Ester van der Voet

List of Publications by Year
in descending order

67 papers	4,489 citations	101543 36 h-index	106344 65 g-index
67 all docs	67 docs citations	67 times ranked	3991 citing authors

#	Article	IF	Citations
1	Towards a low-carbon and circular economy: Scenarios for metal stocks and flows in the Dutch electricity system. Resources, Conservation and Recycling, 2022, 178, 106105.	10.8	13
2	Material requirements for low-carbon energy technologies: A quantitative review. Renewable and Sustainable Energy Reviews, 2022, 161, 112334.	16.4	44
3	Assessing Chinaâ€™s potential for reducing primary copper demand and associated environmental impacts in the context of energy transition and â€œZero wasteâ€•policies. Waste Management, 2022, 144, 454-467.	7.4	10
4	Transitioning to Low-Carbon Residential Heating: The Impacts of Material-Related Emissions. Environmental Science & Technology, 2022, 56, 8561-8570.	10.0	5
5	Alternatives for naturalâ€gasâ€based heating systems: A quantitative GISâ€based analysis of climate impacts and financial feasibility. Journal of Industrial Ecology, 2021, 25, 219-232.	5.5	5
6	Matching Demolition and Construction Material Flows, an Urban Mining Case Study. Sustainability, 2021, 13, 653.	3.2	19
7	Methodology to prospect electronics compositions and flows, illustrated by material trends in printed circuit boards. Journal of Cleaner Production, 2021, 307, 127164.	9.3	7
8	Modelling global material stocks and flows for residential and service sector buildings towards 2050. Journal of Cleaner Production, 2020, 245, 118658.	9.3	98
9	Global construction materials database and stock analysis of residential buildings between 1970-2050. Journal of Cleaner Production, 2020, 247, 119146.	9.3	80
10	Assessing the future environmental impacts of copper production in China: Implications of the energy transition. Journal of Cleaner Production, 2020, 274, 122825.	9.3	58
11	Scenarios for anthropogenic copper demand and supply in China: implications of a scrap import ban and a circular economy transition. Resources, Conservation and Recycling, 2020, 161, 104943.	10.8	32
12	Modeling copper demand in China up to 2050: A businessâ€asâ€usual scenario based on dynamic stock and flow analysis. Journal of Industrial Ecology, 2019, 23, 1363-1380.	5.5	56
13	Environmental Implications of Future Demand Scenarios for Metals: Methodology and Application to the Case of Seven Major Metals. Journal of Industrial Ecology, 2019, 23, 141-155.	5.5	104
14	Assessing environmental implications associated with global copper demand and supply scenarios from 2010 to 2050. Global Environmental Change, 2018, 49, 106-115.	7.8	77
15	Estimating global copper demand until 2100 with regression and stock dynamics. Resources, Conservation and Recycling, 2018, 132, 28-36.	10.8	157
16	Scenarios for Demand Growth of Metals in Electricity Generation Technologies, Cars, and Electronic Appliances. Environmental Science & Technology, 2018, 52, 4950-4959.	10.0	137
17	Deriving European Tantalum Flows Using Trade and Production Statistics. Journal of Industrial Ecology, 2018, 22, 166-179.	5.5	21
18	Resource nexus perspectives towards the United Nations Sustainable Development Goals. Nature Sustainability, 2018, 1, 737-743.	23.7	236

#	Article	IF	Citations
19	Strategic design of long-term climate policy instrumentations, with exemplary EU focus. Climate Policy, 2017, 17, S8-S31.	5.1	5
20	How to deal with the rebound effect? A policy-oriented approach. Energy Policy, 2016, 94, 114-125.	8.8	175
21	The foundations of the environmental rebound effect and its contribution towards a general framework. Ecological Economics, 2016, 125, 60-69.	5.7	84
22	The relativity of eco-innovation: environmental rebound effects from past transport innovations in Europe. Journal of Cleaner Production, 2015, 101, 71-85.	9.3	65
23	The rebound effect through industrial ecologyâ€™s eyes: a review of LCA-based studies. International Journal of Life Cycle Assessment, 2014, 19, 1933-1947.	4.7	79
24	The Remarkable Environmental Rebound Effect of Electric Cars: A Microeconomic Approach. Environmental Science & Technology, 2014, 48, 12063-12072.	10.0	70
25	Long-Term Prospects for the Environmental Profile of Advanced Sugar Cane Ethanol. Environmental Science & Technology, 2014, 48, 12394-12402.	10.0	14
26	Using LCAâ€based Decomposition Analysis to Study the Multidimensional Contribution of Technological Innovation to Environmental Pressures. Journal of Industrial Ecology, 2014, 18, 380-392.	5.5	28
27	Composting, anaerobic digestion and biochar production in Ghana. Environmentalâ€“economic assessment in the context of voluntary carbon markets. Waste Management, 2014, 34, 2454-2465.	7.4	48
28	Metabolic Side Effects of Transitions. Journal of Industrial Ecology, 2011, 15, 646-648.	5.5	0
29	Freely Disposable Time: A Time and Money Integrated Measure of Poverty and Freedom. World Development, 2011, 39, 2055-2068.	4.9	11
30	Metal requirements of low-carbon power generation. Energy, 2011, 36, 5640-5648.	8.8	181
31	Eco-efficiency for greenhouse gas emissions mitigation of municipal solid waste management: A case study of Tianjin, China. Waste Management, 2011, 31, 1407-1415.	7.4	45
32	Life cycle assessment of switchgrass-derived ethanol as transport fuel. International Journal of Life Cycle Assessment, 2010, 15, 468-477.	4.7	110
33	Iron and steel in Chinese residential buildings: A dynamic analysis. Resources, Conservation and Recycling, 2010, 54, 591-600.	10.8	132
34	Resource constraints in a hydrogen economy based on renewable energy sources: An exploration. Renewable and Sustainable Energy Reviews, 2010, 14, 2784-2795.	16.4	141
35	Dynamic Material Flow Analysis for Strategic Construction and Demolition Waste Management in Beijing. Journal of Industrial Ecology, 2010, 14, 440-456.	5.5	120
36	Dynamics of urban and rural housing stocks in China. Building Research and Information, 2010, 38, 301-317.	3.9	93

