

Ternary nucleation of H<sub>2</sub>SO<sub>4</sub>, NH<sub>3</sub>, and H<sub>2</sub>O in the atmosphere

Journal of Geophysical Research

104, 26349-26353

DOI: [10.1029/1999jd900784](https://doi.org/10.1029/1999jd900784)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Stable sulphate clusters as a source of new atmospheric particles. <i>Nature</i> , 2000, 404, 66-69.	13.7	584
2	Formation and cycling of aerosols in the global troposphere. <i>Atmospheric Environment</i> , 2000, 34, 4215-4240.	1.9	386
3	Ternary nucleation of H <sub>2</sub> SO <sub>4</sub> , NH <sub>3</sub> and H <sub>2</sub> O. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
4	Long-term measurements of events of new particle formation at Hohenpeissenberg: Methods of analysis and climatology. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
5	Application of nucleation theories to atmospheric aerosol formation. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	5
6	The homogeneous heteromolecular nucleation of sulphuric acid, water and ammonia in the coastal environment. <i>Journal of Aerosol Science</i> , 2000, 31, 652-653.	1.8	0
7	A model prediction of the yield of CCN from tidal-related nucleation events. <i>Journal of Aerosol Science</i> , 2000, 31, 654-655.	1.8	1
8	Development of particle size and composition distribution with aerosol dynamics model AEROFOR2. <i>Journal of Aerosol Science</i> , 2000, 31, 936-937.	1.8	2
9	Observations of new particle production in the atmosphere of a moderately polluted site in eastern England. <i>Journal of Geophysical Research</i> , 2000, 105, 17819-17832.	3.3	36
10	Can new particle formation occur in the clean marine boundary layer?. <i>Journal of Geophysical Research</i> , 2000, 105, 26531-26546.	3.3	100
11	Measurement of number, mass and size distribution of particles in the atmosphere. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 2567-2580.	1.6	121
12	New particle formation in the continental boundary layer: Meteorological and gas phase parameter influence. <i>Geophysical Research Letters</i> , 2000, 27, 3325-3328.	1.5	208
13	Evolution of newly formed aerosol particles in the continental boundary layer: A case study including OH and H <sub>2</sub> SO <sub>4</sub> measurements. <i>Geophysical Research Letters</i> , 2000, 27, 2205-2208.	1.5	75
14	The effect of atmospheric waves on aerosol nucleation and size distribution. <i>Journal of Geophysical Research</i> , 2000, 105, 19917-19926.	3.3	29
15	How significantly does coagulative scavenging limit atmospheric particle production?. <i>Journal of Geophysical Research</i> , 2001, 106, 24119-24125.	3.3	127
16	Vertical and horizontal distributions of the aerosol number concentration and size distribution over the northern Indian Ocean. <i>Journal of Geophysical Research</i> , 2001, 106, 28629-28641.	3.3	72
17	Description and evaluation of a six-moment aerosol microphysical module for use in atmospheric chemical transport models. <i>Journal of Geophysical Research</i> , 2001, 106, 20275-20291.	3.3	26
18	Experimental and modeling studies of secondary organic aerosol formation and some applications to the marine boundary layer. <i>Journal of Geophysical Research</i> , 2001, 106, 27619-27634.	3.3	24

#	ARTICLE	IF	CITATIONS
19	Nucleation in the equatorial Pacific during PEM-Tropics B: Enhanced boundary layer H <sub>2</sub> SO <sub>4</sub> with no particle production. <i>Journal of Geophysical Research</i> , 2001, 106, 32767-32776.	3.3	21
20	On the contribution of lightning to ultrafine aerosol formation. <i>Geophysical Research Letters</i> , 2001, 28, 155-158.	1.5	10
21	Measurements of enhanced H <sub>2</sub> SO <sub>4</sub> and 3-4 nm particles near a frontal cloud during the First Aerosol Characterization Experiment (ACE 1). <i>Journal of Geophysical Research</i> , 2001, 106, 24107-24117.	3.3	83
22	Hygroscopic properties of aerosol particles over the central Arctic Ocean during summer. <i>Journal of Geophysical Research</i> , 2001, 106, 32111-32123.	3.3	99
23	Atmospheric program on the Arctic Ocean Expedition 1996 (AOE-96): An overview of scientific goals, experimental approach, and instruments. <i>Journal of Geophysical Research</i> , 2001, 106, 32051-32067.	3.3	78
24	From molecular clusters to nanoparticles: Role of ambient ionization in tropospheric aerosol formation. <i>Journal of Geophysical Research</i> , 2001, 106, 4797-4814.	3.3	330
25	Analysis of particle formation bursts observed in Finland. <i>Journal of Aerosol Science</i> , 2001, 32, 217-236.	1.8	42
28	Effects of air masses and synoptic weather on aerosol formation in the continental boundary layer. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 462.	0.8	70
29	Modelling of aerosol processes in plumes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001, 53, 83-93.	0.8	1
31	Overview of the international project on biogenic aerosol formation in the boreal forest (BIOFOR). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 324.	0.8	209
32	New particle formation of ternary droplets in the atmosphere – a steady-state nucleation kinetics approach. <i>Atmospheric Environment</i> , 2001, 35, 599-607.	1.9	6
33	From binary and ternary to multicomponent nucleation: Atmospheric aerosol formation. <i>Journal of Chemical Physics</i> , 2001, 115, 2641-2651.	1.2	5
34	Chapter 18 Formation and cycling of aerosols in the global troposphere. <i>Developments in Environmental Science</i> , 2002, , 519-563.	0.5	4
35	An improved model for hydrate formation in sulfuric acid-water nucleation. <i>Journal of Chemical Physics</i> , 2002, 116, 218.	1.2	107
36	Ternary nucleation of inorganic acids, ammonia, and water. <i>Journal of Chemical Physics</i> , 2002, 117, 8418-8425.	1.2	46
37	An improved model for ternary nucleation of sulfuric acid-ammonia-water. <i>Journal of Chemical Physics</i> , 2002, 116, 4221-4227.	1.2	96
38	Application of the variability-size relationship to atmospheric aerosol studies: estimating aerosol lifetimes and ages. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 133-145.	1.9	127
39	Nucleation events in the continental boundary layer: Influence of physical and meteorological parameters. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 1-16.	1.9	169

