Chris Heyes

List of Publications by Year
in descending order

37 papers	5,190 citations	159358 30 h-index	329751 37 g-index
50 all docs	50 docs citations	50 times ranked	6690 citing authors

#	Article	IF	Citations
1	The marker quantification of the Shared Socioeconomic Pathway 2: A middle-of-the-road scenario for the 21st century. Global Environmental Change, 2017, 42, 251-267.	3.6	590
2	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
3	Global anthropogenic emissions of particulate matter including black carbon. Atmospheric Chemistry and Physics, 2017, 17, 8681-8723.	1.9	496
4	Atmospheric transport is a major pathway of microplastics to remote regions. Nature Communications, 2020, 11, 3381.	5.8	489
5	Impacts and mitigation of excess diesel-related NOx emissions in 11 major vehicle markets. Nature, 2017, 545, 467-471.	13.7	487
6	Evaluating the climate and air quality impacts of short-lived pollutants. Atmospheric Chemistry and Physics, 2015, 15, 10529-10566.	1.9	365
7	Future air pollution in the Shared Socio-economic Pathways. Global Environmental Change, 2017, 42, 346-358.	3.6	277
8	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. Atmospheric Chemistry and Physics, 2015, 15, 9413-9433.	1.9	145
9	Exploring the ancillary benefits of the Kyoto Protocol for air pollution in Europe. Energy Policy, 2006, 34, 444-460.	4.2	124
10	Impact of excess NO _x emissions from diesel cars on air quality, public health and eutrophication in Europe. Environmental Research Letters, 2017, 12, 094017.	2.2	120
11	Outlook for clean air in the context of sustainable development goals. Global Environmental Change, 2018, 53, 1-11.	3.6	119
12	Integrated assessment of European air pollution emission control strategies. Environmental Modelling and Software, 1998, 14, 1-9.	1.9	109
13	Future air quality in Europe: a multi-model assessment of projected exposure to ozone. Atmospheric Chemistry and Physics, 2012, 12, 10613-10630.	1.9	81
14	Siberian Arctic black carbon sources constrained by model and observation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1054-E1061.	3.3	80
15	Modelling PM2.5 impact indicators in Europe: Health effects and legal compliance. Environmental Modelling and Software, 2015, 74, 201-211.	1.9	77
16	Co-benefits of post-2012 global climate mitigation policies. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 801-824.	1.0	74
17	A multi-model assessment of the co-benefits of climate mitigation for global air quality. Environmental Research Letters, 2016, 11, 124013.	2.2	72
18	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

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19	Source apportionment of circum-Arctic atmospheric black carbon from isotopes and modeling. Science Advances, 2019, 5, eaau8052.	4.7	68
20	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
21	Managing future air quality in megacities: A case study for Delhi. Atmospheric Environment, 2017, 161, 99-111.	1.9	63
22	Modelling street level PM₁₀ concentrations across Europe: source apportionment and possible futures. Atmospheric Chemistry and Physics, 2015, 15, 1539-1553.	1.9	62
23	Environmental Modeling and Methods for Estimation of the Global Health Impacts of Air Pollution. Environmental Modeling and Assessment, 2012, 17, 613-622.	1.2	61
24	Mitigating ammonia emission from agriculture reduces PM2.5 pollution in the Hai River Basin in China. Science of the Total Environment, 2017, 609, 1152-1160.	3.9	57
25	Urban versus rural health impacts attributable to PM _{2.5} and O ₃ in northern India. Environmental Research Letters, 2018, 13, 064010.	2.2	54
26	Modelling NO₂ concentrations at the street level in the GAINS integrated assessment model: projections under current legislation. Atmospheric Chemistry and Physics, 2014, 14, 813-829.	1.9	53
27	Comparison and evaluation of anthropogenic emissions of SO₂ and NO_{<i>x</i>} over China. Atmospheric Chemistry and Physics, 2018, 18, 3433-3456.	1.9	51
28	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
29	EURODELTA-Trends, a multi-model experiment of air quality hindcast in Europe over 1990â€“2010. Geoscientific Model Development, 2017, 10, 3255-3276.	1.3	41
30	Global Climate and Human Health Effects of the Gasoline and Diesel Vehicle Fleets. GeoHealth, 2020, 4, e2019GH000240.	1.9	34
31	Global and regional climate impacts of black carbon and co-emitted species from the on-road diesel sector. Atmospheric Environment, 2014, 98, 50-58.	1.9	28
32	Constraining the uncertainty in emissions over India with a regional air quality model evaluation. Atmospheric Environment, 2018, 174, 194-203.	1.9	23
33	Global radiative effects of solid fuel cookstove aerosol emissions. Atmospheric Chemistry and Physics, 2018, 18, 5219-5233.	1.9	22
34	Estimating long-term population exposure to ozone in urban areas of Europe. Environmental Pollution, 2001, 113, 59-69.	3.7	21
35	Integrated assessment of emission control scenarios, including the impact of tropospheric ozone. Water, Air, and Soil Pollution, 1995, 85, 2595-2600.	1.1	18
36	Impacts of Global Solid Biofuel Stove Emissions on Ambient Air Quality and Human Health. GeoHealth, 2021, 5, e2020GH000362.	1.9	14

#	Article	IF	Citations
37	A simplified ozone model based on fuzzy rules generation. European Journal of Operational Research, 2000, 122, 440-451.	3.5	12