of embodied environmental flow networks in the international trade of metal resources: A study of aluminum. <i>Resources Policy</i> , 2022, 77, 102767.	4.2	13
4	U.S. Cobalt: A Cycle of Diverse and Important Uses. <i>Resources, Conservation and Recycling</i> , 2022, 184, 106441.	5.3	11
5	Alloy Profusion, Spice Metals, and Resource Loss by Design. <i>Sustainability</i> , 2022, 14, 7535.	1.6	7
6	Urban development and sustainability challenges chronicled by a century of construction material flows and stocks in Tiexi, China. <i>Journal of Industrial Ecology</i> , 2021, 25, 162-175.	2.8	28
7	A framework of indicators for associating material stocks and flows to service provisioning: Application for Japan 1990â€“2015. <i>Journal of Cleaner Production</i> , 2021, 285, 125450.	4.6	25
8	United States plastics: Large flows, short lifetimes, and negligible recycling. <i>Resources, Conservation and Recycling</i> , 2021, 167, 105440.	5.3	84
9	Estimating the total in-use stock of Laos using dynamic material flow analysis and nighttime light. <i>Resources, Conservation and Recycling</i> , 2021, 170, 105608.	5.3	12
10	The urbanisation-environment conflict: Insights from material stock and productivity of transport infrastructure in Hanoi, Vietnam. <i>Journal of Environmental Management</i> , 2021, 294, 113007.	3.8	19
11	Prospects for a saturation of humanityâ€™s resource use? An analysis of material stocks and flows in nine world regions from 1900 to 2035. <i>Global Environmental Change</i> , 2021, 71, 102410.	3.6	48
12	Uncertain Future of American Lithium: A Perspective until 2050. <i>Environmental Science & Technology</i> , 2021, 55, 16184-16194.	4.6	19
13	The rise and fall of American lithium. <i>Resources, Conservation and Recycling</i> , 2020, 162, 105034.	5.3	26
14	A spatiotemporal urban metabolism model for the Canberra suburb of Braddon in Australia. <i>Journal of Cleaner Production</i> , 2020, 265, 121770.	4.6	38
15	Lost Material Stock in Buildings due to Sea Level Rise from Global Warming: The Case of Fiji Islands. <i>Sustainability</i> , 2020, 12, 834.	1.6	15
16	Estimating the Material Stock of Roads: The Vietnamese Case Study. <i>Journal of Industrial Ecology</i> , 2019, 23, 663-673.	2.8	30
17	The expansion of the built environment, waste generation and EU recycling targets on Samothraki, Greece: An islandâ€™s dilemma. <i>Resources, Conservation and Recycling</i> , 2019, 150, 104405.	5.3	42
18	Estimation of Mining and Landfilling Activities with Associated Overburden through Satellite Data: Germany 2000â€“2010. <i>Resources</i> , 2019, 8, 126.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Data on the domestic processed output, balancing items, and solid waste potential for five major world economies. <i>Data in Brief</i> , 2019, 22, 662-675.	0.5	5
20	Extending or ending the life of residential buildings in Japan: A social circular economy approach to the problem of short-lived constructions. <i>Journal of Cleaner Production</i> , 2019, 231, 660-670.	4.6	52
21	Spatially explicit material stock analysis of buildings in Eastern China metropolises. <i>Resources, Conservation and Recycling</i> , 2019, 146, 45-54.	5.3	38
22	A spatial analysis of material stock accumulation and demolition waste potential of buildings: A case study of Padua. <i>Resources, Conservation and Recycling</i> , 2019, 142, 245-256.	5.3	86
23	Transferability of Material Composition Indicators for Residential Buildings: A Conceptual Approach Based on a German-Japanese Comparison. <i>Journal of Industrial Ecology</i> , 2019, 23, 796-807.	2.8	19
24	Anthropogenic Disturbance by Domestic Extraction of Gold Mining in Mongolia. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2019, 75, II_285-II_290.	0.1	0
25	Global Material Flows and Resource Productivity: Forty Years of Evidence. <i>Journal of Industrial Ecology</i> , 2018, 22, 827-838.	2.8	232
26	On the importance of linking inputs and outputs in material flow accounts. The Weight of Nations report revisited. <i>Journal of Cleaner Production</i> , 2018, 204, 334-343.	4.6	9
27	How important are realistic building lifespan assumptions for material stock and demolition waste accounts?. <i>Resources, Conservation and Recycling</i> , 2017, 122, 143-154.	5.3	82
28	Global socioeconomic material stocks rise 23-fold over the 20th century and require half of annual resource use. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1880-1885.	3.3	409
29	Modeling material flows and stocks of the road network in the United States 1905-2015. <i>Resources, Conservation and Recycling</i> , 2017, 127, 168-178.	5.3	62
30	Global Patterns and Trends for Non-Metallic Minerals used for Construction. <i>Journal of Industrial Ecology</i> , 2017, 21, 924-937.	2.8	80