#	ARTICLE	IF	CITATIONS
40	The part of the solar spectrum with the highest influence on the formation of SOA in the continental boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 375-386.	1.9	25
41	Effect of NO <sub>2</sub> on Particle Formation in SO <sub>2</sub> /H <sub>2</sub> O/Air Mixtures by Ion-Induced and Homogeneous Nucleation. <i>Aerosol Science and Technology</i> , 2002, 36, 941-952.	1.5	16
42	A dedicated study of New Particle Formation and Fate in the Coastal Environment (PARFORCE): Overview of objectives and achievements. <i>Journal of Geophysical Research</i> , 2002, 107, PAR 1-1.	3.3	165
43	Aerosol formation during PARFORCE: Ternary nucleation of H <sub>2</sub> SO <sub>4</sub> , NH <sub>3</sub> , and H <sub>2</sub> O. <i>Journal of Geophysical Research</i> , 2002, 107, PAR 15-1.	3.3	75
44	Predicting global aerosol size distributions in general circulation models. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 4-1.	3.3	335
45	Measurement of prenucleation molecular clusters in the NH <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O system. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 10-1.	3.3	102
46	Condensation/evaporation of insoluble organic vapor as functions of source rate and saturation vapor pressure. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 1-1-ACH 1-9.	3.3	6
47	Concentration trends and mixing states of particulate oxalate in Arctic boundary layer in winter/spring. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 12-1.	3.3	14
48	Parametrization of ternary nucleation rates for H <sub>2</sub> SO <sub>4</sub> -NH <sub>3</sub> -H <sub>2</sub> O vapors. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 6-1.	3.3	235
49	A hypothesis for growth of fresh atmospheric nuclei. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 15-1-AAC 15-6.	3.3	70
50	An improved parameterization for sulfuric acid-water nucleation rates for tropospheric and stratospheric conditions. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 3-1.	3.3	492
51	Monitoring ammonia in urban, inner alpine and pre-alpine ambient air. <i>Journal of Environmental Monitoring</i> , 2002, 4, 205-209.	2.1	22
52	Analytical formulae connecting the "real" and the "apparent" nucleation rate and the nuclei number concentration for atmospheric nucleation events. <i>Journal of Aerosol Science</i> , 2002, 33, 609-622.	1.8	344
53	Coastal new particle formation: Environmental conditions and aerosol physicochemical characteristics during nucleation bursts. <i>Journal of Geophysical Research</i> , 2002, 107, PAR 12-1.	3.3	121
54	A model prediction of the yield of cloud condensation nuclei from coastal nucleation events. <i>Journal of Geophysical Research</i> , 2002, 107, PAR 3-1.	3.3	34
55	Gas-aerosol relationships of H <sub>2</sub> SO <sub>4</sub> , MSA, and OH: Observations in the coastal marine boundary layer at Mace Head, Ireland. <i>Journal of Geophysical Research</i> , 2002, 107, PAR 5-1.	3.3	137
56	Cosmic Rays, Clouds, and Climate. <i>Science</i> , 2002, 298, 1732-1737.	6.0	506
57	Small-particle concentration fluctuations at a coastal site. <i>Atmospheric Research</i> , 2002, 63, 247-269.	1.8	2

#	ARTICLE	IF	CITATIONS
58	Marine aerosol formation from biogenic iodine emissions. <i>Nature</i> , 2002, 417, 632-636.	13.7	705
59	Modelling of the influence of aerosol processes for the dispersion of vehicular exhaust plumes in street environment. <i>Atmospheric Environment</i> , 2003, 37, 339-351.	1.9	61
60	Chemical evolution and dispersion of ship plumes in the remote marine boundary layer: investigation of sulfur chemistry. <i>Atmospheric Environment</i> , 2003, 37, 2663-2679.	1.9	31
61	Primary particle formation from vehicle emissions during exhaust dilution in the roadside atmosphere. <i>Atmospheric Environment</i> , 2003, 37, 4109-4119.	1.9	319
62	Models of Community Multiscale Air Quality (CMAQ) model aerosol component 1. Model description. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	687
63	Observations of new particle formation in urban air. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	121
64	A monodisperse aerosol dynamics module, a promising candidate for use in long-range transport models: Box model tests. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	33
65	New particle formation in anthropogenic plumes advecting from Asia observed during TRACE-P. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	50
66	Nucleation rate of particles in the lower atmosphere: Estimated time needed to reach pseudo-steady state and sensitivity to H <sub>2</sub> SO <sub>4</sub> gas concentration. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	12
67	Uptake of neutral polar vapor molecules by charged clusters/particles: Enhancement due to dipole-charge interaction. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	102
68	Nucleation events in the continental boundary layer: Long-term statistical analyses of aerosol relevant characteristics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	61
69	Particle Formation by Ion Nucleation in the Upper Troposphere and Lower Stratosphere. <i>Science</i> , 2003, 301, 1886-1889.	6.0	330
70	Tropospheric Aerosols. , 2003, , 91-142.		9
71	Simulating gas-aerosol-cirrus interactions: Process-oriented microphysical model and applications. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1645-1664.	1.9	38
72	The Hohenpeissenberg aerosol formation experiment (HAFEX): a long-term study including size-resolved aerosol, H <sub>2</sub> O <sub>2</sub> , SO <sub>2</sub> , OH, and monoterpene measurements. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 361-376.	1.9	259
73	Particle formation at a continental background site: comparison of model results with observations. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 347-359.	1.9	14
74	ATMOSPHERIC PARTICLE FORMATION FROM H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O: AN EXPERIMENTAL STUDY. <i>Journal of Aerosol Science</i> , 2004, 35, S989-S990.	1.8	0
75	PHOTO STATIONARY CALCULATIONS OF SULPHURIC ACID AND ITS CONTRIBUTION TO NUCLEATION MODE PARTICLE GROWTH. <i>Journal of Aerosol Science</i> , 2004, 35, S1231-S1232.	1.8	0

