Lena HÃ¶glund-Isaksson

List of Publications by Year
in descending order

36 papers	5,215 citations	304743 22 h-index	377865 34 g-index
51 all docs	51 docs citations	51 times ranked	7338 citing authors

#	Article	IF	Citations
1	The Global Methane Budget 2000â€“2017. Earth System Science Data, 2020, 12, 1561-1623.	9.9	1,199
2	Simultaneously Mitigating Near-Term Climate Change and Improving Human Health and Food Security. Science, 2012, 335, 183-189.	12.6	1,107
3	The global methane budget 2000â€“2012. Earth System Science Data, 2016, 8, 697-751.	9.9	824
4	Cost-effective control of air quality and greenhouse gases in Europe: Modeling and policy applications. Environmental Modelling and Software, 2011, 26, 1489-1501.	4.5	578
5	Scenarios of global anthropogenic emissions of air pollutants and methane until 2030. Atmospheric Environment, 2007, 41, 8486-8499.	4.1	206
6	Global anthropogenic methane emissions 2005â€“2030: technical mitigation potentials and costs. Atmospheric Chemistry and Physics, 2012, 12, 9079-9096.	4.9	103
7	Technical potentials and costs for reducing global anthropogenic methane emissions in the 2050 timeframe â€“results from the GAINS model. Environmental Research Communications, 2020, 2, 025004.	2.3	96
8	Variability and quasi-decadal changes in the methane budget over the period 2000â€“2012. Atmospheric Chemistry and Physics, 2017, 17, 11135-11161.	4.9	85
9	The public health implications of the Paris Agreement: a modelling study. Lancet Planetary Health, The, 2021, 5, e74-e83.	11.4	85
10	Refunded emission payments theory, distribution of costs, and Swedish experience of NOx abatement. Ecological Economics, 2006, 57, 93-106.	5.7	81
11	Technical opportunities to reduce global anthropogenic emissions of nitrous oxide. Environmental Research Letters, 2018, 13, 014011.	5.2	74
12	Reducing global air pollution: the scope for further policy interventions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190331.	3.4	70
13	Global emissions of fluorinated greenhouse gases 2005â€“2050 with abatement potentials and costs. Atmospheric Chemistry and Physics, 2017, 17, 2795-2816.	4.9	60
14	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. Nature Geoscience, 2018, 11, 178-184.	12.9	56
15	Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. Environmental Science and Policy, 2017, 75, 138-147.	4.9	52
16	Bottom-up simulations of methane and ethane emissions from global oil and gas systems 1980 to 2012. Environmental Research Letters, 2017, 12, 024007.	5.2	50
17	Air qualityâ€“carbonâ€“water synergies and trade-offs in Chinaâ€™s natural gas industry. Nature Sustainability, 2018, 1, 505-511.	23.7	49
18	EU low carbon roadmap 2050: Potentials and costs for mitigation ofÂnon-CO2 greenhouse gas emissions. Energy Strategy Reviews, 2012, 1, 97-108.	7.3	47

#	Article	IF	Citations
19	Abatement costs in response to the Swedish charge on nitrogen oxide emissions. Journal of Environmental Economics and Management, 2005, 50, 102-120.	4.7	43
20	Long-term marginal abatement cost curves of non-CO2 greenhouse gases. Environmental Science and Policy, 2019, 99, 136-149.	4.9	40
21	Sectoral marginal abatement cost curves: implications for mitigation pledges and air pollution co-benefits for Annex I countries. Sustainability Science, 2012, 7, 169-184.	4.9	34
22	European anthropogenic AFOLU greenhouse gas emissions: a review and benchmark data. Earth System Science Data, 2020, 12, 961-1001.	9.9	31
23	Electricity savings and greenhouse gas emission reductions from global phase-down of hydrofluorocarbons. Atmospheric Chemistry and Physics, 2020, 20, 11305-11327.	4.9	26
24	Tracing the climate signal: mitigation of anthropogenic methane emissions can outweigh a large Arctic natural emission increase. Scientific Reports, 2019, 9, 1146.	3.3	22
25	The Contribution of Non-CO2 Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. Energies, 2017, 10, 602.	3.1	21
26	Anthropogenic emission is the main contributor to the rise of atmospheric methane during 1993â€“2017. National Science Review, 2022, 9, nwab200.	9.5	20
27	Achieving Paris climate goals calls for increasing ambition of the Kigali Amendment. Nature Climate Change, 2022, 12, 339-342.	18.8	20
28	Carbon in global waste and wastewater flows â€“ its potential as energy source under alternative future waste management regimes. Advances in Geosciences, 0, 45, 105-113.	12.0	18
29	The consolidated European synthesis of CH₄ and N₂O emissions for the European Union and United Kingdom: 1990â€“2017. Earth System Science Data, 2021, 13, 2307-2362.	9.9	16
30	Co-benefits of Energy-Efficient Air Conditioners in the Residential Building Sector of China. Environmental Science & Technology, 2020, 54, 13217-13227.	10.0	14
31	Trifluoroacetic acid deposition from emissions of HFO-1234yf in India, China, and the Middle East. Atmospheric Chemistry and Physics, 2021, 21, 14833-14849.	4.9	12
32	Emission mitigation potentials and costs for non-CO2greenhouse gases in Annex-I countries according to the GAINS model. Journal of Integrative Environmental Sciences, 2010, 7, 235-243.	2.5	9
33	Sustainable wastewater management in Indonesia's fish processing industry: Bringing governance into scenario analysis. Journal of Environmental Management, 2020, 275, 111241.	7.8	8
34	Data for long-term marginal abatement cost curves of non-CO2 greenhouse gases. Data in Brief, 2019, 25, 104334.	1.0	6
35	How much multilateralism do we need? Effectiveness of unilateral agricultural mitigation efforts in the global context. Environmental Research Letters, 2021, 16, 104038.	5.2	4
36	Mitigation Efforts Calculator (MEC). , 2010, , .		0