

Joachim Curtius

List of Publications by Year in descending order

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137
papers

12,646
citations

28242

55
h-index

29127

104
g-index

210
all docs

210
docs citations

210
times ranked

6928
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. <i>Nature</i> , 2011, 476, 429-433.	13.7	1,114
2	Size Matters More Than Chemistry for Cloud-Nucleating Ability of Aerosol Particles. <i>Science</i> , 2006, 312, 1375-1378.	6.0	871
3	Molecular understanding of sulphuric acid–amine particle nucleation in the atmosphere. <i>Nature</i> , 2013, 502, 359-363.	13.7	774
4	The role of low-volatility organic compounds in initial particle growth in the atmosphere. <i>Nature</i> , 2016, 533, 527-531.	13.7	540
5	Ion-induced nucleation of pure biogenic particles. <i>Nature</i> , 2016, 533, 521-526.	13.7	528
6	Oxidation Products of Biogenic Emissions Contribute to Nucleation of Atmospheric Particles. <i>Science</i> , 2014, 344, 717-721.	6.0	456
7	New particle formation in the free troposphere: A question of chemistry and timing. <i>Science</i> , 2016, 352, 1109-1112.	6.0	348
8	Molecular understanding of atmospheric particle formation from sulfuric acid and large oxidized organic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17223-17228.	3.3	300
9	Global atmospheric particle formation from CERN CLOUD measurements. <i>Science</i> , 2016, 354, 1119-1124.	6.0	289
10	Atmospheric ion-induced nucleation of sulfuric acid and water. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	251
11	Neutral molecular cluster formation of sulfuric acid–dimethylamine observed in real time under atmospheric conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15019-15024.	3.3	208
12	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.	1.9	200
13	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.	1.2	198
14	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.	1.9	196
15	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.	1.9	194
16	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. <i>Nature</i> , 2020, 581, 184-189.	13.7	169
17	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018, 4, eaau5363.	4.7	164
18	Nitric Acid Trihydrate (NAT) formation at low NAT supersaturation in Polar Stratospheric Clouds (PSCs). <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1371-1380.	1.9	160

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19	Laboratory studies of the homogeneous nucleation of iodine oxides. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 19-34.	1.9	140
20	Enhanced organic mass fraction and decreased hygroscopicity of cloud condensation nuclei (CCN) during new particle formation events. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	138
21	Calibration of a Chemical Ionization Mass Spectrometer for the Measurement of Gaseous Sulfuric Acid. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6375-6386.	1.1	132
22	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.	1.9	127
23	ACRIDICONâ€“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.	1.7	124
24	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.	1.5	119
25	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.	3.3	118
26	Nucleation of atmospheric aerosol particles. <i>Comptes Rendus Physique</i> , 2006, 7, 1027-1045.	0.3	116
27	The effect of acidâ€“base clustering and ions on the growth of atmospheric nano-particles. <i>Nature Communications</i> , 2016, 7, 11594.	5.8	116
28	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.	1.9	113
29	PTR3: An Instrument for Studying the Lifecycle of Reactive Organic Carbon in the Atmosphere. <i>Analytical Chemistry</i> , 2017, 89, 5824-5831.	3.2	112
30	Single particle characterization of black carbon aerosols at a tropospheric alpine site in Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7389-7407.	1.9	109
31	Influence of fuel sulfur on the composition of aircraft exhaust plumes: The experiments SULFUR 1â€“7. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 2-1.	3.3	108
32	Intercomparing different devices for the investigation of ice nucleating particles using Snomax<sup>®</sup> as test substance. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1463-1485.	1.9	108
33	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.	3.3	107
34	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.	1.7	107
35	Evidence for ice particles in the tropical stratosphere from in-situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6775-6792.	1.9	100
36	Effect of ions on sulfuric acidâ€“water binary particle formation: 2. Experimental data and comparison with QCâ€“normalized classical nucleation theory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1752-1775.	1.2	99

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37	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1635-1647.	1.9	96
38	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.	1.9	94
39	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021, 371, 589-595.	6.0	94
40	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.	1.9	92
41	Inadvertent climate modification due to anthropogenic lead. <i>Nature Geoscience</i> , 2009, 2, 333-336.	5.4	91
42	Characterization of the mass-dependent transmission efficiency of a CIMS. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1449-1460.	1.2	85
43	On the composition of ammonia–sulfuric-acid ion clusters during aerosol particle formation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 55-78.	1.9	84
44	Contribution of sulfuric acid and oxidized organic compounds to particle formation and growth. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9427-9439.	1.9	76
45	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.	1.9	76
46	Applicability of condensation particle counters to measure atmospheric clusters. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4049-4060.	1.9	74
47	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.	1.2	71
48	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.	1.2	71
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.	1.9	71
50	Molecular understanding of new-particle formation from α -pinene between \sim 50 and +25% Δ T. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9183-9207.	1.9	68
51	Cluster Ion Thermal Decomposition (I): Experimental Kinetics Study and ab Initio Calculations for HSO ₄ -(H ₂ SO ₄) _x (HNO ₃) _y . <i>Journal of Physical Chemistry A</i> , 2001, 105, 10867-10873.	1.1	66
52	Atmospheric Ion-induced Aerosol Nucleation. <i>Space Science Reviews</i> , 2007, 125, 159-167.	3.7	66
53	In situ observations of new particle formation in the tropical upper troposphere: the role of clouds and the nucleation mechanism. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9983-10010.	1.9	66
54	Performance of diethylene glycol-based particle counters in the sub-3 nm size range. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1793-1804.	1.2	63