#	ARTICLE	IF	CITATIONS
76	Binary homogeneous nucleation in water-succinic acid and water-glutaric acid systems. Journal of Chemical Physics, 2004, 120, 282-291.	1.2	40
77	Atmospheric particle formation from the ozonolysis of alkenes in the presence of SO <sub>2</sub> . Atmospheric Environment, 2004, 38, 2145-2153.	1.9	23
78	Monitoring of atmospheric particulate matter around sources of secondary inorganic aerosol. Atmospheric Environment, 2004, 38, 4979-4992.	1.9	70
79	Air pollution: A half century of progress. AIChE Journal, 2004, 50, 1096-1108.	1.8	87
80	Surface Tensions and Densities of Sulfuric Acid + Dimethylamine + Water Solutions. Journal of Chemical & Engineering Data, 2004, 49, 917-922.	1.0	24
81	How important is nucleation in regional/global modelling?. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	24
82	Observations of particle formation and growth in a mountainous forest region in central Europe. Journal of Geophysical Research, 2004, 109, .	3.3	55
83	Gas emissions from soil and leaf litter as a source of new particle formation. Atmospheric Research, 2004, 70, 33-42.	1.8	18
84	Stable Ammonium Bisulfate Clusters in the Atmosphere. Physical Review Letters, 2004, 93, 148501.	2.9	42
85	Parameterization of Turbulence-Enhanced Nucleation in Large Scale Models: Conceptual Study. , 2004, , 295-305.		2
86	Kinetic nucleation and ions in boreal forest particle formation events. Atmospheric Chemistry and Physics, 2004, 4, 2353-2366.	1.9	103
87	Overview of the field measurement campaign in Hyytiälä, August 2001 in the framework of the EU project OSOA. Atmospheric Chemistry and Physics, 2004, 4, 657-678.	1.9	56
88	A look at aerosol formation using data mining techniques. Atmospheric Chemistry and Physics, 2005, 5, 3345-3356.	1.9	87
89	Measurements of organic gases during aerosol formation events in the boreal forest atmosphere during QUEST. Atmospheric Chemistry and Physics, 2005, 5, 373-384.	1.9	90
90	Sulphuric acid closure and contribution to nucleation mode particle growth. Atmospheric Chemistry and Physics, 2005, 5, 863-878.	1.9	178
91	The contribution of sulphuric acid to atmospheric particle formation and growth: a comparison between boundary layers in Northern and Central Europe. Atmospheric Chemistry and Physics, 2005, 5, 1773-1785.	1.9	127
92	Evolution of particle concentration and size distribution observed upwind, inside and downwind hill cap clouds at connected flow conditions during FEBUKO. Atmospheric Environment, 2005, 39, 4233-4245.	1.9	45
93	Nucleation and growth of new particles in the rural atmosphere of Northern Italy—relationship to air quality monitoring. Atmospheric Environment, 2005, 39, 6734-6746.	1.9	72

#	ARTICLE	IF	CITATIONS
94	An Investigation into the Ionic Chemical Composition and Mixing State of Biomass Burning Particles Recorded During TRACE-P P3B Flight#10. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 43-64.	1.4	22
95	Rapid Formation of Sulfuric Acid Particles at Near-Atmospheric Conditions. <i>Science</i> , 2005, 307, 698-700.	6.0	182
96	Surface tensions and densities of H <sub>2</sub> SO <sub>4</sub> + NH <sub>3</sub> + water solutions. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	21
97	Distribution of marine boundary layer ammonia over the Atlantic and Indian Oceans during the Aerosols99 cruise. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
98	Interaction of mineral dust with gas phase nitric acid and sulfur dioxide during the MINATROC II field campaign: First estimate of the uptake coefficient $\Gamma^{\text{HNO}_3}$ from atmospheric data. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	28
99	Measurement of the Thermodynamics of the Hydrated Dimer and Trimer of Sulfuric Acid. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9525-9528.	1.1	99
100	Effect of ammonia on new particle formation: A kinetic H <sub>2</sub> SO <sub>4</sub> -H <sub>2</sub> O-NH <sub>3</sub> nucleation model constrained by laboratory measurements. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	101
101	Emissions of major gaseous and particulate species during experimental burns of southern African biomass. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	84
102	Binary H <sub>2</sub> SO <sub>4</sub> -H <sub>2</sub> O homogeneous nucleation based on kinetic quasi-unary nucleation model: Look-up tables. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	26
103	Formation of atmospheric H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O particles in the absence of organics: A laboratory study. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	50
104	Observations of elevated particle number concentration events at a rural site in New England. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	17
105	Ab Initio and Density Functional Theory Reinvestigation of Gas-Phase Sulfuric Acid Monohydrate and Ammonium Hydrogen Sulfate. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7178-7188.	1.1	92
106	Atmospheric variability and binary homogeneous nucleation: A parametrisation and conditions required for a significant effect. <i>Atmospheric Research</i> , 2006, 82, 503-513.	1.8	7
107	Parameterization of ammonia and water content of atmospheric droplets with fixed number of sulfuric acid molecules. <i>Atmospheric Research</i> , 2006, 82, 514-522.	1.8	4
108	Charging state of atmospheric nanoparticles during the nucleation burst events. <i>Atmospheric Research</i> , 2006, 82, 536-546.	1.8	45
109	From molecular clusters to nanoparticles: second-generation ion-mediated nucleation model. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5193-5211.	1.9	149
110	Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 315-327.	1.9	150
111	Atmospheric sulphuric acid and aerosol formation: implications from atmospheric measurements for nucleation and early growth mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4079-4091.	1.9	444

