

# Arne Geschke

## List of Publications by Year in descending order

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

Version: 2024-02-01

52  
papers

6,751  
citations

230014

27  
h-index

190340

53  
g-index

57  
all docs

57  
docs citations

57  
times ranked

6144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating multi-scale nested MRIO tables for linking localized impacts to global consumption drivers. <i>Journal of Industrial Ecology</i> , 2022, 26, 281-293.	2.8	9
2	The PIOLab: Building global physical input-output tables in a virtual laboratory. <i>Journal of Industrial Ecology</i> , 2022, 26, 683-703.	2.8	7
3	Quantifying and categorising national extinction-risk footprints. <i>Scientific Reports</i> , 2022, 12, 5861.	1.6	9
4	Implementing the material footprint to measure progress towards Sustainable Development Goals 8 and 12. <i>Nature Sustainability</i> , 2022, 5, 157-166.	11.5	69
5	Carbon footprint and voting preferences of a council. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106535.	5.3	1
6	Quantifying carbon flows in Switzerland: top-down meets bottom-up modelling. <i>Environmental Research Letters</i> , 2021, 16, 014018.	2.2	4
7	A metric for spatially explicit contributions to science-based species targets. <i>Nature Ecology and Evolution</i> , 2021, 5, 836-844.	3.4	61
8	Environmental impacts of Australia's largest health system. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105556.	5.3	14
9	Using virtual laboratories for disaster analysis – a case study of Taiwan. <i>Economic Systems Research</i> , 2020, 32, 58-83.	1.2	14
10	A flexible multiregional input-output database for city-level sustainability footprint analysis in Japan. <i>Resources, Conservation and Recycling</i> , 2020, 154, 104588.	5.3	25
11	Sustainable development opportunities in small island nations: A case study of the Cook Islands. <i>Journal of Cleaner Production</i> , 2020, 277, 123045.	4.6	6
12	Global consumption and international trade in deforestation-associated commodities could influence malaria risk. <i>Nature Communications</i> , 2020, 11, 1258.	5.8	50
13	Global socio-economic losses and environmental gains from the Coronavirus pandemic. <i>PLoS ONE</i> , 2020, 15, e0235654.	1.1	218
14	Supply-side carbon accounting and mitigation analysis for Beijing-Tianjin-Hebei urban agglomeration in China. <i>Journal of Environmental Management</i> , 2019, 248, 109243.	3.8	18
15	Thailand's energy-related carbon dioxide emissions from production-based and consumption-based perspectives. <i>Energy Policy</i> , 2019, 133, 110877.	4.2	18
16	Consequences of long-term infrastructure decisions—the case of self-healing roads and their CO <sub>2</sub> emissions. <i>Environmental Research Letters</i> , 2019, 14, 114040.	2.2	17
17	Balancing and reconciling large multi-regional input-output databases using parallel optimisation and high-performance computing. <i>Journal of Economic Structures</i> , 2019, 8, .	0.6	7
18	Economic damage and spillovers from a tropical cyclone. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 137-151.	1.5	42

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19	Responsibility for food loss from a regional supply-chain perspective. Resources, Conservation and Recycling, 2019, 146, 373-383.	5.3	18
20	The carbon footprint of desalination. Desalination, 2019, 454, 71-81.	4.0	61
21	The Australian industrial ecology virtual laboratory and multi-scale assessment of buildings and construction. Energy and Buildings, 2018, 164, 14-20.	3.1	19
22	Global Material Flows and Resource Productivity: Forty Years of Evidence. Journal of Industrial Ecology, 2018, 22, 827-838.	2.8	232
23	Assessing carbon footprints of cities under limited information. Journal of Cleaner Production, 2018, 176, 1254-1270.	4.6	70
24	The carbon footprint of global tourism. Nature Climate Change, 2018, 8, 522-528.	8.1	828
25	Constructing a Time Series of Nested Multiregion Input-Output Tables. International Regional Science Review, 2017, 40, 476-499.	1.0	70
26	The Virtual IELab - 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
27	New multi-regional input-output databases for Australia - enabling timely and flexible regional analysis. Economic Systems Research, 2017, 29, 275-295.	1.2	59
28	Virtual laboratories and MRIO analysis - an introduction. Economic Systems Research, 2017, 29, 143-157.	1.2	36
29	The Global MRIO Lab - charting the world economy. Economic Systems Research, 2017, 29, 158-186.	1.2	74
30	A flexible adaptation of the WIOD database in a virtual laboratory. Economic Systems Research, 2017, 29, 187-208.	1.2	16
31	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
32	Triple bottom line study of a lignocellulosic biofuel industry. GCB Bioenergy, 2016, 8, 96-110.	2.5	43
33	Social Impacts of International Trade on the Chinese Transport Sector. Journal of Industrial Ecology, 2016, 20, 603-610.	2.8	4
34	Estimating industrial solid waste and municipal solid waste data at high resolution using economic accounts: an input-output approach with Australian case study. Journal of Material Cycles and Waste Management, 2016, 18, 677-686.	1.6	31
35	Substantial nitrogen pollution embedded in international trade. Nature Geoscience, 2016, 9, 111-115.	5.4	288
36	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

#	ARTICLE	IF	CITATIONS
37	A practical approach for estimating weights of interacting criteria from profile sets. Fuzzy Sets and Systems, 2015, 272, 70-88.	1.6	29
38	Global Supply Chains of Coltan. Journal of Industrial Ecology, 2015, 19, 357-365.	2.8	46
39	Response to Hornborg et al.. Ecological Economics, 2015, 119, 419.	2.9	3
40	INVESTIGATING ALTERNATIVE APPROACHES TO HARMONISE MULTI-REGIONAL INPUT-OUTPUT DATA. Economic Systems Research, 2014, 26, 354-385.	1.2	32
41	Compiling and using input-output frameworks through collaborative virtual laboratories. Science of the Total Environment, 2014, 485-486, 241-251.	3.9	151
42	A NON-SIGN-PRESERVING RAS VARIANT. Economic Systems Research, 2014, 26, 197-208.	1.2	17
43	International trade undermines national emission reduction targets: New evidence from air pollution. Global Environmental Change, 2014, 24, 52-59.	3.6	269
44	Does ecologically unequal exchange occur?. Ecological Economics, 2013, 89, 177-186.	2.9	126
45	International trade of scarce water. Ecological Economics, 2013, 94, 78-85.	2.9	363
46	BUILDING EORA: A GLOBAL MULTI-REGION INPUT-OUTPUT DATABASE AT HIGH COUNTRY AND SECTOR RESOLUTION. Economic Systems Research, 2013, 25, 20-49.	1.2	991
47	The Eora MRIO. Journal of Life Cycle Assessment Japan, 2013, 9, 97-100.	0.0	0
48	A CYCLING METHOD FOR CONSTRUCTING INPUT-OUTPUT TABLE TIME SERIES FROM INCOMPLETE DATA. Economic Systems Research, 2012, 24, 413-432.	1.2	16
49	Structural Change and the Environment. Journal of Industrial Ecology, 2012, 16, 623-635.	2.8	14
50	Mapping the Structure of the World Economy. Environmental Science & Technology, 2012, 46, 8374-8381.	4.6	740
51	Frameworks for Comparing Emissions Associated with Production, Consumption, And International Trade. Environmental Science & Technology, 2012, 46, 172-179.	4.6	189
52	International trade drives biodiversity threats in developing nations. Nature, 2012, 486, 109-112.	18.7	906