Sebastiaan Deetman

List of Publications by Year
in descending order

26 papers	1,962 citations	430754 18 h-index	580701 25 g-index
27 all docs	27 docs citations	27 times ranked	2829 citing authors

#	Article	IF	Citations
1	RCP2.6: exploring the possibility to keep global mean temperature increase below 2Â°C. Climatic Change, 2011, 109, 95-116.	1.7	759
2	The role of negative CO2 emissions for reaching 2ÂÂ°Câ€"insights from integrated assessment modelling. Climatic Change, 2013, 118, 15-27.	1.7	159
3	Scenarios for Demand Growth of Metals in Electricity Generation Technologies, Cars, and Electronic Appliances. Environmental Science & Technology, 2018, 52, 4950-4959.	4.6	137
4	When the Background Matters: Using Scenarios from Integrated Assessment Models in Prospective Life Cycle Assessment. Journal of Industrial Ecology, 2020, 24, 64-79.	2.8	134
5	Modelling global material stocks and flows for residential and service sector buildings towards 2050. Journal of Cleaner Production, 2020, 245, 118658.	4.6	98
6	Global greenhouse gas emissions from residential and commercial building materials and mitigation strategies to 2060. Nature Communications, 2021, 12, 6126.	5.8	92
7	Resilience in the tantalum supply chain. Resources, Conservation and Recycling, 2018, 129, 56-69.	5.3	86
8	Global construction materials database and stock analysis of residential buildings between 1970-2050. Journal of Cleaner Production, 2020, 247, 119146.	4.6	80
9	Global travel within the 2Â°C climate target. Energy Policy, 2012, 45, 152-166.	4.2	74
10	Scenarios for a 2ÂÂ°C world: a trade-linked inputâ€"output model with high sector detail. Climate Policy, 2016, 16, 301-317.	2.6	46
11	Exploring synergies between climate and air quality policies using long-term global and regional emission scenarios. Atmospheric Environment, 2016, 140, 577-591.	1.9	45
12	Projected material requirements for the global electricity infrastructure â€" generation, transmission and storage. Resources, Conservation and Recycling, 2021, 164, 105200.	5.3	35
13	Implications of greenhouse gas emission mitigation scenarios for the main Asian regions. Energy Economics, 2012, 34, S459-S469.	5.6	26
14	The impact of technology availability on the timing and costs of emission reductions for achieving long-term climate targets. Climatic Change, 2014, 123, 559-569.	1.7	26
15	Increasing material efficiencies of buildings to address the global sand crisis. Nature Sustainability, 2022, 5, 389-392.	11.5	26
16	Deep greenhouse gas emission reductions in Europe: Exploring different options. Energy Policy, 2013, 55, 152-164.	4.2	24
17	Deriving European Tantalum Flows Using Trade and Production Statistics. Journal of Industrial Ecology, 2018, 22, 166-179.	2.8	21
18	Implications of alternative assumptions regarding future air pollution control in scenarios similar to the Representative Concentration Pathways. Atmospheric Environment, 2013, 79, 787-801.	1.9	20

#	Article	IF	Citations
19	Deep CO₂emission reductions in a global bottom-up model approach. Climate Policy, 2015, 15, 253-271.	2.6	15
20	Unraveling the Nexus: Exploring the Pathways to Combined Resource Use. Journal of Industrial Ecology, 2019, 23, 241-252.	2.8	13
21	The evolution and future perspectives of energy intensity in the global building sector 1971â€“2060. Journal of Cleaner Production, 2021, 305, 127098.	4.6	12
22	Regional differences in mitigation strategies: an example for passenger transport. Regional Environmental Change, 2015, 15, 987-995.	1.4	6
23	Global distribution of material inflows to inâ€use stocks in 2011 and its implications for a circularity transition. Journal of Industrial Ecology, 2021, 25, 1447-1461.	2.8	6
24	Strategic design of long-term climate policy instrumentations, with exemplary EU focus. Climate Policy, 2017, 17, S8-S31.	2.6	5
25	Disentangling the ranges: climate policy scenarios for China and India. Regional Environmental Change, 2015, 15, 1025-1033.	1.4	4
26	Instrumentation Strategies and Instrument Mixes for Long Term Climate Policy. SSRN Electronic Journal, 2015, , .	0.4	0