#	ARTICLE	IF	CITATIONS
112	Columnar modelling of nucleation burst evolution in the convective boundary layer – first results from a feasibility study Part I: Modelling approach. Atmospheric Chemistry and Physics, 2006, 6, 4175-4214.	1.9	18
113	Columnar modelling of nucleation burst evolution in the convective boundary layer – first results from a feasibility study Part III: Preliminary results on physicochemical model performance using two &quot;clean air mass&quot; reference scenarios. Atmospheric Chemistry and Physics, 2006, 6, 4231-4251.	1.9	7
114	Columnar modelling of nucleation burst evolution in the convective boundary layer – first results from a feasibility study Part IV: A compilation of previous observations for valuation of simulation results from a columnar modelling study. Atmospheric Chemistry and Physics, 2006, 6, 4253-4274.	1.9	7
115	Evaluation of Fine Particle Number Concentrations in CMAQ. Aerosol Science and Technology, 2006, 40, 985-996.	1.5	20
116	Nature and evolution of ultrafine aerosol particles in the atmosphere. Izvestiya - Atmospheric and Oceanic Physics, 2006, 42, 663-687.	0.2	4
117	Nucleation of atmospheric aerosol particles. Comptes Rendus Physique, 2006, 7, 1027-1045.	0.3	116
118	Densities of liquid H <sup>+</sup> /NH <sub>4</sub> <sup>+</sup> /SO <sub>4</sub> <sup>2-</sup> /NO <sub>3</sub> <sup>-</sup> /H <sub>2</sub> O solutions at tropospheric temperatures. Atmospheric Environment, 2006, 40, 467-483.	1.9	18
119	A review of dispersion modelling and its application to the dispersion of particles: An overview of different dispersion models available. Atmospheric Environment, 2006, 40, 5902-5928.	1.9	510
120	Connections between atmospheric sulphuric acid and new particle formation during QUEST III&IV campaigns in Heidelberg and Hyyti&A. Atmospheric Chemistry and Physics, 2007, 7, 1899-1914.	1.9	329
121	Concentrations and fluxes of aerosol particles during the LAPBIAT measurement campaign at V&A field station. Atmospheric Chemistry and Physics, 2007, 7, 3683-3700.	1.9	19
122	Computational Study of the Reaction between Biogenic Stabilized Criegee Intermediates and Sulfuric Acid. Journal of Physical Chemistry A, 2007, 111, 3394-3401.	1.1	33
123	A density functional study on water-sulfuric acid-ammonia clusters and implications for atmospheric cluster formation. Journal of Geophysical Research, 2007, 112, .	3.3	111
124	New particle formation in Beijing, China: Statistical analysis of a 1-year data set. Journal of Geophysical Research, 2007, 112, .	3.3	257
125	Ammonia sources, transport, transformation, and deposition in coastal New England during summer. Journal of Geophysical Research, 2007, 112, .	3.3	56
126	New parameterization of sulfuric acid&ammonia&water ternary nucleation rates at tropospheric conditions. Journal of Geophysical Research, 2007, 112, .	3.3	131
127	Factors influencing new particle formation at the rural site, Harwell, United Kingdom. Journal of Geophysical Research, 2007, 112, .	3.3	60
128	Characteristics of particle formation events in the coastal region of Korea in 2005. Atmospheric Environment, 2008, 42, 3729-3739.	1.9	49
129	Ambient nano and ultrafine particles from motor vehicle emissions: Characteristics, ambient processing and implications on human exposure. Atmospheric Environment, 2008, 42, 8113-8138.	1.9	531

#	ARTICLE	IF	CITATIONS
130	Nucleation mode particles in upslope valley winds at Mount Norikura, Japan: Implications for the vertical extent of new particle formation events in the lower troposphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	35
131	On the formation and growth of atmospheric nanoparticles. <i>Atmospheric Research</i> , 2008, 90, 132-150.	1.8	414
132	Characteristic features of air ions at Mace Head on the west coast of Ireland. <i>Atmospheric Research</i> , 2008, 90, 278-286.	1.8	77
133	Importance of the Number of Acid Molecules and the Strength of the Base for Double-Ion Formation in $(\text{H}_2\text{SO}_4)_m(\text{H}_2\text{O})_6$ Clusters. <i>Journal of the American Chemical Society</i> , 2008, 130, 14144-14147.	6.6	34
134	Evaluation of Nucleation Theories in a Sulfur-Rich Environment. <i>Aerosol Science and Technology</i> , 2008, 42, 495-504.	1.5	47
135	Coupling between dimethylsulfide emissions and the ocean - atmosphere exchange of ammonia. <i>Environmental Chemistry</i> , 2008, 5, 259.	0.7	35
136	Multivariate analysis of homogeneous nucleation rate measurements. Nucleation in the p-toluic acid/sulfuric acid/water system. <i>Journal of Chemical Physics</i> , 2008, 128, 064508.	1.2	51
137	Laboratory studies of binary homogeneous nucleation from the $\text{SO}_4/\text{H}_2\text{SO}_4/\text{H}_2\text{O}$ reaction: evaluation of the experimental setup and preliminary results. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4997-5016.	1.9	95
138	Amines are likely to enhance neutral and ion-induced sulfuric acid-water nucleation in the atmosphere more effectively than ammonia. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4095-4103.	1.9	424
139	Rural continental aerosol properties and processes observed during the Hohenpeissenberg Aerosol Characterization Experiment (HAZE2002). <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 603-623.	1.9	49
140	Variation and balance of positive air ion concentrations in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 655-675.	1.9	47
141	Large-scale aircraft observations of ultra-fine and fine particle concentrations in the remote Siberian troposphere: New particle formation studies. <i>Atmospheric Environment</i> , 2009, 43, 1302-1309.	1.9	22
142	Laboratory-measured $\text{H}_2\text{SO}_4/\text{H}_2\text{O}/\text{NH}_3$ ternary homogeneous nucleation rates: Initial observations. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	80
143	Aerosol size distribution modeling with the Community Multiscale Air Quality modeling system in the Pacific Northwest: 2. Parameterizations for ternary nucleation and nucleation mode processes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
144	Hydrogen-Bonding Interaction in Molecular Complexes and Clusters of Aerosol Nucleation Precursors. <i>Journal of Physical Chemistry A</i> , 2009, 113, 680-689.	1.1	183
145	Thermodynamics and Kinetics of Nanoclusters Controlling Gas-to-Particle Nucleation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10354-10370.	1.5	59
146	Coupled IMPACT aerosol and NCAR CAM3 model: Evaluation of predicted aerosol number and size distribution. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
147	Aerosol indirect forcing in a global model with particle nucleation. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 239-260.	1.9	267

