

# John M C Plane

## List of Publications by Year in descending order

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403  
papers

18,232  
citations

18465

62  
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27389

106  
g-index

509  
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509  
docs citations

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times ranked

9283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Halogens and their role in polar boundary-layer ozone depletion. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4375-4418.	1.9	593
2	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4329-4373.	1.9	554
3	Atmospheric Chemistry of Iodine. <i>Chemical Reviews</i> , 2012, 112, 1773-1804.	23.0	482
4	Extensive halogen-mediated ozone destruction over the tropical Atlantic Ocean. <i>Nature</i> , 2008, 453, 1232-1235.	13.7	432
5	Atmospheric Chemistry of Meteoric Metals. <i>Chemical Reviews</i> , 2003, 103, 4963-4984.	23.0	315
6	Photochemical formation of hydrogen peroxide in natural waters exposed to sunlight. <i>Environmental Science &amp; Technology</i> , 1988, 22, 1156-1160.	4.6	295
7	A Theoretical Study of the Oxidation of Hg <sup>0</sup> to HgBr <sub>2</sub> in the Troposphere. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1772-1776.	4.6	285
8	Boundary Layer Halogens in Coastal Antarctica. <i>Science</i> , 2007, 317, 348-351.	6.0	276
9	Stratospheric aerosol-Observations, processes, and impact on climate. <i>Reviews of Geophysics</i> , 2016, 54, 278-335.	9.0	265
10	Atmospheric iodine levels influenced by sea surface emissions of inorganic iodine. <i>Nature Geoscience</i> , 2013, 6, 108-111.	5.4	256
11	A modeling study of iodine chemistry in the marine boundary layer. <i>Journal of Geophysical Research</i> , 2000, 105, 14371-14385.	3.3	252
12	Direct evidence for coastal iodine particles from <i>Laminaria</i> macroalgae "linkage" to emissions of molecular iodine. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 701-713.	1.9	252
13	Cosmic dust in the earth's atmosphere. <i>Chemical Society Reviews</i> , 2012, 41, 6507.	18.7	227
14	The Mesosphere and Metals: Chemistry and Changes. <i>Chemical Reviews</i> , 2015, 115, 4497-4541.	23.0	216
15	The chemistry of meteoric metals in the Earth's upper atmosphere. <i>International Reviews in Physical Chemistry</i> , 1991, 10, 55-106.	0.9	201
16	A chemical model of meteoric ablation. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7015-7031.	1.9	199
17	On the photochemical production of new particles in the coastal boundary layer. <i>Geophysical Research Letters</i> , 1999, 26, 1707-1710.	1.5	197
18	Novel iodine chemistry in the marine boundary layer. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	196

