

Joachim Curtius

List of Publications by Year in descending order

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Version: 2024-02-01

137
papers

12,646
citations

28274

55
h-index

29157

104
g-index

210
all docs

210
docs citations

210
times ranked

6928
citing authors

#	ARTICLE	IF	CITATIONS
1	Survival of newly formed particles in haze conditions. <i>Environmental Science Atmospheres</i> , 2022, 2, 491-499.	2.4	8
2	Synergistic HNO ₃ –H ₂ SO ₄ –NH ₃ upper tropospheric particle formation. <i>Nature</i> , 2022, 605, 483-489.	27.8	26
3	Determination of the collision rate coefficient between charged iodic acid clusters and iodic acid using the appearance time method. <i>Aerosol Science and Technology</i> , 2021, 55, 231-242.	3.1	18
4	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. <i>Environmental Science Atmospheres</i> , 2021, 1, 434-448.	2.4	10
5	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021, 371, 589-595.	12.6	94
6	Testing mobile air purifiers in a school classroom: Reducing the airborne transmission risk for SARS-CoV-2. <i>Aerosol Science and Technology</i> , 2021, 55, 586-599.	3.1	119
7	Measurement of iodine species and sulfuric acid using bromide chemical ionization mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4187-4202.	3.1	13
8	The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14275-14291.	4.9	38
9	Chemical composition of nanoparticles from α -pinene nucleation and the influence of isoprene and relative humidity at low temperature. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17099-17114.	4.9	12
10	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. <i>Nature</i> , 2020, 581, 184-189.	27.8	169
11	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945.	10.3	61
12	Measurement of ammonia, amines and iodine compounds using protonated water cluster chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2501-2522.	3.1	21
13	Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7359-7372.	4.9	58
14	Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11809-11821.	4.9	49
15	Long-term deposition and condensation ice-nucleating particle measurements from four stations across the globe. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15983-16006.	4.9	24
16	Molecular understanding of new-particle formation from α -pinene between \sim 50 and +25 °C. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9183-9207.	4.9	68
17	Ice-nucleating particle concentrations of the past: insights from a 600-year-old Greenland ice core. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12459-12482.	4.9	6
18	Molecular Composition and Volatility of Nucleated Particles from α -Pinene Oxidation between \sim 50 °C and +25 °C. <i>Environmental Science & Technology</i> , 2019, 53, 12357-12365.	10.0	32

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19	A comprehensive characterization of ice nucleation by three different types of cellulose particles immersed in water. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4823-4849.	4.9	48
20	Field evaluation of a Portable Fine Particle Concentrator (PFPC) for ice nucleating particle measurements. <i>Aerosol Science and Technology</i> , 2019, 53, 1067-1078.	3.1	9
21	Formation of Highly Oxygenated Organic Molecules from α -Pinene Ozonolysis: Chemical Characteristics, Mechanism, and Kinetic Model Development. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 873-883.	2.7	52
22	Measurement-model comparison of stabilized Criegee intermediate and highly oxygenated molecule production in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2363-2380.	4.9	21
23	New particle formation in the sulfuric acid-dimethylamine-water system: reevaluation of CLOUD chamber measurements and comparison to an aerosol nucleation and growth model. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 845-863.	4.9	92
24	Influence of temperature on the molecular composition of ions and charged clusters during pure biogenic nucleation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 65-79.	4.9	56
25	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018, 4, eaau5363.	10.3	164
26	Size-resolved online chemical analysis of nanoaerosol particles: a thermal desorption differential mobility analyzer coupled to a chemical ionization time-of-flight mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5489-5506.	3.1	16
27	Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9122-9127.	7.1	118
28	ML-CIRRUS: The Airborne Experiment on Natural Cirrus and Contrail Cirrus with the High-Altitude Long-Range Research Aircraft HALO. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 271-288.	3.3	107
29	PTR3: An Instrument for Studying the Lifecycle of Reactive Organic Carbon in the Atmosphere. <i>Analytical Chemistry</i> , 2017, 89, 5824-5831.	6.5	112
30	Causes and importance of new particle formation in the present-day and preindustrial atmospheres. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8739-8760.	3.3	198
31	Characterization of Aerosol Particles Produced by a Skyscraper Demolition by Blasting. <i>Journal of Aerosol Science</i> , 2017, 112, 11-18.	3.8	6
32	The role of ions in new particle formation in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15181-15197.	4.9	50
33	Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4817-4835.	4.9	62
34	Online single particle analysis of ice particle residuals from mountain-top mixed-phase clouds using laboratory derived particle type assignment. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 575-594.	4.9	39
35	Nucleation modeling of the Antarctic stratospheric CN layer and derivation of sulfuric acid profiles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7581-7591.	4.9	1
36	Evaporation of sulfate aerosols at low relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8923-8938.	4.9	11