#	ARTICLE	IF	CITATIONS
148	Kinetic modeling of nucleation experiments involving SO <sub>2</sub> and OH: new insights into the underlying nucleation mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7913-7922.	1.9	6
149	Particle formation in the Arctic free troposphere during the ASTAR 2004 campaign: a case study on the influence of vertical motion on the binary homogeneous nucleation of H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1105-1120.	1.9	8
150	Laboratory study on new particle formation from the reaction OH + SO <sub>2</sub> : influence of experimental conditions, H <sub>2</sub> O vapour, NH <sub>3</sub> and the amine tert-butylamine on the overall process. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7101-7116.	1.9	194
151	Changes in concentration and size distribution of aerosols during fog over the south Indian Ocean. <i>Journal of Earth System Science</i> , 2010, 119, 479-487.	0.6	9
152	Gaseous and particulate emissions from thermal power plants operating on different technologies. <i>Environmental Monitoring and Assessment</i> , 2010, 166, 625-639.	1.3	10
153	Airborne observations of the effect of a cold front on the aerosol particle size distribution and new particle formation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 944-961.	1.0	5
154	Enhancing effect of dimethylamine in sulfuric acid nucleation in the presence of water – a computational study. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4961-4974.	1.9	245
155	A comparative study of nucleation parameterizations: 1. Examination and evaluation of the formulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
156	New Particle Formation and Growth in the Troposphere. <i>Analytical Chemistry</i> , 2010, 82, 7871-7878.	3.2	80
157	A Computational Fluid Dynamics Approach to Nucleation in the Water-Sulfuric Acid System. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8033-8042.	1.1	22
158	Ion chemistry and source identification of coarse and fine aerosols in an urban area of eastern central India. <i>Atmospheric Research</i> , 2010, 95, 65-76.	1.8	42
159	Computational High-Frequency Overtone Spectra of the Water-Ammonia Complex. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11594-11605.	1.1	20
160	On the sub-micron aerosol size distribution in a coastal-rural site at El Arenosillo Station (SW of Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	32
161	Evaluation on the role of sulfuric acid in the mechanisms of new particle formation for Beijing case. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12663-12671.	1.9	75
162	Spatial and vertical extent of nucleation events in the Midwestern USA: insights from the Nucleation In Forests (NIFTy) experiment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1641-1657.	1.9	37
163	Aerosol nucleation spikes in the planetary boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7171-7184.	1.9	12
164	Atmospheric amines – Part I. A review. <i>Atmospheric Environment</i> , 2011, 45, 524-546.	1.9	725
165	Observations of nucleation of new particles in a volcanic plume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12223-12226.	3.3	38

#	ARTICLE	IF	CITATIONS
167	On-line determination of ammonia at low pptv mixing ratios in the CLOUD chamber. Atmospheric Measurement Techniques, 2012, 5, 1719-1725.	1.2	37
168	Dimethylamine and ammonia measurements with ion chromatography during the CLOUD4 campaign. Atmospheric Measurement Techniques, 2012, 5, 2161-2167.	1.2	47
170	Structure and Energetics of Nanometer Size Clusters of Sulfuric Acid with Ammonia and Dimethylamine. Journal of Physical Chemistry A, 2012, 116, 1030-1040.	1.1	65
171	Aerosol nucleation in an ultra-low ion density environment. Journal of Aerosol Science, 2012, 50, 75-85.	1.8	5
172	New particle formation at a remote site in the eastern Mediterranean. Journal of Geophysical Research, 2012, 117, .	3.3	50
173	Nucleation and Growth of Nanoparticles in the Atmosphere. Chemical Reviews, 2012, 112, 1957-2011.	23.0	938
174	Ab Initio Structural and Vibrational Investigation of Sulfuric Acid Monohydrate. Journal of Physical Chemistry A, 2012, 116, 2867-2879.	1.1	18
175	Physico-Chemical Characteristics of Particulate Emissions from Diesel Engines Fuelled with Waste Cooking Oil Derived Biodiesel and Ultra Low Sulphur Diesel. , 2012, , .		4
176	Five-year roadside measurements of ultrafine particles in a major Canadian city. Atmospheric Environment, 2012, 49, 245-256.	1.9	62
177	Fragmentation Energetics of Clusters Relevant to Atmospheric New Particle Formation. Journal of the American Chemical Society, 2013, 135, 3276-3285.	6.6	42
178	Cluster analysis of roadside ultrafine particle size distributions. Atmospheric Environment, 2013, 70, 64-74.	1.9	20
179	Assessment of the legislated particle number measurement procedure for a Euro 5 and a Euro 6 compliant diesel passenger cars under regulated and unregulated conditions. Journal of Aerosol Science, 2013, 55, 31-47.	1.8	61
180	Vibrational Spectra and Fragmentation Pathways of Size-Selected, D <sub>2</sub> -Tagged Ammonium/Methylammonium Bisulfate Clusters. Journal of Physical Chemistry A, 2013, 117, 13265-13274.	1.1	30
181	SO <sub>2</sub> oxidation and nucleation studies at near-atmospheric conditions in outdoor smog chamber. Environmental Chemistry, 2013, 10, 210.	0.7	10
182	Identification and quantification of particle growth channels during new particle formation. , 2013, , .		0
183	A rotamer energy level study of sulfuric acid. Journal of Chemical Physics, 2013, 139, 144311.	1.2	8
184	COMPASS â€œ COMparative Particle formation in the Atmosphere using portable Simulation chamber Study techniques. Atmospheric Measurement Techniques, 2013, 6, 3407-3423.	1.2	4
185	Identification and quantification of particle growth channels during new particle formation. Atmospheric Chemistry and Physics, 2013, 13, 10215-10225.	1.9	20

