Peter Rafaj

List of Publications by Year
in descending order

41 papers	5,760 citations	279487 23 h-index	315357 38 g-index
43 all docs	43 docs citations	43 times ranked	8762 citing authors

#	Article	IF	Citations
1	Future PM_{2.5} emissions from metal production to meet renewable energy demand. Environmental Research Letters, 2022, 17, 044043.	2.2	4
2	The public health implications of the Paris Agreement: a modelling study. Lancet Planetary Health, The, 2021, 5, e74-e83.	5.1	85
3	Air quality and health implications of 1.5 Â°Câ€“2 Â°C climate pathways under considerations of ageing population: a multi-model scenario analysis. Environmental Research Letters, 2021, 16, 045005.	2.2	19
4	Health impacts of fine particles under climate change mitigation, air quality control, and demographic change in India. Environmental Research Letters, 2021, 16, 054025.	2.2	6
5	Managing future air quality in megacities: Emission inventory and scenario analysis for the Kolkata Metropolitan City, India. Atmospheric Environment, 2020, 222, 117135.	1.9	27
6	Reducing global air pollution: the scope for further policy interventions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190331.	1.6	70
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.	0.9	96
8	Decarbonization pathways and energy investment needs for developing Asia in line with â€˜well belowâ€™ 2Â°C. Climate Policy, 2020, 20, 234-245.	2.6	18
9	Electricity savings and greenhouse gas emission reductions from global phase-down of hydrofluorocarbons. Atmospheric Chemistry and Physics, 2020, 20, 11305-11327.	1.9	26
10	Mitigation pathways towards national ambient air quality standards in India. Environment International, 2019, 133, 105147.	4.8	62
11	Air Quality Improvement Co-benefits of Low-Carbon Pathways toward Well Below the 2 Â°C Climate Target in China. Environmental Science & Technology, 2019, 53, 5576-5584.	4.6	81
12	Mitigation pathways of air pollution from residential emissions in the Beijing-Tianjin-Hebei region in China. Environment International, 2019, 125, 236-244.	4.8	66
13	Energy Policy, Air Quality, and Climate Mitigation in South Africa: The Case for Integrated Assessment. , 2018, , 113-138.		2
14	Interactions between global climate change strategies and local air pollution: lessons learnt from the expansion of the power sector in Brazil. Climatic Change, 2018, 148, 293-309.	1.7	10
15	Outlook for clean air in the context of sustainable development goals. Global Environmental Change, 2018, 53, 1-11.	3.6	119
16	Managing future air quality in megacities: Co-benefit assessment for Delhi. Atmospheric Environment, 2018, 186, 158-177.	1.9	33
17	Decomposing Air Pollutant Emissions in Asia: Determinants and Projections. Energies, 2018, 11, 1299.	1.6	19
18	A low energy demand scenario for meeting the 1.5â€‰Â°C target and sustainable development goals without negative emission technologies. Nature Energy, 2018, 3, 515-527.	19.8	733

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19	Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. Nature Energy, 2018, 3, 589-599.	19.8	377
20	Managing future air quality in megacities: A case study for Delhi. Atmospheric Environment, 2017, 161, 99-111.	1.9	63
21	Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. Environmental Science and Policy, 2017, 75, 138-147.	2.4	52
22	Global anthropogenic emissions of particulate matter including black carbon. Atmospheric Chemistry and Physics, 2017, 17, 8681-8723.	1.9	496
23	Assessing emissions levels and costs associated with climate and air pollution policies in South Africa. Energy Policy, 2016, 89, 160-170.	4.2	29
24	A policy review of synergies and trade-offs in South African climate change mitigation and air pollution control strategies. Environmental Science and Policy, 2016, 57, 70-78.	2.4	42
25	Benefits of European Climate Policies for Mercury Air Pollution. Atmosphere, 2014, 5, 45-59.	1.0	15
26	Changes in European greenhouse gas and air pollutant emissions 1960â€"2010: decomposition of determining factors. Climatic Change, 2014, 124, 477-504.	1.7	43
27	Factorization of air pollutant emissions: Projections versus observed trends in Europe. Science of the Total Environment, 2014, 494-495, 272-282.	3.9	18
28	Co-benefits of post-2012 global climate mitigation policies. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 801-824.	1.0	74
29	Scenario analysis of strategies to control air pollution in Pakistan. Journal of Integrative Environmental Sciences, 2013, 10, 77-91.	1.0	26
30	EU low carbon roadmap 2050: Potentials and costs for mitigation ofÂnon-CO2 greenhouse gas emissions. Energy Strategy Reviews, 2012, 1, 97-108.	3.3	47
31	Sectoral marginal abatement cost curves: implications for mitigation pledges and air pollution co-benefits for Annex I countries. Sustainability Science, 2012, 7, 169-184.	2.5	34
32	Cost-effective control of air quality and greenhouse gases in Europe: Modeling and policy applications. Environmental Modelling and Software, 2011, 26, 1489-1501.	1.9	578
33	RCP 8.5â€"A scenario of comparatively high greenhouse gas emissions. Climatic Change, 2011, 109, 33-57.	1.7	2,168
34	Internalisation of external cost in the power generation sector: Analysis with Global Multi-regional MARKAL model. Energy Policy, 2007, 35, 828-843.	4.2	150
35	Combining policy instruments for sustainable energy systems: An assessment with the GMM model. Environmental Modeling and Assessment, 2006, 11, 277-295.	1.2	14
36	Modeling endogenous learning and imperfect competition effects in climate change economics. Climatic Change, 2006, 79, 121-141.	1.7	8

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37	Economics of climate policy and collective decision making. Climatic Change, 2006, 79, 143-162.	1.7	10
38	Modeling endogenous learning and imperfect competition effects in climate change economics. , 2006, , 121-141.		0
39	Economics of climate policy and collective decision making. , 2006, , 143-162.		0
40	Flexible Carbon Mitigation Policies: Analysis with a Global Multi-Regional MARKAL Model. Advances in Global Change Research, 2005, , 237-266.	1.6	12
41	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