

# Nina Eisenmenger

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

4,358  
citations

236612

25  
h-index

395343

33  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth in global materials use, GDP and population during the 20th century. <i>Ecological Economics</i> , 2009, 68, 2696-2705.	2.9	873
2	EXIOBASE 3: Developing a Time Series of Detailed Environmentally Extended Multi-Regional Input-Output Tables. <i>Journal of Industrial Ecology</i> , 2018, 22, 502-515.	2.8	514
3	Global patterns of materials use: A socioeconomic and geophysical analysis. <i>Ecological Economics</i> , 2010, 69, 1148-1158.	2.9	271
4	Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. <i>Nature Ecology and Evolution</i> , 2019, 3, 628-637.	3.4	265
5	The global metabolic transition: Regional patterns and trends of global material flows, 1950-2010. <i>Global Environmental Change</i> , 2014, 26, 87-97.	3.6	264
6	The physical economy of the European Union: Cross-country comparison and determinants of material consumption. <i>Ecological Economics</i> , 2006, 58, 676-698.	2.9	232
7	Global Material Flows and Resource Productivity: Forty Years of Evidence. <i>Journal of Industrial Ecology</i> , 2018, 22, 827-838.	2.8	232
8	The Global Sociometabolic Transition. <i>Journal of Industrial Ecology</i> , 2008, 12, 637-656.	2.8	218
9	Maintenance and Expansion: Modeling Material Stocks and Flows for Residential Buildings and Transportation Networks in the EU25. <i>Journal of Industrial Ecology</i> , 2015, 19, 538-551.	2.8	174
10	The Sustainable Development Goals prioritize economic growth over sustainable resource use: a critical reflection on the SDGs from a socio-ecological perspective. <i>Sustainability Science</i> , 2020, 15, 1101-1110.	2.5	166
11	Energy use and economic development: A comparative analysis of useful work supply in Austria, Japan, the United Kingdom and the US during 100 years of economic growth. <i>Ecological Economics</i> , 2010, 69, 1904-1917.	2.9	127
12	Material Flow Accounting: Measuring Global Material Use for Sustainable Development. <i>Annual Review of Environment and Resources</i> , 2017, 42, 647-675.	5.6	108
13	Cropland area embodied in international trade: Contradictory results from different approaches. <i>Ecological Economics</i> , 2014, 104, 140-144.	2.9	95
14	International Trade Drives Global Resource Use: A Structural Decomposition Analysis of Raw Material Consumption from 1990-2010. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4190-4198.	4.6	86
15	Consumption-based Material Flow Accounting. <i>Journal of Industrial Ecology</i> , 2014, 18, 102-112.	2.8	56
16	Trading Land: A Review of Approaches to Accounting for Upstream Land Requirements of Traded Products. <i>Journal of Industrial Ecology</i> , 2015, 19, 703-714.	2.8	55
17	The Energetic Metabolism of the European Union and the United States: Decadal Energy Input Time-Series with an Emphasis on Biomass. <i>Journal of Industrial Ecology</i> , 2008, 10, 151-171.	2.8	49
18	Global patterns of metal extractivism, 1950-2010: Providing the bones for the industrial society's skeleton. <i>Ecological Economics</i> , 2016, 122, 101-110.	2.9	48

#	ARTICLE	IF	CITATIONS
19	Consumption-based material flow indicators – Comparing six ways of calculating the Austrian raw material consumption providing six results. <i>Ecological Economics</i> , 2016, 128, 177-186.	2.9	46
20	The impacts of data deviations between MRIO models on material footprints: A comparison of EXIOBASE, Eora, and ICIO. <i>Journal of Industrial Ecology</i> , 2019, 23, 946-958.	2.8	42
21	Regional Patterns in Global Resource Extraction. <i>Journal of Industrial Ecology</i> , 2008, 10, 133-147.	2.8	40
22	Resource Use in Small Island States. <i>Journal of Industrial Ecology</i> , 2014, 18, 294-305.	2.8	38
23	Australia's Resource Use Trajectories. <i>Journal of Industrial Ecology</i> , 2008, 12, 669-685.	2.8	33
24	Raw Material Equivalents: The Challenges of Accounting for Sustainability in a Globalized World. <i>Sustainability</i> , 2015, 7, 5345-5370.	1.6	28
25	Towards a Conceptual Framework for Social-Ecological Systems Integrating Biodiversity and Ecosystem Services with Resource Efficiency Indicators. <i>Sustainability</i> , 2016, 8, 201.	1.6	23
26	What Drives Austrian Raw Material Consumption?: A Structural Decomposition Analysis for the Years 1995 to 2007. <i>Journal of Industrial Ecology</i> , 2015, 19, 814-824.	2.8	20
27	Transitions in Sociometabolic Regimes Throughout Human History. , 2016, , 63-92.		18
28	Do material efficiency improvements backfire?: Insights from an index decomposition analysis about the link between CO <sub>2</sub> emissions and material use for Austria. <i>Journal of Industrial Ecology</i> , 2021, 25, 511-522.	2.8	18
29	Trends in Austrian Resource Efficiency: An Exergy and Useful Work Analysis in Comparison to Material Use, CO <sub>2</sub> Emissions, and Land Use. <i>Journal of Industrial Ecology</i> , 2017, 21, 1250-1261.	2.8	17
30	Supply versus use designs of environmental extensions in input–output analysis: Conceptual and empirical implications for the case of energy. <i>Journal of Industrial Ecology</i> , 2020, 24, 548-563.	2.8	16
31	How unequal is international trade? An ecological perspective using Material Flow Accounting (MFA). <i>Journal Fur Entwicklungspolitik</i> , 2010, 26, 57-88.	0.3	13
32	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
33	Global trends and patterns in material use. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1545, 1.	0.1	4
34	More Than the Sum of Its Parts: Patterns in Global Material Flows. , 2016, , 217-237.		2
35	Transition in a Contemporary Context: Patterns of Development in a Globalizing World. , 2007, , .		2
36	Boundary Issues: Calculating National Material Use for a Globalized World. , 2016, , 239-258.		1

#	ARTICLE	IF	CITATIONS
37	Material Stocks and Sustainable Development. , 2016, , 277-291.		1
38	Reply to: Soils need to be considered when assessing the impacts of land-use change on carbon sequestration. Nature Ecology and Evolution, 2019, 3, 1643-1644.	3.4	0