Arne Geschke

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2009054/publications.pdf

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52	6,751	201575 27	168321 53
papers	citations	h-index	g-index

57	57	57	5428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BUILDING EORA: A GLOBAL MULTI-REGION INPUTâ€“OUTPUT DATABASE AT HIGH COUNTRY AND SECTOR RESOLUTION. Economic Systems Research, 2013, 25, 20-49.	1.2	991
2	International trade drives biodiversity threats in developing nations. Nature, 2012, 486, 109-112.	13.7	906
3	The carbon footprint of global tourism. Nature Climate Change, 2018, 8, 522-528.	8.1	828
4	Mapping the Structure of the World Economy. Environmental Science & Technology, 2012, 46, 8374-8381.	4.6	740
5	Decoupling global environmental pressure and economic growth: scenarios for energy use, materials use and carbon emissions. Journal of Cleaner Production, 2016, 132, 45-56.	4.6	382
6	International trade of scarce water. Ecological Economics, 2013, 94, 78-85.	2.9	363
7	Substantial nitrogen pollution embedded in international trade. Nature Geoscience, 2016, 9, 111-115.	5.4	288
8	International trade undermines national emission reduction targets: New evidence from air pollution. Global Environmental Change, 2014, 24, 52-59.	3.6	269
9	Global Material Flows and Resource Productivity: Forty Years of Evidence. Journal of Industrial Ecology, 2018, 22, 827-838.	2.8	232
10	Global socio-economic losses and environmental gains from the Coronavirus pandemic. PLoS ONE, 2020, 15, e0235654.	1.1	218
11	Frameworks for Comparing Emissions Associated with Production, Consumption, And International Trade. Environmental Science & Technology, 2012, 46, 172-179.	4.6	189
12	Compiling and using inputâ€“output frameworks through collaborative virtual laboratories. Science of the Total Environment, 2014, 485-486, 241-251.	3.9	151
13	Does ecologically unequal exchange occur?. Ecological Economics, 2013, 89, 177-186.	2.9	126
14	The Global MRIO Lab â€“ charting the world economy. Economic Systems Research, 2017, 29, 158-186.	1.2	74
15	Constructing a Time Series of Nested Multiregion Inputâ€“Output Tables. International Regional Science Review, 2017, 40, 476-499.	1.0	70
16	Assessing carbon footprints of cities under limited information. Journal of Cleaner Production, 2018, 176, 1254-1270.	4.6	70
17	Implementing the material footprint to measure progress towards Sustainable Development Goals 8 and 12. Nature Sustainability, 2022, 5, 157-166.	11.5	69
18	The carbon footprint of desalination. Desalination, 2019, 454, 71-81.	4.0	61

