

Claire E Reeves

List of Publications by Year in descending order

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42
papers

1,804
citations

331259

21
h-index

315357

38
g-index

72
all docs

72
docs citations

72
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale overview of the summer monsoon over West Africa during the AMMA field experiment in 2006. <i>Annales Geophysicae</i> , 2008, 26, 2569-2595.	0.6	181
2	Global sea-to-air flux climatology for bromoform, dibromomethane and methyl iodide. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8915-8934.	1.9	131
3	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 169-199.	1.9	130
4	Southern Hemispheric halon trends (1978-1998) and global halon emissions. <i>Journal of Geophysical Research</i> , 1999, 104, 15985-15999.	3.3	98
5	Introduction to the special issue "In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)". <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7519-7546.	1.9	95
6	Isoprene oxidation mechanisms: measurements and modelling of OH and HO ₂ over a South-East Asian tropical rainforest during the OP3 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6749-6771.	1.9	88
7	Newly detected ozone-depleting substances in the atmosphere. <i>Nature Geoscience</i> , 2014, 7, 266-269.	5.4	81
8	Measurements of volatile organic compounds over West Africa. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5281-5294.	1.9	78
9	Accelerating growth of HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane) in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5903-5910.	1.9	60
10	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11201-11224.	1.9	60
11	HO ₂ observations over West Africa during AMMA: impact of isoprene and NO _x . <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9415-9429.	1.9	59
12	Recent tropospheric growth rate and distribution of HFC-134a (CF ₃ CH ₂ F). <i>Geophysical Research Letters</i> , 1996, 23, 1949-1952.	1.5	52
13	Improved model of isoprene emissions in Africa using Ozone Monitoring Instrument (OMI) satellite observations of formaldehyde: implications for oxidants and particulate matter. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7693-7703.	1.9	52
14	Measurements of HCFC-142b and HCFC-141b in the Cape Grim air Archive: 1978-1993. <i>Geophysical Research Letters</i> , 1995, 22, 2741-2744.	1.5	48
15	Long-term tropospheric trend of octafluorocyclobutane (c-C ₄ F ₈ or PFC-318). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 261-269.	1.9	48
16	Effects of halogens on European air-quality. <i>Faraday Discussions</i> , 2017, 200, 75-100.	1.6	43
17	Radical chemistry at night: comparisons between observed and modelled HO ₂ , NO ₃ and N ₂ O ₅ during the RONOCO project. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1299-1321.	1.9	42
18	Intercomparison of aircraft instruments on board the C-130 and Falcon 20 over southern Germany during EXPORT 2000. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 2127-2138.	1.9	40

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19	Importance of reactive halogens in the tropical marine atmosphere: a regional modelling study using WRF-Chem. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3161-3189.	1.9	36
20	Alkyl nitrates in outflow from North America over the North Atlantic during Intercontinental Transport of Ozone and Precursors 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	33
21	Distributions, long term trends and emissions of four perfluorocarbons in remote parts of the atmosphere and firn air. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4081-4090.	1.9	30
22	Aircraft based four-channel thermal dissociation laser induced fluorescence instrument for simultaneous measurements of NO ₂ , total peroxy nitrate, total alkyl nitrate, and HNO ₃ . <i>Atmospheric Measurement Techniques</i> , 2013, 6, 971-980.	1.2	29
23	Evidence from firn air for recent decreases in non-methane hydrocarbons and a 20th century increase in nitrogen oxides in the northern hemisphere. <i>Atmospheric Environment</i> , 2012, 54, 592-602.	1.9	26
24	Trends of halon gases in polar firn air: implications for their emission distributions. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2055-2064.	1.9	24
25	Isoprene emissions modelling for West Africa: MEGAN model evaluation and sensitivity analysis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8453-8467.	1.9	22
26	Emissions halted of the potent greenhouse gas SF ₅ CF ₃ . <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3653-3658.	1.9	22
27	Seasonal and geographical variability of nitryl chloride and its precursors in Northern Europe. <i>Atmospheric Science Letters</i> , 2018, 19, e844.	0.8	19
28	Continued increase of CFC-113a (CCl ₃ CF ₃) mixing ratios in the global atmosphere: emissions, occurrence and potential sources. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4737-4751.	1.9	18
29	Key Role of NO ₃ Radicals in the Production of Isoprene Nitrates and Nitroxyorganosulfates in Beijing. <i>Environmental Science & Technology</i> , 2021, 55, 842-853.	4.6	18
30	Southern hemispheric halon trends and global halon emissions, 1978–2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5551-5565.	1.9	16
31	Measurement of isoprene nitrates by GCMS. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4533-4545.	1.2	14
32	Tropospheric observations of CFC-114 and CFC-114a with a focus on long-term trends and emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15347-15358.	1.9	14
33	Surface atmosphere fluxes of volatile organic compounds in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15101-15125.	1.9	13
34	Investigation of East Asian Emissions of CFC-11 Using Atmospheric Observations in Taiwan. <i>Environmental Science & Technology</i> , 2020, 54, 3814-3822.	4.6	12
35	Aircraft observations of the lower troposphere above a megacity: Alkyl nitrate and ozone chemistry. <i>Atmospheric Environment</i> , 2014, 94, 479-488.	1.9	11
36	Efficient syntheses of climate relevant isoprene nitrates and (1 <i>R</i> ,5 <i>S</i>)-(â)-myrtenol nitrate. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1081-1095.	1.3	6

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37	Air-sea exchange of acetone, acetaldehyde, DMS and isoprene at a UK coastal site. Atmospheric Chemistry and Physics, 2021, 21, 10111-10132.	1.9	5
38	Trends and emissions of six perfluorocarbons in the Northern Hemisphere and Southern Hemisphere. Atmospheric Chemistry and Physics, 2020, 20, 4787-4807.	1.9	5
39	Changes to the chemical state of the Northern Hemisphere atmosphere during the second half of the twentieth century. Atmospheric Chemistry and Physics, 2017, 17, 8269-8283.	1.9	4
40	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry. Atmospheric Chemistry and Physics, 2021, 21, 6315-6330.	1.9	4
41	Clustering Imputation for Air Pollution Data. Lecture Notes in Computer Science, 2020, , 585-597.	1.0	3
42	Evaluation of multivariate time series clustering for imputation of air pollution data. Geoscientific Instrumentation, Methods and Data Systems, 2021, 10, 265-285.	0.6	0