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37	Detection of dimethylamine in the low pptv range using nitrate chemical ionization atmospheric pressure interface time-of-flight (CI-API-TOF) mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2135-2145.	3.1	27
38	Characterization of the mass-dependent transmission efficiency of a CIMS. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1449-1460.	3.1	85
39	Effect of ions on sulfuric acid-water binary particle formation: 2. Experimental data and comparison with QC-normalized classical nucleation theory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1752-1775.	3.3	99
40	Comparison of the SAWNUC model with CLOUD measurements of sulphuric acid-water nucleation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12401-12414.	3.3	16
41	Effect of dimethylamine on the gas phase sulfuric acid concentration measured by Chemical Ionization Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3036-3049.	3.3	17
42	Experimental particle formation rates spanning tropospheric sulfuric acid and ammonia abundances, ion production rates, and temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,377.	3.3	71
43	The role of low-volatility organic compounds in initial particle growth in the atmosphere. <i>Nature</i> , 2016, 533, 527-531.	27.8	540
44	Ion-induced nucleation of pure biogenic particles. <i>Nature</i> , 2016, 533, 521-526.	27.8	528
45	New particle formation in the free troposphere: A question of chemistry and timing. <i>Science</i> , 2016, 352, 1109-1112.	12.6	348
46	Reduced anthropogenic aerosol radiative forcing caused by biogenic new particle formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12053-12058.	7.1	107
47	Global atmospheric particle formation from CERN CLOUD measurements. <i>Science</i> , 2016, 354, 1119-1124.	12.6	289
48	The effect of acid-base clustering and ions on the growth of atmospheric nano-particles. <i>Nature Communications</i> , 2016, 7, 11594.	12.8	116
49	Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6495-6509.	4.9	71
50	Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1693-1712.	4.9	47
51	Observation of new particle formation and measurement of sulfuric acid, ammonia, amines and highly oxidized organic molecules at a rural site in central Germany. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12793-12813.	4.9	76
52	Hygroscopicity of nanoparticles produced from homogeneous nucleation in the CLOUD experiments. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 293-304.	4.9	29
53	ACRIDICON-CHUVA Campaign: Studying Tropical Deep Convective Clouds and Precipitation over Amazonia Using the New German Research Aircraft HALO. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1885-1908.	3.3	124
54	A comprehensive laboratory study on the immersion freezing behavior of illite NX particles: a comparison of 17 ice nucleation measurement techniques. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2489-2518.	4.9	200