#	Article	IF	Citations
19	A metric for spatially explicit contributions to science-based species targets. Nature Ecology and Evolution, 2021, 5, 836-844.	3.4	61
20	New multi-regional inputâ€“output databases for Australia â€“ enabling timely and flexible regional analysis. Economic Systems Research, 2017, 29, 275-295.	1.2	59
21	Global consumption and international trade in deforestation-associated commodities could influence malaria risk. Nature Communications, 2020, 11, 1258.	5.8	50
22	Global Supply Chains of Coltan. Journal of Industrial Ecology, 2015, 19, 357-365.	2.8	46
23	Triple bottom line study of a lignocellulosic biofuel industry. GCB Bioenergy, 2016, 8, 96-110.	2.5	43
24	Economic damage and spillovers from a tropical cyclone. Natural Hazards and Earth System Sciences, 2019, 19, 137-151.	1.5	42
25	Virtual laboratories and MRIO analysis â€“ an introduction. Economic Systems Research, 2017, 29, 143-157.	1.2	36
26	INVESTIGATING ALTERNATIVE APPROACHES TO HARMONISE MULTI-REGIONAL INPUTâ€“OUTPUT DATA. Economic Systems Research, 2014, 26, 354-385.	1.2	32
27	Estimating industrial solid waste and municipal solid waste data at high resolution using economic accounts: an inputâ€“output approach with Australian case study. Journal of Material Cycles and Waste Management, 2016, 18, 677-686.	1.6	31
28	A practical approach for estimating weights of interacting criteria from profile sets. Fuzzy Sets and Systems, 2015, 272, 70-88.	1.6	29
29	A flexible multiregional inputâ€“output database for city-level sustainability footprint analysis in Japan. Resources, Conservation and Recycling, 2020, 154, 104588.	5.3	25
30	Consuming Childhoods: An Assessment of Child Labor's Role in Indian Production and Global Consumption. Journal of Industrial Ecology, 2016, 20, 611-622.	2.8	23
31	The Australian industrial ecology virtual laboratory and multi-scale assessment of buildings and construction. Energy and Buildings, 2018, 164, 14-20.	3.1	19
32	Supply-side carbon accounting and mitigation analysis for Beijing-Tianjin-Hebei urban agglomeration in China. Journal of Environmental Management, 2019, 248, 109243.	3.8	18
33	Thailandâ€™s energy-related carbon dioxide emissions from production-based and consumption-based perspectives. Energy Policy, 2019, 133, 110877.	4.2	18
34	Responsibility for food loss from a regional supply-chain perspective. Resources, Conservation and Recycling, 2019, 146, 373-383.	5.3	18
35	A NON-SIGN-PRESERVING RAS VARIANT. Economic Systems Research, 2014, 26, 197-208.	1.2	17
36	Consequences of long-term infrastructure decisionsâ€”the case of self-healing roads and their CO₂ emissions. Environmental Research Letters, 2019, 14, 114040.	2.2	17

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37	A CYCLING METHOD FOR CONSTRUCTING INPUTâ€“OUTPUT TABLE TIME SERIES FROM INCOMPLETE DATA. Economic Systems Research, 2012, 24, 413-432.	1.2	16
38	A flexible adaptation of the WIOD database in a virtual laboratory. Economic Systems Research, 2017, 29, 187-208.	1.2	16
39	Structural Change and the Environment. Journal of Industrial Ecology, 2012, 16, 623-635.	2.8	14
40	Using virtual laboratories for disaster analysis â€“ a case study of Taiwan. Economic Systems Research, 2020, 32, 58-83.	1.2	14
41	Environmental impacts of Australia's largest health system. Resources, Conservation and Recycling, 2021, 169, 105556.	5.3	14
42	Creating multiâ€scale nested MRIO tables for linking localized impacts to global consumption drivers. Journal of Industrial Ecology, 2022, 26, 281-293.	2.8	9
43	Quantifying and categorising national extinction-risk footprints. Scientific Reports, 2022, 12, 5861.	1.6	9
44	Balancing and reconciling large multi-regional inputâ€“output databases using parallel optimisation and high-performance computing. Journal of Economic Structures, 2019, 8, .	0.6	7
45	The PIOLab: Building global physical inputâ€“output tables in a virtual laboratory. Journal of Industrial Ecology, 2022, 26, 683-703.	2.8	7
46	The Virtual IELab â€“ an exercise in replicating part of the EXIOBASE V.2 production pipeline in a virtual laboratory. Economic Systems Research, 2017, 29, 209-233.	1.2	6
47	Sustainable development opportunities in small island nations: A case study of the Cook Islands. Journal of Cleaner Production, 2020, 277, 123045.	4.6	6
48	Social Impacts of International Trade on the Chinese Transport Sector. Journal of Industrial Ecology, 2016, 20, 603-610.	2.8	4
49	Quantifying carbon flows in Switzerland: top-down meets bottom-up modelling. Environmental Research Letters, 2021, 16, 014018.	2.2	4
50	Response to Hornborg et al.. Ecological Economics, 2015, 119, 419.	2.9	3
51	Carbon footprint and voting preferences of a council. Resources, Conservation and Recycling, 2022, 186, 106535.	5.3	1
52	The Eora MRIO. Journal of Life Cycle Assessment Japan, 2013, 9, 97-100.	0.0	0