Veli-Matti Kerminen

List of Publications by Year
in descending order

226 papers	23,789 citations	12322 69 h-index	11047 137 g-index
348 all docs	348 docs citations	348 times ranked	8878 citing authors

#	Article	IF	Citations
1	Dynamics of atmospheric nucleation mode particles: a timescale analysis. Tellus, Series B: Chemical and Physical Meteorology, 2022, 56, 135.	0.8	33
2	Characterization of new particle formation events at a background site in Southern Sweden: relation to air mass history. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 330.	0.8	70
3	Analysis of one year of Ion-DMPS data from the SMEAR II station, Finland. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 318.	0.8	56
4	Observations on nocturnal growth of atmospheric clusters. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 365.	0.8	51
5	The natural aerosol over Northern Europe and its relation to anthropogenic emissionsâ€"implications of important climate feedbacks. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 473.	0.8	34
6	Annual and interannual variation in boreal forest aerosol particle number and volume concentration and their connection to particle formation. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 495.	0.8	72
7	Towards a concentration closure of sub-6 nm aerosol particles and sub-3 nm atmospheric clusters. Journal of Aerosol Science, 2022, 159, 105878.	1.8	9
8	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. Environmental Science & Technology, 2022, 56, 770-778.	4.6	16
9	An extensive data set for in situ microphysical characterization of low-level clouds in a Finnish sub-Arctic site. Earth System Science Data, 2022, 14, 637-649.	3.7	2
10	Tropical and Boreal Forest â€" Atmosphere Interactions: A Review. Tellus, Series B: Chemical and Physical Meteorology, 2022, 74, 24.	0.8	27
11	The contribution of new particle formation and subsequent growth to haze formation. Environmental Science Atmospheres, 2022, 2, 352-361.	0.9	17
12	Estimation of sulfuric acid concentration using ambient ion composition and concentration data obtained with atmospheric pressure interface time-of-flight ion mass spectrometer. Atmospheric Measurement Techniques, 2022, 15, 1957-1965.	1.2	8
13	Secondary organic aerosol formed by condensing anthropogenic vapours over Chinaâ€™s megacities. Nature Geoscience, 2022, 15, 255-261.	5.4	64
14	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China â€" a Pan-Eurasian Experiment (PEEX) programme perspective. Atmospheric Chemistry and Physics, 2022, 22, 4413-4469.	1.9	9
15	Influence of biogenic emissions from boreal forests on aerosolâ€"cloud interactions. Nature Geoscience, 2022, 15, 42-47.	5.4	25
16	Influence of Aerosol Chemical Composition on Condensation Sink Efficiency and New Particle Formation in Beijing. Environmental Science and Technology Letters, 2022, 9, 375-382.	3.9	6
17	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. Communications Earth & Environment, 2022, 3, .	2.6	8
18	Diurnal evolution of negative atmospheric ions above the boreal forest: from ground level to the free troposphere. Atmospheric Chemistry and Physics, 2022, 22, 8547-8577.	1.9	5

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19	Biogenic particles formed in the Himalaya as an important source of free tropospheric aerosols. Nature Geoscience, 2021, 14, 4-9.	5.4	40
20	Determination of the collision rate coefficient between charged iodic acid clusters and iodic acid using the appearance time method. Aerosol Science and Technology, 2021, 55, 231-242.	1.5	18
21	Is reducing new particle formation a plausible solution to mitigate particulate air pollution in Beijing and other Chinese megacities?. Faraday Discussions, 2021, 226, 334-347.	1.6	74
22	A 3D study on the amplification of regional haze and particle growth by local emissions. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	23
23	The effect of urban morphological characteristics on the spatial variation of PM_{2.5} air quality in downtown Nanjing. Environmental Science Atmospheres, 2021, 1, 481-497.	0.9	6
24	Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China. Science of the Total Environment, 2021, 753, 142207.	3.9	21
25	Role of iodine oxoacids in atmospheric aerosol nucleation. Science, 2021, 371, 589-595.	6.0	94
26	Sulfuric acidâ€“amine nucleation in urban Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2457-2468.	1.9	70
27	Influence of vegetation on occurrence and time distributions of regional new aerosol particle formation and growth. Atmospheric Chemistry and Physics, 2021, 21, 2861-2880.	1.9	6
28	Differing Mechanisms of New Particle Formation at Two Arctic Sites. Geophysical Research Letters, 2021, 48, e2020GL091334.	1.5	70
29	The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing Newâ€Particle Formation in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091944.	1.5	53
30	An indicator for sulfuric acidâ€“amine nucleation in atmospheric environments. Aerosol Science and Technology, 2021, 55, 1059-1069.	1.5	19
31	Aerosol particle formation in the upper residual layer. Atmospheric Chemistry and Physics, 2021, 21, 7901-7915.	1.9	21
32	Opinion: GigacityÂâ€“ a source of problems or the new way to sustainable development. Atmospheric Chemistry and Physics, 2021, 21, 8313-8322.	1.9	15
33	Toward Building a Physical Proxy for Gas-Phase Sulfuric Acid Concentration Based on Its Budget Analysis in Polluted Yangtze River Delta, East China. Environmental Science & Technology, 2021, 55, 6665-6676.	4.6	20
34	Cluster Analysis of Submicron Particle Number Size Distributions at the SORPES Station in the Yangtze River Delta of East China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034004.	1.2	13
35	Towards understanding the characteristics of new particle formation in the Eastern Mediterranean. Atmospheric Chemistry and Physics, 2021, 21, 9223-9251.	1.9	19
36	Climatic Factors Influencing the Anthrax Outbreak of 2016 in Siberia, Russia. EcoHealth, 2021, 18, 217-228.	0.9	21