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55	Atmospheric ice nuclei in the Eyjafjallajökull volcanic ash plume. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 857-867.	1.9	62
56	Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4817-4835.	1.9	62
57	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945.	4.7	61
58	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.	1.9	59
59	In situ measurements of tropical cloud properties in the West African Monsoon: upper tropospheric ice clouds, Mesoscale Convective System outflow, and subvisual cirrus. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5569-5590.	1.9	59
60	Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7359-7372.	1.9	58
61	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.	1.9	56
62	Cluster Ion Thermal Decomposition (II): Master Equation Modeling in the Low-Pressure Limit and Fall-Off Regions. Bond Energies for HSO ₄ -(H ₂ SO ₄) _x (HNO ₃) _y . <i>Journal of Physical Chemistry A</i> , 2001, 105, 10874-10883.	1.1	54
63	First direct sulfuric acid detection in the exhaust plume of a jet aircraft in flight. <i>Geophysical Research Letters</i> , 1998, 25, 923-926.	1.5	53
64	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.	1.5	53
65	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.	1.2	52
66	Insight into Acid-Base Nucleation Experiments by Comparison of the Chemical Composition of Positive, Negative, and Neutral Clusters. <i>Environmental Science & Technology</i> , 2014, 48, 13675-13684.	4.6	51
67	The role of ions in new particle formation in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15181-15197.	1.9	50
68	Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11809-11821.	1.9	49
69	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.	1.9	48
70	Experimental characterization of the COndensation PArTicle counting System for high altitude aircraft-borne application. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 243-258.	1.2	47
71	Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1693-1712.	1.9	47
72	Experimental investigation of ion-ion recombination under atmospheric conditions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7203-7216.	1.9	46

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73	A fibre-optic UV system for H ₂ SO ₄ production in aerosol chambers causing minimal thermal effects. <i>Journal of Aerosol Science</i> , 2011, 42, 532-543.	1.8	44
74	Aerosol production and growth in the upper free troposphere. <i>Journal of Geophysical Research</i> , 2000, 105, 24751-24762.	3.3	42
75	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.	1.9	39
76	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 30, 3-10.	1.4	38
77	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.	3.2	38
78	Single-particle characterization of ice-nucleating particles and ice particle residuals sampled by three different techniques. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4161-4178.	1.9	38
79	The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14275-14291.	1.9	38
80	Evolution of particle composition in CLOUD nucleation experiments. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5587-5600.	1.9	33
81	On the derivation of particle nucleation rates from experimental formation rates. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4063-4075.	1.9	33
82	HNO ₃ partitioning in cirrus clouds. <i>Geophysical Research Letters</i> , 1999, 26, 2207-2210.	1.5	32
83	Molecular Composition and Volatility of Nucleated Particles from Î±-Pinene Oxidation between -50 Å°C and +25 Å°C. <i>Environmental Science & Technology</i> , 2019, 53, 12357-12365.	4.6	32
84	Bisulfate - cluster based atmospheric pressure chemical ionization mass spectrometer for high-sensitivity (< 100 ppqV) detection of atmospheric dimethyl amine: proof-of-concept and first ambient data from boreal forest. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4001-4011.	1.2	30
85	Digital crossed-beam holography for in situ imaging of atmospheric ice particles. <i>Journal of Optics</i> , 2006, 8, 796-806.	1.5	29
86	Influence of aerosol lifetime on the interpretation of nucleation experiments with respect to the first nucleation theorem. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11465-11471.	1.9	29
87	Hygroscopicity of nanoparticles produced from homogeneous nucleation in the CLOUD experiments. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 293-304.	1.9	29
88	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
89	Thermodynamics of the formation of sulfuric acid dimers in the binary (H ₂ O) ₂ /SO ₂ and ternary (H ₂ O) ₂ /SO ₂ /H ₂ O system. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10701-10721.	1.9	27
90	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.	1.2	27