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19	Measurement and modelling of tropospheric reactive halogen species over the tropical Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4611-4624.	1.9	161
20	Observations of iodine monoxide in the remote marine boundary layer. <i>Journal of Geophysical Research</i> , 2000, 105, 14363-14369.	3.3	160
21	Estimating the climate significance of halogen-driven ozone loss in the tropical marine troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3939-3949.	1.9	157
22	The chemistry of OH and HO <sub>2</sub> radicals in the boundary layer over the tropical Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1555-1576.	1.9	156
23	On the vertical distribution of boundary layer halogens over coastal Antarctica: implications for O <sub>3</sub> , HO <sub>x</sub> , NO <sub>x</sub> and the Hg lifetime. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 887-900.	1.9	153
24	A time-resolved model of the mesospheric Na layer: constraints on the meteor input function. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 627-638.	1.9	150
25	An ion-molecule mechanism for the formation of neutral sporadic Na layers. <i>Journal of Geophysical Research</i> , 1998, 103, 6349-6359.	3.3	146
26	Dust formation in the oxygen-rich AGB star IK Tauri. <i>Astronomy and Astrophysics</i> , 2016, 585, A6.	2.1	141
27	Modelling molecular iodine emissions in a coastal marine environment: the link to new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 883-895.	1.9	138
28	Sources of cosmic dust in the Earth's atmosphere. <i>Geophysical Research Letters</i> , 2016, 43, 11979-11986.	1.5	138
29	Meteoric smoke fallout over the Holocene epoch revealed by iridium and platinum in Greenland ice. <i>Nature</i> , 2004, 432, 1011-1014.	13.7	132
30	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
31	Iodine-mediated coastal particle formation: an overview of the Reactive Halogens in the Marine Boundary Layer (RHAMBLe) Roscoff coastal study. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2975-2999.	1.9	125
32	Observations of the Nitrate Radical in the Marine Boundary Layer. <i>Journal of Atmospheric Chemistry</i> , 1999, 33, 129-154.	1.4	113
33	Impact of halogen monoxide chemistry upon boundary layer OH and HO <sub>2</sub> concentrations at a coastal site. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	113
34	Measurements and modelling of I <sub>2</sub> , IO, OIO, BrO and NO <sub>3</sub> in the mid-latitude marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1513-1528.	1.9	113
35	A laboratory characterisation of inorganic iodine emissions from the sea surface: dependence on oceanic variables and parameterisation for global modelling. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5841-5852.	1.9	111
36	Absolute absorption cross-section and photolysis rate of I <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1443-1450.	1.9	107

#	ARTICLE	IF	CITATIONS
37	Formation Pathways and Composition of Iodine Oxide Ultra-Fine Particles. Environmental Chemistry, 2005, 2, 299.	0.7	107
38	Photoreduction of gaseous oxidized mercury changes global atmospheric mercury speciation, transport and deposition. Nature Communications, 2018, 9, 4796.	5.8	107
39	The mass balance of mercury in the springtime arctic environment. Geophysical Research Letters, 2006, 33, .	1.5	106
40	A global atmospheric model of meteoric iron. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9456-9474.	1.2	105
41	Morphology of sporadic $E$ layer retrieved from COSMIC GPS radio occultation measurements: Wind shear theory examination. Journal of Geophysical Research: Space Physics, 2014, 119, 2117-2136.	0.8	102
42	Simultaneous observations of nitrate and peroxy radicals in the marine boundary layer. Journal of Geophysical Research, 1997, 102, 18917-18933.	3.3	98
43	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. Journal of Atmospheric Chemistry, 2010, 67, 87-140.	1.4	97
44	Mesospheric Na layer at 40°N: Modeling and observations. Journal of Geophysical Research, 1999, 104, 3773-3788.	3.3	96
45	The nitrate radical in the remote marine boundary layer. Journal of Geophysical Research, 2000, 105, 24191-24204.	3.3	95
46	Bromine oxide in the mid-latitude marine boundary layer. Geophysical Research Letters, 2004, 31, .	1.5	87
47	DMS and MSA measurements in the Antarctic Boundary Layer: impact of BrO on MSA production. Atmospheric Chemistry and Physics, 2008, 8, 2985-2997.	1.9	87
48	WACCM Whole Atmosphere Community Climate Model with region ion chemistry. Journal of Advances in Modeling Earth Systems, 2016, 8, 954-975.	1.3	86
49	A global model of meteoric sodium. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,442.	1.2	84
50	Observations of OIO in the remote marine boundary layer. Geophysical Research Letters, 2001, 28, 1945-1948.	1.5	83
51	OH and HO <sub>2</sub> chemistry during NAMBLEX: roles of oxygenates, halogen oxides and heterogeneous uptake. Atmospheric Chemistry and Physics, 2006, 6, 1135-1153.	1.9	82
52	Nighttime radical chemistry in the San Joaquin Valley. Atmospheric Environment, 1995, 29, 2887-2897.	1.9	79
53	Quantum chemical calculations on a selection of iodine-containing species (IO, OIO, INO <sub>3</sub> , (IO) <sub>2</sub> , I <sub>2</sub> O <sub>3</sub> )	1.3	79
54	Evidence of reactive iodine chemistry in the Arctic boundary layer. Journal of Geophysical Research, 2010, 115, .	3.3	76