#	ARTICLE	IF	CITATIONS
186	Engine Exhaust Solid Sub-23 nm Particles: II. Feasibility Study for Particle Number Measurement Systems. SAE International Journal of Fuels and Lubricants, 0, 7, 935-949.	0.2	47
187	Airâ€“Sea Exchange of Marine Trace Gases. , 2014, , 53-92.		7
188	Tropospheric Aerosols. , 2014, , 95-137.		2
189	The application of wavelet decomposition to quantify the local and regional sources of ultrafine particles in cities. Atmospheric Environment, 2014, 95, 249-257.	1.9	15
190	Adsorption of ammonia on treated stainless steel and polymer surfaces. Applied Physics B: Lasers and Optics, 2014, 115, 185-196.	1.1	61
191	Subâ€“3â€“nm particles observed at the coastal and continental sites in the United States. Journal of Geophysical Research D: Atmospheres, 2014, 119, 860-879.	1.2	26
192	A theoretical study of temperature dependence of cluster formation from sulfuric acid and ammonia. Chemical Physics, 2014, 433, 60-66.	0.9	17
193	Growth of sulphuric acid nanoparticles under wet and dry conditions. Atmospheric Chemistry and Physics, 2014, 14, 6461-6475.	1.9	12
194	Enhancement of atmospheric H&lt;sub&gt;2&gt;/sub&lt;/sub&gt;SO&lt;sub&gt;4&gt;/sub&lt;/sub&gt; / H&lt;sub&gt;2&gt;/sub&lt;/sub&gt;O nucleation: organic oxidation products versus amines. Atmospheric Chemistry and Physics, 2014, 14, 751-764.	1.9	48
195	Total sulfate vs. sulfuric acid monomer concentrations in nucleation studies. Atmospheric Chemistry and Physics, 2015, 15, 3429-3443.	1.9	16
196	The role of organic condensation on ultrafine particle growth during nucleation events. Atmospheric Chemistry and Physics, 2015, 15, 6337-6350.	1.9	23
197	Boundary layer new particle formation over East Antarctic sea ice â€“ possible Hg-driven nucleation?. Atmospheric Chemistry and Physics, 2015, 15, 13339-13364.	1.9	27
198	PM&lt;sub&gt;1&gt;/sub&lt;/sub&gt; geochemical and mineralogical characterization using SEM-EDX to identify particle origin â€“ Agri Valley pilot area (Basilicata, southern Italy). Natural Hazards and Earth System Sciences, 2015, 15, 1551-1561.	1.5	20
199	A long-term study of new particle formation in a coastal environment: Meteorology, gas phase and solar radiation implications. Science of the Total Environment, 2015, 511, 723-737.	3.9	18
200	Observations of Nucleation Mode Particles Formation and Growth on Mount Huang, China. Procedia Engineering, 2015, 102, 1167-1176.	1.2	1
201	New particle formation and growth from methanesulfonic acid, trimethylamine and water. Physical Chemistry Chemical Physics, 2015, 17, 13699-13709.	1.3	88
202	Mechanism of the Gaseous Hydrolysis Reaction of SO<sub>2</sub>: Effects of NH<sub>3</sub> versus H<sub>2</sub>O. Journal of Physical Chemistry A, 2015, 119, 102-111.	1.1	61
203	Implementation of state-of-the-art ternary new-particle formation scheme to the regional chemical transport model PMCAMx-UF in Europe. Geoscientific Model Development, 2016, 9, 2741-2754.	1.3	13