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37	Atmospheric gaseous hydrochloric and hydrobromic acid in urban Beijing, China: detection, source identification and potential atmospheric impacts. Atmospheric Chemistry and Physics, 2021, 21, 11437-11452.	1.9	12
38	Zeppelin-led study on the onset of new particle formation in the planetary boundary layer. Atmospheric Chemistry and Physics, 2021, 21, 12649-12663.	1.9	9
39	Rapid mass growth and enhanced light extinction of atmospheric aerosols during the heating season haze episodes in Beijing revealed by aerosolâ€“chemistryâ€“radiationâ€“boundary layer interaction. Atmospheric Chemistry and Physics, 2021, 21, 12173-12187.	1.9	10
40	Aerosol-boundary-layer-monsoon interactions amplify semi-direct effect of biomass smoke on low cloud formation in Southeast Asia. Nature Communications, 2021, 12, 6416.	5.8	53
41	Evaluation of convective boundary layer height estimates using radars operating at different frequency bands. Atmospheric Measurement Techniques, 2021, 14, 7341-7353.	1.2	6
42	Modelling the influence of biotic plant stress on atmospheric aerosol particle processes throughout a growing season. Atmospheric Chemistry and Physics, 2021, 21, 17389-17431.	1.9	6
43	Wintertime subarctic new particle formation from Kola Peninsula sulfur emissions. Atmospheric Chemistry and Physics, 2021, 21, 17559-17576.	1.9	9
44	Rapid formation of intense haze episodes via aerosolâ€“boundary layer feedback in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 45-53.	1.9	36
45	Exploring the regional pollution characteristics and meteorological formation mechanism of PM2.5 in North China during 2013â€“2017. Environment International, 2020, 134, 105283.	4.8	73
46	Atmospheric reactivity and oxidation capacity during summer at a suburban site between Beijing and Tianjin. Atmospheric Chemistry and Physics, 2020, 20, 8181-8200.	1.9	24
47	Unprecedented Ambient Sulfur Trioxide (SO₃) Detection: Possible Formation Mechanism and Atmospheric Implications. Environmental Science and Technology Letters, 2020, 7, 809-818.	3.9	34
48	Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. Big Earth Data, 2020, 4, 295-321.	2.0	54
49	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. Science Advances, 2020, 6, eaay4945.	4.7	61
50	Seasonal Characteristics of New Particle Formation and Growth in Urban Beijing. Environmental Science & Technology, 2020, 54, 8547-8557.	4.6	78
51	Variation of size-segregated particle number concentrations in wintertime Beijing. Atmospheric Chemistry and Physics, 2020, 20, 1201-1216.	1.9	52
52	Formation and growth of sub-3-nm aerosol particles in experimental chambers. Nature Protocols, 2020, 15, 1013-1040.	5.5	49
53	Sources and sinks driving sulfuric acid concentrations in contrasting environments: implications on proxy calculations. Atmospheric Chemistry and Physics, 2020, 20, 11747-11766.	1.9	42
54	Roll vortices induce new particle formation bursts in the planetary boundary layer. Atmospheric Chemistry and Physics, 2020, 20, 11841-11854.	1.9	9