#	Article	IF	Citations
37	Life-cycle assessment of biofuels, convergence and divergence. Biofuels, 2010, 1, 435-449.	2.4	86
38	Life cycle assessment of municipal solid waste management with regard to greenhouse gas emissions: Case study of Tianjin, China. Science of the Total Environment, 2009, 407, 1517-1526.	8.0	186
39	Comparative life cycle assessments of incineration and non-incineration treatments for medical waste. International Journal of Life Cycle Assessment, 2009, 14, 114-121.	4.7	62
40	A greenhouse gas indicator for bioenergy: some theoretical issues with practical implications. International Journal of Life Cycle Assessment, 2009, 14, 328-339.	4.7	72
41	Allocation issues in LCA methodology: a case study of corn stover-based fuel ethanol. International Journal of Life Cycle Assessment, 2009, 14, 529-539.	4.7	236
42	Implementing the Results of Material Flow Analysis. Journal of Industrial Ecology, 2009, 13, 643-649.	5.5	31
43	Long-term consequences of non-intentional flows of substances: Modelling non-intentional flows of lead in the Dutch economic system and evaluating their environmental consequences. Waste Management, 2009, 29, 1916-1928.	7.4	18
44	Life cycle assessment and life cycle costing of bioethanol from sugarcane in Brazil. Renewable and Sustainable Energy Reviews, 2009, 13, 1613-1619.	16.4	242
45	An energy analysis of ethanol from cellulosic feedstockâ€“Corn stover. Renewable and Sustainable Energy Reviews, 2009, 13, 2003-2011.	16.4	130
46	The need for combining IEA and IE tools: The potential effects of a global ban on PVC on climate change. Ecological Economics, 2008, 65, 266-281.	5.7	11
47	Wachstum ohne Umweltverbrauch? Entkopplung und Dematerialisierung als Trends. , 2008, , 202-217.		1
48	Risks to health and environment of the use of lead in products in the EU. Resources, Conservation and Recycling, 2006, 49, 89-109.	10.8	31
49	Human and Ecological Life Cycle Tools for the Integrated Assessment of Systems (HELIAS). International Journal of Life Cycle Assessment, 2006, 11, 19-28.	4.7	7
50	Dematerialization: Not Just a Matter of Weight. Journal of Industrial Ecology, 2004, 8, 121-137.	5.5	106
51	The environmental and economic consequences of the developments of lead stocks in the Dutch economic system. Resources, Conservation and Recycling, 2004, 42, 133-154.	10.8	69
52	Side effects of categorized environmental measures and their implications for impact analysis. Environmental Science and Policy, 2003, 6, 167-174.	4.9	14
53	Predicting future emissions based on characteristics of stocks. Ecological Economics, 2002, 41, 223-234.	5.7	107
54	Dynamic substance flow analysis: the delaying mechanism of stocks, with the case of PVC in Sweden. Ecological Economics, 2000, 32, 241-254.	5.7	145

#	Article	IF	Citations
55	Material flows and economic models: an analytical comparison of SFA, LCA and partial equilibrium models. Ecological Economics, 2000, 32, 195-216.	5.7	147
56	Full Mode and Attribution Mode in Environmental Analysis. Journal of Industrial Ecology, 2000, 4, 45-56.	5.5	33
57	Books: Our Ecological Footprint: Reducing Human Impact on the Earth. Journal of Industrial Ecology, 1999, 3, 185-187.	5.5	10
58	Using SFA indicators to support environmental policy. Environmental Science and Pollution Research, 1999, 6, 49-58.	5.3	19
59	Chlorine in the Netherlands, Part I, An Overview. Journal of Industrial Ecology, 1997, 1, 95-116.	5.5	27
60	Chlorine in the Netherlands, Part II: Risk Management in Uncertainty for Chlorine. Journal of Industrial Ecology, 1997, 1, 91-110.	5.5	10
61	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1997, 4, 112-112.	5.3	2
62	Nitrogen pollution in the European Union â€“ origins and proposed solutions. Environmental Conservation, 1996, 23, 120-132.	1.3	37
63	Nitrogen pollution in the European Union â€“ an economy-environment confrontation. Environmental Conservation, 1996, 23, 198-206.	1.3	4
64	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1995, 2, 89-89.	5.3	21
65	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1995, 2, 137-144.	5.3	39
66	Economic characteristics of chemicals as a basis for pollutants policy. Ecological Economics, 1995, 13, 11-26.	5.7	5
67	Controlling substance flows: The case of chlorine. Environmental Management, 1994, 18, 523-542.	2.7	21