#	ARTICLE	IF	CITATIONS
204	Charging State of Aerosols during Particle Formation Events in an Urban Environment and Its Implications for Ion-Induced Nucleation. <i>Aerosol and Air Quality Research</i> , 2016, 16, 348-360.	0.9	8
205	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
206	Theoretical Studies on Reactions of OH with $H_2SO_4 \cdot NH_3$ Complex and $NH_3$ with $H_2SO_4$ in the Presence of Water. <i>ChemistrySelect</i> , 2016, 1, 1421-1430.	0.7	18
208	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2477-2492.	1.9	47
209	Indirect evidence of the composition of nucleation mode atmospheric particles in the high Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 965-975.	1.2	37
210	Temporal evolution of charged and neutral nanoparticle concentrations during atmospheric new particle formation events and its implications for ion-induced nucleation. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	4
211	Reactions of Methanesulfonic Acid with Amines and Ammonia as a Source of New Particles in Air. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1526-1536.	1.2	115
212	An Observational Case Study on the Influence of Atmospheric Boundary-Layer Dynamics on New Particle Formation. <i>Boundary-Layer Meteorology</i> , 2016, 158, 67-92.	1.2	66
213	Synergistic formation of sulfate and ammonium resulting from reaction between $SO_2$ and $NH_3$ on typical mineral dust. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 956-964.	1.3	66
214	Improvement of a Global High-Resolution Ammonia Emission Inventory for Combustion and Industrial Sources with New Data from the Residential and Transportation Sectors. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2821-2829.	4.6	113
215	Proton Transfer in Mixed Clusters of Methanesulfonic Acid, Methylamine, and Oxalic Acid: Implications for Atmospheric Particle Formation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2377-2385.	1.1	42
216	Cosmic rays, aerosols, clouds, and climate: Recent findings from the CLOUD experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8051-8055.	1.2	23
217	Ion pair particles at the air-water interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12401-12406.	3.3	25
218	Understanding aerosol formation mechanisms in a subtropical atmosphere impacted by biomass burning and agroindustry. <i>Atmospheric Research</i> , 2017, 183, 94-103.	1.8	9
219	New Particle Formation from Methanesulfonic Acid and Amines/Ammonia as a Function of Temperature. <i>Environmental Science &amp; Technology</i> , 2017, 51, 243-252.	4.6	76
220	Estimation of atmospheric particle formation rates through an analytical formula: validation and application in Hyytiälä and Puijo, Finland. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13361-13371.	1.9	1
221	Observational evidence for the formation of DMS-derived aerosols during Arctic phytoplankton blooms. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9665-9675.	1.9	65
222	Different Characteristics of New Particle Formation Events at Two Suburban Sites in Northern China. <i>Atmosphere</i> , 2017, 8, 258.	1.0	6

#	ARTICLE	IF	CITATIONS
223	Hydration of the methanesulfonate-ammonia/amine complex and its atmospheric implications. RSC Advances, 2018, 8, 3250-3263.	1.7	16
224	Vertically resolved concentration and liquid water content of atmospheric nanoparticles at the US DOE Southern Great Plains site. Atmospheric Chemistry and Physics, 2018, 18, 311-326.	1.9	31
225	Current state of aerosol nucleation parameterizations for air-quality and climate modeling. Atmospheric Environment, 2018, 179, 77-106.	1.9	27
226	Physico-Chemical Characterization of Fine and Ultrafine Particles Emitted during Diesel Particulate Filter Active Regeneration of Euro5 Diesel Vehicles. Environmental Science & Technology, 2018, 52, 3312-3319.	4.6	34
227	Synergistic Effect of Ammonia and Methylamine on Nucleation in the Earth's Atmosphere. A Theoretical Study. Journal of Physical Chemistry A, 2018, 122, 3470-3479.	1.1	41
228	Smog chamber study of the role of NH <sub>3</sub> in new particle formation from photo-oxidation of aromatic hydrocarbons. Science of the Total Environment, 2018, 619-620, 927-937.	3.9	31
229	Impacts of Future European Emission Reductions on Aerosol Particle Number Concentrations Accounting for Effects of Ammonia, Amines, and Organic Species. Environmental Science & Technology, 2018, 52, 692-700.	4.6	17
230	H <sub>2</sub> SO <sub>4</sub> -NH <sub>3</sub> -H <sub>2</sub> O ternary ion-mediated nucleation (TIMN): kinetic-based model and comparison with CLOUD measurements. Atmospheric Chemistry and Physics, 2018, 18, 17451-17474.	1.9	52
231	Size resolved chemical composition of nanoparticles from reactions of sulfuric acid with ammonia and dimethylamine. Aerosol Science and Technology, 2018, 52, 1120-1133.	1.5	26
232	The role of nitric acid in atmospheric new particle formation. Physical Chemistry Chemical Physics, 2018, 20, 17406-17414.	1.3	47
233	Role of NH <sub>3</sub> in the Heterogeneous Formation of Secondary Inorganic Aerosols on Mineral Oxides. Journal of Physical Chemistry A, 2018, 122, 6311-6320.	1.1	25
234	Preparation of Ag Nanoparticles in Ammonia by Using EDM and a Study of the Relationships Between Ammonia and Silver Nanoparticles. Journal of Cluster Science, 2018, 29, 1115-1122.	1.7	5
235	Growth rates of fine aerosol particles at a site near Beijing in June 2013. Advances in Atmospheric Sciences, 2018, 35, 209-217.	1.9	45
236	New Particle Formation in the Atmosphere: From Molecular Clusters to Global Climate. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7098-7146.	1.2	185
237	Analysis of new particle formation (NPF) events at nearby rural, urban background and urban roadside sites. Atmospheric Chemistry and Physics, 2019, 19, 5679-5694.	1.9	30
238	New particle formation events observed at the King Sejong Station, Antarctic Peninsula - Part 2: Link with the oceanic biological activities. Atmospheric Chemistry and Physics, 2019, 19, 7595-7608.	1.9	21
239	Observation of atmospheric new particle growth events at the summit of mountain Tai (1534 m) in Central East China. Atmospheric Environment, 2019, 201, 148-157.	1.9	17
240	A proxy for atmospheric daytime gaseous sulfuric acid concentration in urban Beijing. Atmospheric Chemistry and Physics, 2019, 19, 1971-1983.	1.9	46