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55	Intercomparing different devices for the investigation of ice nucleating particles using Snomax<sup>®</sup> as test substance. Atmospheric Chemistry and Physics, 2015, 15, 1463-1485.	4.9	108
56	Single-particle characterization of ice-nucleating particles and ice particle residuals sampled by three different techniques. Atmospheric Chemistry and Physics, 2015, 15, 4161-4178.	4.9	38
57	Experimental investigation of ion<sup>+</sup> recombination under atmospheric conditions. Atmospheric Chemistry and Physics, 2015, 15, 7203-7216.	4.9	46
58	Thermodynamics of the formation of sulfuric acid dimers in the binary (H<sub>2</sub>O<sub>2</sub>/SO<sub>4</sub>) and ternary (H<sub>2</sub>O<sub>2</sub>/SO<sub>4</sub>/H<sub>2</sub>O) system. Atmospheric Chemistry and Physics, 2015, 15, 10701-10721.	4.9	27
59	On the derivation of particle nucleation rates from experimental formation rates. Atmospheric Chemistry and Physics, 2015, 15, 4063-4075.	4.9	33
60	Elemental composition and clustering behaviour of Î±-pinene oxidation products for different oxidation conditions. Atmospheric Chemistry and Physics, 2015, 15, 4145-4159.	4.9	17
61	Technical Note: Using DEG-CPCs at upper tropospheric temperatures. Atmospheric Chemistry and Physics, 2015, 15, 7547-7555.	4.9	11
62	Bisulfate <sup>+</sup> cluster based atmospheric pressure chemical ionization mass spectrometer for high-sensitivity (<sup>+</sup> 100 ppqV) detection of atmospheric dimethyl amine: proof-of-concept and first ambient data from boreal forest. Atmospheric Measurement Techniques, 2015, 8, 4001-4011.	3.1	30
63	On the composition of ammonia<sup>+</sup> sulfuric-acid ion clusters during aerosol particle formation. Atmospheric Chemistry and Physics, 2015, 15, 55-78.	4.9	84
64	Effect of ions on the measurement of sulfuric acid in the CLOUD experiment at CERN. Atmospheric Measurement Techniques, 2014, 7, 3849-3859.	3.1	7
65	Insight into Acid<sup>+</sup> Base Nucleation Experiments by Comparison of the Chemical Composition of Positive, Negative, and Neutral Clusters. Environmental Science & Technology, 2014, 48, 13675-13684.	10.0	51
66	Oxidation Products of Biogenic Emissions Contribute to Nucleation of Atmospheric Particles. Science, 2014, 344, 717-721.	12.6	456
67	Neutral molecular cluster formation of sulfuric acid<sup>+</sup> dimethylamine observed in real time under atmospheric conditions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15019-15024.	7.1	208
68	Molecular understanding of sulphuric acid<sup>+</sup> amine particle nucleation in the atmosphere. Nature, 2013, 502, 359-363.	27.8	774
69	Ternary H[sub 2]SO[sub 4]-H[sub 2]O-NH[sub 3] neutral and charged nucleation rates for a wide range of atmospheric conditions. , 2013, , .		0
70	Role of organics in particle nucleation: From the lab to global model. , 2013, , .		1
71	Measurement of neutral sulfuric acid-dimethylamine clusters using CI-API-TOF-MS. , 2013, , .		0
72	A double inversion: Size and time resolved growth rates for aerosol particles in the CERN CLOUD experiment. , 2013, , .		0

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73	Measurements of IN and BIO-IN with the fast ice nucleus chamber FINCH at Mt. Zugspitze, Mt. Puy de Dôme and Jungfraujoch during fall and winter. , 2013, , .		1
74	Characterization of diethylene glycol-condensation particle counters for detection of sub-3 nm particles. , 2013, , .		2
75	Particle nucleation events at the high Alpine station Jungfraujoch. , 2013, , .		0
76	Evolution of nanoparticle composition in CLOUD in presence of sulphuric acid, ammonia and organics. , 2013, , .		1
77	Multi-species nucleation rates in CLOUD. , 2013, , .		1
78	Simulation of ion-induced nucleation in the CLOUD chamber. , 2013, , .		0
79	Experimental study on the influence of dimethylamine on the detection of gas phase sulfuric acid using chemical ionization mass spectrometry (CIMS). , 2013, , .		0
80	Performance of diethylene glycol-based particle counters in the sub-3 nm size range. Atmospheric Measurement Techniques, 2013, 6, 1793-1804.	3.1	63
81	Molecular understanding of atmospheric particle formation from sulfuric acid and large oxidized organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17223-17228.	7.1	300
82	Influence of aerosol lifetime on the interpretation of nucleation experiments with respect to the first nucleation theorem. Atmospheric Chemistry and Physics, 2013, 13, 11465-11471.	4.9	29
83	Evolution of particle composition in CLOUD nucleation experiments. Atmospheric Chemistry and Physics, 2013, 13, 5587-5600.	4.9	33
84	Atmospheric ice nuclei in the Eyjafjallajökull volcanic ash plume. Atmospheric Chemistry and Physics, 2012, 12, 857-867.	4.9	62
85	Contribution of sulfuric acid and oxidized organic compounds to particle formation and growth. Atmospheric Chemistry and Physics, 2012, 12, 9427-9439.	4.9	76
86	Calibration of a Chemical Ionization Mass Spectrometer for the Measurement of Gaseous Sulfuric Acid. Journal of Physical Chemistry A, 2012, 116, 6375-6386.	2.5	132
87	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. Nature, 2011, 476, 429-433.	27.8	1,114
88	A fibre-optic UV system for H ₂ SO ₄ production in aerosol chambers causing minimal thermal effects. Journal of Aerosol Science, 2011, 42, 532-543.	3.8	44
89	In situ measurements of tropical cloud properties in the West African Monsoon: upper tropospheric ice clouds, Mesoscale Convective System outflow, and subvisual cirrus. Atmospheric Chemistry and Physics, 2011, 11, 5569-5590.	4.9	59
90	In situ observations of new particle formation in the tropical upper troposphere: the role of clouds and the nucleation mechanism. Atmospheric Chemistry and Physics, 2011, 11, 9983-10010.	4.9	66