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55	Atmospheric Ca and Ca <sup>+</sup> layers: Midlatitude observations and modeling. <i>Journal of Geophysical Research</i> , 2000, 105, 27131-27146.	3.3	75
56	The reactions of FeO with O <sub>3</sub> , H <sub>2</sub> , H <sub>2</sub> O, O <sub>2</sub> and CO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2335-2343.	1.3	73
57	A study of the role of ionospheric molecule chemistry in the formation of sporadic sodium layers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 845-860.	0.6	73
58	Chemistry of the Antarctic Boundary Layer and the Interface with Snow: an overview of the CHABLIS campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3789-3803.	1.9	73
59	First observation of micrometeoroid differential ablation in the atmosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	73
60	Reactive iodine species in a semi-polluted environment. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	73
61	Differential optical absorption spectrometer for measuring atmospheric trace gases. <i>Review of Scientific Instruments</i> , 1992, 63, 1867-1876.	0.6	72
62	A laboratory study of meteor smoke analogues: Composition, optical properties and growth kinetics. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 2182-2202.	0.6	72
63	Peroxy radical chemistry and the control of ozone photochemistry at Mace Head, Ireland during the summer of 2002. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2193-2214.	1.9	70
64	Seasonal variations of the Na and Fe layers at the South Pole and their implications for the chemistry and general circulation of the polar mesosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	69
65	Latitudinal distribution of reactive iodine in the Eastern Pacific and its link to open ocean sources. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11609-11617.	1.9	68
66	Low Temperature Kinetics of the CH <sub>3</sub> OH + OH Reaction. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2693-2701.	1.1	68
67	A model of meteoric iron in the upper atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 10913-10925.	3.3	67
68	Metallic layers in the mesopause and lower thermosphere region. <i>Advances in Space Research</i> , 1999, 24, 1559-1570.	1.2	67
69	Removal of Meteoric Iron on Polar Mesospheric Clouds. <i>Science</i> , 2004, 304, 426-428.	6.0	67
70	Reactive Halogens in the Marine Boundary Layer (RHaMBLe): the tropical North Atlantic experiments. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1031-1055.	1.9	66
71	The North Atlantic Marine Boundary Layer Experiment (NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2241-2272.	1.9	65
72	Glass formation and unusual hygroscopic growth of iodine acid solution droplets with relevance for iodine mediated particle formation in the marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8575-8587.	1.9	64

