Lena HÃ¶glund-Isaksson

List of Publications by Year
in descending order

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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	Anthropogenic emission is the main contributor to the rise of atmospheric methane during 1993â€“2017. National Science Review, 2022, 9, nwab200.	9.5	20
2	Achieving Paris climate goals calls for increasing ambition of the Kigali Amendment. Nature Climate Change, 2022, 12, 339-342.	18.8	20
3	The public health implications of the Paris Agreement: a modelling study. Lancet Planetary Health, The, 2021, 5, e74-e83.	11.4	85
4	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
5	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
6	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
7	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
8	Sustainable wastewater management in Indonesia's fish processing industry: Bringing governance into scenario analysis. Journal of Environmental Management, 2020, 275, 111241.	7.8	8
9	Co-benefits of Energy-Efficient Air Conditioners in the Residential Building Sector of China. Environmental Science & Technology, 2020, 54, 13217-13227.	10.0	14
10	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
11	Electricity savings and greenhouse gas emission reductions from global phase-down of hydrofluorocarbons. Atmospheric Chemistry and Physics, 2020, 20, 11305-11327.	4.9	26
12	The Global Methane Budget 2000â€“2017. Earth System Science Data, 2020, 12, 1561-1623.	9.9	1,199
13	European anthropogenic AFOLU greenhouse gas emissions: a review and benchmark data. Earth System Science Data, 2020, 12, 961-1001.	9.9	31
14	Data for long-term marginal abatement cost curves of non-CO2 greenhouse gases. Data in Brief, 2019, 25, 104334.	1.0	6
15	Long-term marginal abatement cost curves of non-CO2 greenhouse gases. Environmental Science and Policy, 2019, 99, 136-149.	4.9	40
16	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
17	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. Nature Geoscience, 2018, 11, 178-184.	12.9	56
18	Air qualityâ€“carbonâ€“water synergies and trade-offs in Chinaâ€™s natural gas industry. Nature Sustainability, 2018, 1, 505-511.	23.7	49

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19	Technical opportunities to reduce global anthropogenic emissions of nitrous oxide. Environmental Research Letters, 2018, 13, 014011.	5.2	74
20	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
21	Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. Environmental Science and Policy, 2017, 75, 138-147.	4.9	52
22	Global emissions of fluorinated greenhouse gases 2005â€“2050 with abatement potentials and costs. Atmospheric Chemistry and Physics, 2017, 17, 2795-2816.	4.9	60
23	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
24	The Contribution of Non-CO2 Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. Energies, 2017, 10, 602.	3.1	21
25	The global methane budget 2000â€“2012. Earth System Science Data, 2016, 8, 697-751.	9.9	824
26	Global anthropogenic methane emissions 2005â€“2030: technical mitigation potentials and costs. Atmospheric Chemistry and Physics, 2012, 12, 9079-9096.	4.9	103
27	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
28	Simultaneously Mitigating Near-Term Climate Change and Improving Human Health and Food Security. Science, 2012, 335, 183-189.	12.6	1,107
29	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
30	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
31	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
32	Mitigation Efforts Calculator (MEC). , 2010, , .		0
33	Scenarios of global anthropogenic emissions of air pollutants and methane until 2030. Atmospheric Environment, 2007, 41, 8486-8499.	4.1	206
34	Refunded emission payments theory, distribution of costs, and Swedish experience of NOx abatement. Ecological Economics, 2006, 57, 93-106.	5.7	81
35	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
36	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