#	ARTICLE	IF	CITATIONS
241	Impact of a hydrophobic ion on the early stage of atmospheric aerosol formation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22540-22544.	3.3	8
242	Ultrafine Particles in Concern of Vehicular Exhaust—An Overview. Energy, Environment, and Sustainability, 2019, , 7-38.	0.6	2
243	Formation of atmospheric molecular clusters consisting of methanesulfonic acid and sulfuric acid: Insights from flow tube experiments and cluster dynamics simulations. Atmospheric Environment, 2019, 199, 380-390.	1.9	12
244	Particle formation and surface processes on atmospheric aerosols: A review of applied quantum chemical calculations. International Journal of Quantum Chemistry, 2020, 120, e26350.	1.0	30
245	Size-Resolved Chemical Composition of Sub-20 nm Particles from Methanesulfonic Acid Reactions with Methylamine and Ammonia. ACS Earth and Space Chemistry, 2020, 4, 1182-1194.	1.2	20
246	Review of aircraft measurements over China: aerosol, atmospheric photochemistry, and cloud. Atmospheric Research, 2020, 243, 104972.	1.8	8
247	The effect of meteorological conditions and atmospheric composition in the occurrence and development of new particle formation (NPF) events in Europe. Atmospheric Chemistry and Physics, 2021, 21, 3345-3370.	1.9	21
248	Technical note: Emission factors, chemical composition, and morphology of particles emitted from Euro 5 diesel and gasoline light-duty vehicles during transient cycles. Atmospheric Chemistry and Physics, 2021, 21, 4779-4796.	1.9	23
249	Secondary aerosol formation from dimethyl sulfide – improved mechanistic understanding based on smog chamber experiments and modelling. Atmospheric Chemistry and Physics, 2021, 21, 9955-9976.	1.9	24
250	A phenomenology of new particle formation (NPF) at 13 European sites. Atmospheric Chemistry and Physics, 2021, 21, 11905-11925.	1.9	13
251	Derivation and validation of a simplified analytical mass transfer model of the laminar co-flow tube for nucleation studies. International Journal of Heat and Mass Transfer, 2021, 179, 121705.	2.5	0
252	The potential mechanism of atmospheric new particle formation involving amino acids with multiple functional groups. Physical Chemistry Chemical Physics, 2021, 23, 10184-10195.	1.3	9
253	Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. Springer Earth System Sciences, 2014, , 1-54.	0.1	17
254	Comparison of formation conditions of secondary aerosol particles in boreal forests of Southern Finland and Siberia. Russian Journal of Earth Sciences, 2010, 11, 1-11.	0.2	2
255	Nocturnal aerosol particle formation in the North China Plain. Lithuanian Journal of Physics, 2015, 55, .	0.1	13
256	Size-Resolved Water-Soluble Ionic Composition of Ambient Particles in an Urban Area in Southern Poland. Journal of Environmental Protection, 2013, 04, 371-379.	0.3	13
268	Observations of new particle formation events in the south-eastern Baltic Sea. Oceanologia, 2010, 52, 53-75.	1.1	11
272	NEW PARTICLE FORMATION IN THE CONTINENTAL BOUNDARY LAYER: INFLUENCE OF PHYSICAL AND METEOROLOGICAL PARAMETER. Journal of Aerosol Science, 2001, 32, 601-602.	1.8	1

#	ARTICLE	IF	CITATIONS
273	Initial Results from Long-Range Transport of Particulate Matter in Europe. , 2002, , 298-307.		0
274	Parameterization of new particle formation and growth at the Preila station. Lithuanian Journal of Physics, 2005, 45, 139-147.	0.1	2
275	New condensation particle counter UF-02. Lithuanian Journal of Physics, 2006, 46, 489-496.	0.1	0
284	GLOMAP-Mode Overview. Springer Theses, 2013, , 31-43.	0.0	0
287	Estimation of the Deposited Aerosol Particles in Baghdad City, using Image Processing Technique. International Journal of Computer Applications, 2014, 85, 17-25.	0.2	0
290	Predicting the Mechanism and Products of CO <sub>2</sub> Capture by Amines in the Presence of H <sub>2</sub> O. Journal of Physical Chemistry A, 2021, 125, 9802-9818.	1.1	8
291	Measurement of atmospheric nanoparticles: Bridging the gap between gas-phase molecules and larger particles. Journal of Environmental Sciences, 2023, 123, 183-202.	3.2	7
292	Emissions of Ammonia and Other Nitrogen-Containing Volatile Organic Compounds from Motor Vehicles under Low-Speed Driving Conditions. Environmental Science & Technology, 2022, 56, 5440-5447.	4.6	19
294	Studies on the Conformation, Thermodynamics, and Evaporation Rate Characteristics of Sulfuric Acid and Amines Molecular Clusters Jiao Chen1. SSRN Electronic Journal, 0, , .	0.4	0
295	Temporal variations, transport, and regional impacts of atmospheric aerosol and acid gases close to an oil and gas trading hub. International Journal of Environmental Science and Technology, 0, , .	1.8	0
296	Computational chemistry of cluster: Understanding the mechanism of atmospheric new particle formation at the molecular level. Chemosphere, 2022, 308, 136109.	4.2	7
297	Sulfuric acid in the Amazon basin: measurements and evaluation of existing sulfuric acid proxies. Atmospheric Chemistry and Physics, 2022, 22, 10061-10076.	1.9	0
298	Studies on the conformation, thermodynamics, and evaporation rate characteristics of sulfuric acid and amines molecular clusters. Results in Chemistry, 2022, 4, 100527.	0.9	0
299	Observation and Source Apportionment of Atmospheric Alkaline Gases in Urban Beijing. Environmental Science & Technology, 2022, 56, 17545-17555.	4.6	8
300	Atmospheric Particle Number Concentrations and New Particle Formation over the Southern Ocean and Antarctica: A Critical Review. Atmosphere, 2023, 14, 402.	1.0	0
301	Analysis of new particle formation events and comparisons to simulations of particle number concentrations based on GEOS-Chemâ€œadvanced particle microphysics in Beijing, China. Atmospheric Chemistry and Physics, 2023, 23, 4091-4104.	1.9	1
302	Real-time monitoring of atmospheric ammonia based on modifier-enhanced vacuum ultraviolet photoionization ion mobility spectrometry. Analytical Methods, 2023, 15, 2191-2198.	1.3	0
303	Preparation of Simulation Chambers for Experiments. , 2023, , 113-127.		2

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------