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73	Active chlorine release from marine aerosols: Roles for reactive iodine and nitrogen species. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 10-1.	3.3	63
74	On the size and velocity distribution of cosmic dust particles entering the atmosphere. <i>Geophysical Research Letters</i> , 2015, 42, 6518-6525.	1.5	63
75	Atmospheric depletion of mercury over Antarctica during glacial periods. <i>Nature Geoscience</i> , 2009, 2, 505-508.	5.4	61
76	Intercomparison of Formaldehyde Measurements in Clean and Polluted Atmospheres. <i>Journal of Atmospheric Chemistry</i> , 2000, 37, 53-80.	1.4	59
77	An Experimental and Theoretical Study of the Reactions $\text{OIO} + \text{NO}$ and $\text{OIO} + \text{OH}$ . <i>Journal of Physical Chemistry A</i> , 2006, 110, 93-100.	1.1	59
78	Kinetic investigation of the reaction between $\text{Na} + \text{O}_2 + \text{M}$ by time-resolved atomic resonance absorption spectroscopy. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982, 78, 163.	1.1	58
79	(Sub)stellar companions shape the winds of evolved stars. <i>Science</i> , 2020, 369, 1497-1500.	6.0	57
80	A study of the reaction $\text{NaO} + \text{O} \rightarrow \text{NaO} + \text{O}_2$ : Implications for the chemistry of sodium in the upper atmosphere. <i>Journal of Geophysical Research</i> , 1993, 98, 23207-23222.	3.3	56
81	Coupling of HO <sub>2</sub> , NO <sub>2</sub> and halogen chemistry in the antarctic boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10187-10209.	1.9	56
82	Studies of the Formation and Growth of Aerosol from Molecular Iodine Precursor. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 1095-1117.	1.4	56
83	MAVEN IUVS observations of the aftermath of the Comet Siding Spring meteor shower on Mars. <i>Geophysical Research Letters</i> , 2015, 42, 4755-4761.	1.5	56
84	A kinetic study of the reactions of iron oxides and hydroxides relevant to the chemistry of iron in the upper mesosphere. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1407-1418.	1.3	55
85	Ice nucleation by combustion ash particles at conditions relevant to mixed-phase clouds. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5195-5210.	1.9	55
86	Kinetic investigation of the reactions of OH(X <sup>2</sup> Î) with the hydrogen halides, HCl, DCl, HBr and DBr by time-resolved resonance fluorescence (A <sup>2</sup> â <sup>+</sup> â€“X <sup>2</sup> Î). <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1981, 77, 1949-1962.	1.1	54
87	Experimental and theoretical study of the reaction $\text{Fe} + \text{O}_2 + \text{N}_2 \rightarrow \text{FeO}_2 + \text{N}_2$ . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 395.	1.7	53
88	Cosmic dust fluxes in the atmospheres of Earth, Mars, and Venus. <i>Icarus</i> , 2020, 335, 113395.	1.1	53
89	On the mechanism of iodine oxide particle formation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15612.	1.3	52
90	Detection of a persistent meteoric metal layer in the Martian atmosphere. <i>Nature Geoscience</i> , 2017, 10, 401-404.	5.4	52

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91	The role of sodium bicarbonate in the nucleation of noctilucent clouds. <i>Annales Geophysicae</i> , 2000, 18, 807-814.	0.6	51
92	Meteoric ion layers in the Martian atmosphere. <i>Faraday Discussions</i> , 2010, 147, 349.	1.6	51
93	Determination of the absolute rate constant for the reaction $O + NaO \rightarrow Na + O_2$ by time-resolved atomic chemiluminescence at $\lambda = 589 \text{ nm}$ [ $Na(3^2P)$ $\rightarrow$ $Na(3^2S_{1/2}) + h\nu/2$ ]. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1986, 82, 2047-2052.	1.1	50
94	Photochemistry of oxidized Hg(I) and Hg(II) species suggests missing mercury oxidation in the troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30949-30956.	3.3	50
95	DOAS measurements of formaldehyde and glyoxal above a south-east Asian tropical rainforest. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5949-5962.	1.9	49
96	Determination of the atmospheric lifetime and global warming potential of sulfur hexafluoride using a three-dimensional model. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 883-898.	1.9	49
97	Polar cap Sporadic-E: part 2, modeling. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 1169-1176.	0.6	48
98	Satellite measurements of the global mesospheric sodium layer. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4107-4115.	1.9	48
99	Halogen species record Antarctic sea ice extent over glacial-interglacial periods. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6623-6635.	1.9	47
100	Antarctic mesospheric clouds formed from space shuttle exhaust. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	46
101	Iodine chemistry in the eastern Pacific marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 887-904.	1.2	46
102	Mesospheric Na layer at extreme high latitudes in summer. <i>Journal of Geophysical Research</i> , 1998, 103, 6381-6389.	3.3	45
103	The terrestrial potassium layer (75-110 km) between 71°S and 54°N: Observations and modeling. <i>Journal of Geophysical Research</i> , 1999, 104, 17173-17186.	3.3	45
104	Absolute photolysis cross-sections for $NaHCO_3$ , $NaOH$ , $NaO$ , $NaO_2$ and $NaO_3$ : implications for sodium chemistry in the upper mesosphere. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 16-23.	1.3	45
105	Modelling the impact of noctilucent cloud formation on atomic oxygen and other minor constituents of the summer mesosphere. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1027-1038.	1.9	45
106	Interactions of meteoric smoke particles with sulphuric acid in the Earth's stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4387-4398.	1.9	45
107	Insights into the Photochemical Transformation of Iodine in Aqueous Systems: Humic Acid Photosensitized Reduction of Iodate. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11854-11861.	4.6	45
108	Inferring the global cosmic dust influx to the Earth's atmosphere from lidar observations of the vertical flux of mesospheric Na. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7870-7879.	0.8	45