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91	Lasing on a cloudy afternoon. <i>Nature</i> , 2002, 418, 826-827.	13.7	26
92	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.	1.5	26
93	Synergistic HNO ₃ + H ₂ SO ₄ + NH ₃ upper tropospheric particle formation. <i>Nature</i> , 2022, 605, 483-489.	13.7	26
94	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.	1.5	24
95	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.	1.9	24
96	Detection of massive negative chemiions in the exhaust plume of a jet aircraft in flight. <i>Geophysical Research Letters</i> , 1999, 26, 1577-1580.	1.5	23
97	Observation of NO _y uptake by particles in the Arctic tropopause region at low temperatures. <i>Geophysical Research Letters</i> , 1999, 26, 2215-2218.	1.5	23
98	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.	1.9	21
99	Measurement of ammonia, amines and iodine compounds using protonated water cluster chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2501-2522.	1.2	21
100	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.	1.5	18
101	Characterization of an Automated, Water-Based Expansion Condensation Nucleus Counter for Ultrafine Particles. <i>Aerosol Science and Technology</i> , 2005, 39, 1174-1183.	1.5	18
102	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.	1.5	18
103	Elemental composition and clustering behaviour of α -pinene oxidation products for different oxidation conditions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4145-4159.	1.9	17
104	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.	1.2	17
105	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.	1.2	16
106	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.	1.2	16
107	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.	0.7	15
108	Measurement of iodine species and sulfuric acid using bromide chemical ionization mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4187-4202.	1.2	13

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109	Characterization of a Modified Expansion Condensation Particle Counter for Detection of Nanometer-Sized Particles. <i>Aerosol Science and Technology</i> , 2009, 43, 767-780.	1.5	12
110	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.	1.9	12
111	Nucleation of atmospheric particles. <i>EPJ Web of Conferences</i> , 2009, 1, 199-209.	0.1	11
112	Technical Note: Using DEG-CPCs at upper tropospheric temperatures. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7547-7555.	1.9	11
113	Evaporation of sulfate aerosols at low relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8923-8938.	1.9	11
114	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. <i>Environmental Science Atmospheres</i> , 2021, 1, 434-448.	0.9	10
115	Field evaluation of a Portable Fine Particle Concentrator (PFPC) for ice nucleating particle measurements. <i>Aerosol Science and Technology</i> , 2019, 53, 1067-1078.	1.5	9
116	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
117	Survival of newly formed particles in haze conditions. <i>Environmental Science Atmospheres</i> , 2022, 2, 491-499.	0.9	8
118	Effect of ions on the measurement of sulfuric acid in the CLOUD experiment at CERN. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3849-3859.	1.2	7
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.	0.7	6
120	Characterization of Aerosol Particles Produced by a Skyscraper Demolition by Blasting. <i>Journal of Aerosol Science</i> , 2017, 112, 11-18.	1.8	6
121	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.	1.9	6
122	Firework Emissions for Satellite Validation?. <i>Environmental Chemistry</i> , 2005, 2, 94.	0.7	4
123	Characterization of diethylene glycol-condensation particle counters for detection of sub-3 nm particles. , 2013, , .		2
124	Role of organics in particle nucleation: From the lab to global model. , 2013, , .		1
125	Measurements of IN and BIO-IN with the fast ice nucleus chamber FINCH at Mt. Zugspitze, Mt. Puy de Dôme and Jungfrauoch during fall and winter. , 2013, , .		1
126	Evolution of nanoparticle composition in CLOUD in presence of sulphuric acid, ammonia and organics. , 2013, , .		1

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127	Multi-species nucleation rates in CLOUD. , 2013, , .		1
128	Nucleation modeling of the Antarctic stratospheric CN layer and derivation of sulfuric acid profiles. Atmospheric Chemistry and Physics, 2017, 17, 7581-7591.	1.9	1
129	Indications for aerosol growth in the free troposphere during the ACE-2 experiment. Journal of Aerosol Science, 1998, 29, S1099-S1100.	1.8	0
130	ION-INDUCED NUCLEATION OF SULFURIC ACID AND WATER IN THE ATMOSPHERE: KINETIC NUCLEATION MODELING WITH MEASURED THERMOCHEMISTRY. Journal of Aerosol Science, 2004, 35, S1193-S1194.	1.8	0
131	Detection of security relevant substances within the cooperative project SAFE XUV. , 2008, , .		0
132	Ternary H ₂ SO ₄ -H ₂ O-NH ₃ neutral and charged nucleation rates for a wide range of atmospheric conditions. , 2013, , .		0
133	Measurement of neutral sulfuric acid-dimethylamine clusters using CI-API-TOF-MS. , 2013, , .		0
134	A double inversion: Size and time resolved growth rates for aerosol particles in the CERN CLOUD experiment. , 2013, , .		0
135	Particle nucleation events at the high Alpine station Jungfraujoch. , 2013, , .		0
136	Simulation of ion-induced nucleation in the CLOUD chamber. , 2013, , .		0
137	Experimental study on the influence of dimethylamine on the detection of gas phase sulfuric acid using chemical ionization mass spectrometry (CIMS). , 2013, , .		0