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91	Characterization of a Newly Developed Aircraft-Based Laser Ablation Aerosol Mass Spectrometer (ALABAMA) and First Field Deployment in Urban Pollution Plumes over Paris During MEGAPOLI 2009. <i>Aerosol Science and Technology</i> , 2011, 45, 46-64.	3.1	53
92	Performance of a corona ion source for measurement of sulfuric acid by chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 437-443.	3.1	71
93	Aerosols in the tropical and subtropical UT/LS: in-situ measurements of submicron particle abundance and volatility. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5573-5592.	4.9	59
94	Chemical composition of ambient aerosol, ice residues and cloud droplet residues in mixed-phase clouds: single particle analysis during the Cloud and Aerosol Characterization Experiment (CLACE 6). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8077-8095.	4.9	127
95	Single particle characterization of black carbon aerosols at a tropospheric alpine site in Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7389-7407.	4.9	109
96	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1635-1647.	4.9	96
97	Laboratory study on new particle formation from the reaction $\text{OH} + \text{SO}_2$: influence of experimental conditions, H_2O vapour, NH_3 and the amine tert-butylamine on the overall process. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7101-7116.	4.9	194
98	Enhanced organic mass fraction and decreased hygroscopicity of cloud condensation nuclei (CCN) during new particle formation events. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	138
99	Experimental characterization of the CONDensation PARTICle counting System for high altitude aircraft-borne application. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 243-258.	3.1	47
100	Nucleation of atmospheric particles. <i>EPJ Web of Conferences</i> , 2009, 1, 199-209.	0.3	11
101	Inadvertent climate modification due to anthropogenic lead. <i>Nature Geoscience</i> , 2009, 2, 333-336.	12.9	91
102	Characterization of a Modified Expansion Condensation Particle Counter for Detection of Nanometer-Sized Particles. <i>Aerosol Science and Technology</i> , 2009, 43, 767-780.	3.1	12
103	Trace Detection of Organic Compounds in Complex Sample Matrixes by Single Photon Ionization Ion Trap Mass Spectrometry: Real-Time Detection of Security-Relevant Compounds and Online Analysis of the Coffee-Roasting Process. <i>Analytical Chemistry</i> , 2009, 81, 4456-4467.	6.5	38
104	Evidence for ice particles in the tropical stratosphere from in-situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6775-6792.	4.9	100
105	Quantifying transport into the lowermost stratosphere using simultaneous in-situ measurements of SF_6 and CO_2 . <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5905-5919.	4.9	94
106	Comparison of Two Aerodynamic Lenses as an Inlet for a Single Particle Laser Ablation Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2008, 42, 970-980.	3.1	26
107	Detection of security relevant substances within the cooperative project SAFE XUV. , 2008, , .		0
108	Applicability of condensation particle counters to measure atmospheric clusters. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4049-4060.	4.9	74