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109	Metallic ions in the upper atmosphere of Mars from the passage of comet C/2013 A1 (Siding Spring). <i>Geophysical Research Letters</i> , 2015, 42, 4670-4675.	1.5	45
110	CO <sub>2</sub> ice structure and density under Martian atmospheric conditions. <i>Icarus</i> , 2017, 294, 201-208.	1.1	45
111	Laboratory study of the reactions Mg + O <sub>3</sub> and MgO + O <sub>3</sub> . Implications for the chemistry of magnesium in the upper atmosphere. <i>Faraday Discussions</i> , 1995, 100, 411.	1.6	44
112	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 750-778.	0.8	44
113	High resolution spectroscopy of the OIO radical: Implications for the ozone-depleting potential of iodine. <i>Geophysical Research Letters</i> , 2002, 29, 95-1-95-4.	1.5	44
114	Interaction between nitrogen and sulfur cycles in the polluted marine boundary layer. <i>Journal of Geophysical Research</i> , 1996, 101, 1379-1386.	3.3	43
115	Resolving the strange behavior of extraterrestrial potassium in the upper atmosphere. <i>Geophysical Research Letters</i> , 2014, 41, 4753-4760.	1.5	43
116	Impacts of Cosmic Dust on Planetary Atmospheres and Surfaces. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	43
117	Observations of the nitrate radical in the free troposphere at Izaña de Tenerife. <i>Journal of Geophysical Research</i> , 1997, 102, 10613-10622.	3.3	42
118	The Photolysis of Dihalomethanes in Surface Seawater. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7097-7101.	4.6	42
119	SOLUBILITY OF ROCK IN STEAM ATMOSPHERES OF PLANETS. <i>Astrophysical Journal</i> , 2016, 824, 103.	1.6	42
120	Fractal growth modelling of nanoparticles. <i>Journal of Aerosol Science</i> , 2006, 37, 1737-1749.	1.8	41
121	Concurrent observations of atomic iodine, molecular iodine and ultrafine particles in a coastal environment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2545-2555.	1.9	40
122	Experimental evidence for photochemical control of the atmospheric sodium layer. <i>Journal of Geophysical Research</i> , 1995, 100, 18909.	3.3	39
123	Dynamical and chemical aspects of the mesospheric Na "wall" event on October 9, 1993 during the Airborne Lidar and Observations of Hawaiian Airglow (ALOHA) campaign. <i>Journal of Geophysical Research</i> , 1998, 103, 6361-6380.	3.3	39
124	A photo-chemical method for the production of olivine nanoparticles as cosmic dust analogues. <i>Icarus</i> , 2011, 212, 373-382.	1.1	39
125	In situ observations of meteor smoke particles (MSP) during the Geminids 2010: constraints on MSP size, work function and composition. <i>Annales Geophysicae</i> , 2012, 30, 1661-1673.	0.6	39
126	A gas-to-particle conversion mechanism helps to explain atmospheric particle formation through clustering of iodine oxides. <i>Nature Communications</i> , 2020, 11, 4521.	5.8	39



