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	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
2	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
3	Resource nexus perspectives towards the United Nations Sustainable Development Goals. Nature Sustainability, 2018, 1, 737-743.	23.7	236
4	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
5	Metal requirements of low-carbon power generation. Energy, 2011, 36, 5640-5648.	8.8	181
6	How to deal with the rebound effect? A policy-oriented approach. Energy Policy, 2016, 94, 114-125.	8.8	175
7	Estimating global copper demand until 2100 with regression and stock dynamics. Resources, Conservation and Recycling, 2018, 132, 28-36.	10.8	157
8	Material flows and economic models: an analytical comparison of SFA, LCA and partial equilibrium models. Ecological Economics, 2000, 32, 195-216.	5.7	147
9	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
10	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
11	Scenarios for Demand Growth of Metals in Electricity Generation Technologies, Cars, and Electronic Appliances. Environmental Science & Technology, 2018, 52, 4950-4959.	10.0	137
12	Iron and steel in Chinese residential buildings: A dynamic analysis. Resources, Conservation and Recycling, 2010, 54, 591-600.	10.8	132
13	An energy analysis of ethanol from cellulosic feedstockâ€“Corn stover. Renewable and Sustainable Energy Reviews, 2009, 13, 2003-2011.	16.4	130
14	Dynamic Material Flow Analysis for Strategic Construction and Demolition Waste Management in Beijing. Journal of Industrial Ecology, 2010, 14, 440-456.	5.5	120
15	Life cycle assessment of switchgrass-derived ethanol as transport fuel. International Journal of Life Cycle Assessment, 2010, 15, 468-477.	4.7	110
16	Predicting future emissions based on characteristics of stocks. Ecological Economics, 2002, 41, 223-234.	5.7	107
17	Dematerialization: Not Just a Matter of Weight. Journal of Industrial Ecology, 2004, 8, 121-137.	5.5	106
18	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

#	Article	IF	Citations
19	Modelling global material stocks and flows for residential and service sector buildings towards 2050. Journal of Cleaner Production, 2020, 245, 118658.	9.3	98
20	Dynamics of urban and rural housing stocks in China. Building Research and Information, 2010, 38, 301-317.	3.9	93
21	Life-cycle assessment of biofuels, convergence and divergence. Biofuels, 2010, 1, 435-449.	2.4	86
22	The foundations of the environmental rebound effect and its contribution towards a general framework. Ecological Economics, 2016, 125, 60-69.	5.7	84
23	Global construction materials database and stock analysis of residential buildings between 1970-2050. Journal of Cleaner Production, 2020, 247, 119146.	9.3	80
24	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
25	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
26	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
27	The Remarkable Environmental Rebound Effect of Electric Cars: A Microeconomic Approach. Environmental Science & Technology, 2014, 48, 12063-12072.	10.0	70
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Material requirements for low-carbon energy technologies: A quantitative review. Renewable and Sustainable Energy Reviews, 2022, 161, 112334.	16.4	44
36	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1995, 2, 137-144.	5.3	39

#	Article	IF	Citations
37	Nitrogen pollution in the European Union â€“ origins and proposed solutions. Environmental Conservation, 1996, 23, 120-132.	1.3	37
38	Full Mode and Attribution Mode in Environmental Analysis. Journal of Industrial Ecology, 2000, 4, 45-56.	5.5	33
39	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
40	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
41	Implementing the Results of Material Flow Analysis. Journal of Industrial Ecology, 2009, 13, 643-649.	5.5	31
42	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
43	Chlorine in the Netherlands, Part I, An Overview. Journal of Industrial Ecology, 1997, 1, 95-116.	5.5	27
44	Controlling substance flows: The case of chlorine. Environmental Management, 1994, 18, 523-542.	2.7	21
45	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1995, 2, 89-89.	5.3	21
46	Deriving European Tantalum Flows Using Trade and Production Statistics. Journal of Industrial Ecology, 2018, 22, 166-179.	5.5	21
47	Using SFA indicators to support environmental policy. Environmental Science and Pollution Research, 1999, 6, 49-58.	5.3	19
48	Matching Demolition and Construction Material Flows, an Urban Mining Case Study. Sustainability, 2021, 13, 653.	3.2	19
49	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
50	Side effects of categorized environmental measures and their implications for impact analysis. Environmental Science and Policy, 2003, 6, 167-174.	4.9	14
51	Long-Term Prospects for the Environmental Profile of Advanced Sugar Cane Ethanol. Environmental Science & Technology, 2014, 48, 12394-12402.	10.0	14
52	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
53	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
54	Freely Disposable Time: A Time and Money Integrated Measure of Poverty and Freedom. World Development, 2011, 39, 2055-2068.	4.9	11

#	Article	IF	Citations
55	Chlorine in the Netherlands, Part II: Risk Management in Uncertainty for Chlorine. Journal of Industrial Ecology, 1997, 1, 91-110.	5.5	10
56	Books: Our Ecological Footprint: Reducing Human Impact on the Earth. Journal of Industrial Ecology, 1999, 3, 185-187.	5.5	10
57	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
58	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
59	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
60	Economic characteristics of chemicals as a basis for pollutants policy. Ecological Economics, 1995, 13, 11-26.	5.7	5
61	Strategic design of long-term climate policy instrumentations, with exemplary EU focus. Climate Policy, 2017, 17, S8-S31.	5.1	5
62	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
63	Transitioning to Low-Carbon Residential Heating: The Impacts of Material-Related Emissions. Environmental Science & Technology, 2022, 56, 8561-8570.	10.0	5
64	Nitrogen pollution in the European Union â€“ an economy-environment confrontation. Environmental Conservation, 1996, 23, 198-206.	1.3	4
65	Substance flows through the economy and environment of a region. Environmental Science and Pollution Research, 1997, 4, 112-112.	5.3	2
66	Wachstum ohne Umweltverbrauch? Entkopplung und Dematerialisierung als Trends. , 2008, , 202-217.		1
67	Metabolic Side Effects of Transitions. Journal of Industrial Ecology, 2011, 15, 646-648.	5.5	0