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109	Development and characterization of an ion trap mass spectrometer for the on-line chemical analysis of atmospheric aerosol particles. <i>International Journal of Mass Spectrometry</i> , 2007, 265, 30-39.	1.5	15
110	Atmospheric Ion-induced Aerosol Nucleation. <i>Space Science Reviews</i> , 2007, 125, 159-167.	8.1	66
111	Nucleation of atmospheric aerosol particles. <i>Comptes Rendus Physique</i> , 2006, 7, 1027-1045.	0.9	116
112	Measurement of fine particulate and gas-phase species during the New Year's fireworks 2005 in Mainz, Germany. <i>Atmospheric Environment</i> , 2006, 40, 4316-4327.	4.1	196
113	Digital crossed-beam holography for in situ imaging of atmospheric ice particles. <i>Journal of Optics</i> , 2006, 8, 796-806.	1.5	29
114	Size Matters More Than Chemistry for Cloud-Nucleating Ability of Aerosol Particles. <i>Science</i> , 2006, 312, 1375-1378.	12.6	871
115	Observations of meteoric material and implications for aerosol nucleation in the winter Arctic lower stratosphere derived from in situ particle measurements. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 3053-3069.	4.9	113
116	Nitric Acid Trihydrate (NAT) formation at low NAT supersaturation in Polar Stratospheric Clouds (PSCs). <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1371-1380.	4.9	160
117	Characterization of an Automated, Water-Based Expansion Condensation Nucleus Counter for Ultrafine Particles. <i>Aerosol Science and Technology</i> , 2005, 39, 1174-1183.	3.1	18
118	Firework Emissions for Satellite Validation?. <i>Environmental Chemistry</i> , 2005, 2, 94.	1.5	4
119	Kinetics, thermodynamics, and ab initio calculations of $\text{HSO}_3^-(\text{H}_2\text{SO}_4)_x$ ($x=1-3$) cluster ions. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 9-15.	1.5	6
120	Atmospheric ion-induced nucleation of sulfuric acid and water. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	251
121	ION-INDUCED NUCLEATION OF SULFURIC ACID AND WATER IN THE ATMOSPHERE: KINETIC NUCLEATION MODELING WITH MEASURED THERMOCHEMISTRY. <i>Journal of Aerosol Science</i> , 2004, 35, S1193-S1194.	3.8	0
122	Laboratory studies of the homogeneous nucleation of iodine oxides. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 19-34.	4.9	140
123	Influence of fuel sulfur on the composition of aircraft exhaust plumes: The experiments SULFUR 7. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 2-1.	3.3	108
124	Sulfuric acid measurements in the exhaust plume of a jet aircraft in flight: Implications for the sulfuric acid formation efficiency. <i>Geophysical Research Letters</i> , 2002, 29, 17-1.	4.0	24
125	Lasing on a cloudy afternoon. <i>Nature</i> , 2002, 418, 826-827.	27.8	26
126	Measurement of aerosol sulfuric acid: 1. Experimental setup, characterization, and calibration of a novel mass spectrometric system. <i>Journal of Geophysical Research</i> , 2001, 106, 31965-31974.	3.3	8

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127	Measurement of aerosol sulfuric acid: 2. Pronounced layering in the free troposphere during the second Aerosol Characterization Experiment (ACE 2). <i>Journal of Geophysical Research</i> , 2001, 106, 31975-31990.	3.3	28
128	Cluster Ion Thermal Decomposition (I): Experimental Kinetics Study and ab Initio Calculations for $\text{HSO}_4\text{-(H}_2\text{SO}_4)_x\text{(HNO}_3)_y$. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10867-10873.	2.5	66
129	Cluster Ion Thermal Decomposition (II): Master Equation Modeling in the Low-Pressure Limit and Fall-Off Regions. Bond Energies for $\text{HSO}_4\text{-(H}_2\text{SO}_4)_x\text{(HNO}_3)_y$. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10874-10883.	2.5	54
130	Aerosol production and growth in the upper free troposphere. <i>Journal of Geophysical Research</i> , 2000, 105, 24751-24762.	3.3	42
131	The temporal evolution of the ratio HNO_3/NO_y in the Arctic lower stratosphere from January to March 1997. <i>Geophysical Research Letters</i> , 1999, 26, 1125-1128.	4.0	18
132	Detection of massive negative chemiions in the exhaust plume of a jet aircraft in flight. <i>Geophysical Research Letters</i> , 1999, 26, 1577-1580.	4.0	23
133	Observation of NO_y uptake by particles in the Arctic tropopause region at low temperatures. <i>Geophysical Research Letters</i> , 1999, 26, 2215-2218.	4.0	23
134	HNO_3 partitioning in cirrus clouds. <i>Geophysical Research Letters</i> , 1999, 26, 2207-2210.	4.0	32
135	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 30, 3-10.	3.2	38
136	Indications for aerosol growth in the free troposphere during the ACE-2 experiment. <i>Journal of Aerosol Science</i> , 1998, 29, S1099-S1100.	3.8	0
137	First direct sulfuric acid detection in the exhaust plume of a jet aircraft in flight. <i>Geophysical Research Letters</i> , 1998, 25, 923-926.	4.0	53