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127	Light-induced alteration of the photophysical properties of dissolved organic matter in seawater. <i>Journal of Sea Research</i> , 1990, 27, 33-41.	1.0	38
128	A chemical-dynamical model of wave-driven sodium fluctuations. <i>Geophysical Research Letters</i> , 1995, 22, 2861-2864.	1.5	38
129	An experimental and theoretical study of the clustering reactions between Na <sup>+</sup> ions and N <sub>2</sub> , O <sub>2</sub> and CO <sub>2</sub> . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 2619-2629.	1.7	38
130	An aerosol chamber investigation of the heterogeneous ice nucleating potential of refractory nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1227-1247.	1.9	38
131	Glyoxal observations in the global marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6160-6169.	1.2	38
132	Missing SO <sub>2</sub> oxidant in the coastal atmosphere? â€œ observations from high-resolution measurements of OH and atmospheric sulfur compounds. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12209-12223.	1.9	38
133	The micrometeorite flux at Dome C (Antarctica), monitoring the accretion of extraterrestrial dust on Earth. <i>Earth and Planetary Science Letters</i> , 2021, 560, 116794.	1.8	38
134	Kinetic study of the reaction between Fe and O <sub>3</sub> under mesospheric conditions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 31.	1.7	37
135	Under what conditions does (SiO) <sub>N</sub> nucleation occur? A bottom-up kinetic modelling evaluation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26913-26922.	1.3	37
136	Uptake of Fe, Na and K atoms on low-temperature ice: implications for metal atom scavenging in the vicinity of polar mesospheric clouds. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3970.	1.3	36
137	A kinetic study of the reactions FeO <sup>++</sup> O, Fe+Â·N <sub>2</sub> + O, Fe+Â·O <sub>2</sub> + O and FeO <sup>++</sup> CO: implications for sporadic E layers in the upper atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1812-1821.	1.3	36
138	Summertime NO <sub>x</sub> measurements during the CHABLIS campaign: can source and sink estimates unravel observed diurnal cycles?. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 989-1002.	1.9	36
139	Global investigation of the Mg atom and ion layers using SCIAMACHY/Envisat observations between 70 and 150 km altitude and WACCM-Mg model results. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 273-295.	1.9	36
140	Radical-mediated direct Câ€“H amination of arenes with secondary amines. <i>Chemical Science</i> , 2018, 9, 6647-6652.	3.7	36
141	A kinetic investigation of the reactions sodium + ozone and sodium monoxide + ozone over the temperature range 207-377 K. <i>The Journal of Physical Chemistry</i> , 1993, 97, 4459-4467.	2.9	35
142	A study of the reaction between NaHCO <sub>3</sub> and H: Apparent closure on the chemistry of mesospheric Na. <i>Journal of Geophysical Research</i> , 2001, 106, 1733-1739.	3.3	34
143	Measurements and modelling of molecular iodine emissions, transport and photodestruction in the coastal region around Roscoff. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11823-11838.	1.9	34
144	A kinetic study of Mg <sup>+</sup> and Mg-containing ions reacting with O <sub>3</sub> , O <sub>2</sub> , N <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> O and H <sub>2</sub> O: implications for magnesium ion chemistry in the upper atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6352.	1.3	34

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145	Refractory metal nuggets in different types of cosmic spherules. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 247-266.	1.6	34
146	Polar cap Sporadic-E: Part 1, Observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 1155-1167.	0.6	33
147	A Study of the Recombination of IO with NO <sub>2</sub> and the Stability of INO <sub>3</sub> : Implications for the Atmospheric Chemistry of Iodine. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8634-8641.	1.1	33
148	Physical properties of iodate solutions and the deliquescence of crystalline I <sub>2</sub> O <sub>5</sub> and HIO <sub>3</sub> . <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 12251-12260.	1.9	33
149	RADAR DETECTABILITY STUDIES OF SLOW AND SMALL ZODIACAL DUST CLOUD PARTICLES. I. THE CASE OF ARECIBO 430 MHz METEOR HEAD ECHO OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 796, 41.	1.6	33
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