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55	Size-segregated particle number and mass concentrations from different emission sources in urban Beijing. Atmospheric Chemistry and Physics, 2020, 20, 12721-12740.	1.9	36
56	Clouds over HyytiÃlÃ, Finland: an algorithm to classify clouds based on solar radiation and cloud base height measurements. Atmospheric Measurement Techniques, 2020, 13, 5595-5619.	1.2	6
57	In situ cloud ground-based measurements in the Finnish sub-Arctic: intercomparison of three cloud spectrometer setups. Atmospheric Measurement Techniques, 2020, 13, 5129-5147.	1.2	6
58	New particle formation, growth and apparent shrinkage at a rural background site in western Saudi Arabia. Atmospheric Chemistry and Physics, 2019, 19, 10537-10555.	1.9	19
59	Formation and growth of atmospheric nanoparticles in the eastern Mediterranean: results from long-term measurements and process simulations. Atmospheric Chemistry and Physics, 2019, 19, 2671-2686.	1.9	30
60	Vertical profiles of sub-3â€‰nm particles over the boreal forest. Atmospheric Chemistry and Physics, 2019, 19, 4127-4138.	1.9	20
61	Atmospheric new particle formation in China. Atmospheric Chemistry and Physics, 2019, 19, 115-138.	1.9	118
62	A proxy for atmospheric daytime gaseous sulfuric acid concentration in urban Beijing. Atmospheric Chemistry and Physics, 2019, 19, 1971-1983.	1.9	46
63	Estimating cloud condensation nuclei number concentrations using aerosol optical properties: role of particle number size distribution and parameterization. Atmospheric Chemistry and Physics, 2019, 19, 15483-15502.	1.9	10
64	Quantifying the impact of synoptic circulation patterns on ozone variability in northern China from April to October 2013â€“2017. Atmospheric Chemistry and Physics, 2019, 19, 14477-14492.	1.9	61
65	The Silk Road agenda of the Pan-Eurasian Experiment (PEEX) program. Big Earth Data, 2018, 2, 8-35.	2.0	6
66	Observations of ozone depletion events in a Finnish boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 49-63.	1.9	9
67	A simple model for the time evolution of the condensation sink in the atmosphere for intermediate Knudsen numbers. Atmospheric Chemistry and Physics, 2018, 18, 2431-2442.	1.9	9
68	Observations of biogenic ion-induced cluster formation in the atmosphere. Science Advances, 2018, 4, eaar5218.	4.7	64
69	Combining airborne in situ and ground-based lidar measurements for attribution of aerosol layers. Atmospheric Chemistry and Physics, 2018, 18, 10575-10591.	1.9	7
70	Refined classification and characterization of atmospheric new-particle formation events using air ions. Atmospheric Chemistry and Physics, 2018, 18, 17883-17893.	1.9	35
71	Advancing global aerosol simulations with size-segregated anthropogenic particle number emissions. Atmospheric Chemistry and Physics, 2018, 18, 10039-10054.	1.9	12
72	A Finnish Meteorological Instituteâ€“Aerosol Cloud Interaction Tube (FMIâ€“ACIT): Experimental setup and tests of proper operation. Journal of Chemical Physics, 2018, 149, 124201.	1.2	1

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73	Vertical and horizontal distribution of regional new particle formation events in Madrid. Atmospheric Chemistry and Physics, 2018, 18, 16601-16618.	1.9	30
74	Direct effect of aerosols on solar radiation and gross primary production in boreal and hemiboreal forests. Atmospheric Chemistry and Physics, 2018, 18, 17863-17881.	1.9	50
75	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. Science Advances, 2018, 4, eaau5363.	4.7	164
76	Ion-induced sulfuric acidâ€“ammonia nucleation drives particle formation in coastal Antarctica. Science Advances, 2018, 4, eaat9744.	4.7	79
77	Atmospheric new particle formation and growth: review of field observations. Environmental Research Letters, 2018, 13, 103003.	2.2	308
78	Exploring non-linear associations between atmospheric new-particle formation and ambient variables: a mutual information approach. Atmospheric Chemistry and Physics, 2018, 18, 12699-12714.	1.9	21
79	Prediction of photosynthesis in Scots pine ecosystems across Europe by a needle-level theory. Atmospheric Chemistry and Physics, 2018, 18, 13321-13328.	1.9	0
80	The role of H₂SO₄-NH<sub>3</sub&a anion clusters in ion-induced aerosol nucleation mechanisms in the boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 13231-13243.	1.9	33
81	Global analysis of continental boundary layer new particle formation based on long-term measurements. Atmospheric Chemistry and Physics, 2018, 18, 14737-14756.	1.9	113
82	Comprehensive analysis of particle growth rates from nucleation mode to cloud condensation nuclei in boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 12085-12103.	1.9	31
83	Mixing state and particle hygroscopicity of organic-dominated aerosols over the Pearl River Delta region in China. Atmospheric Chemistry and Physics, 2018, 18, 14079-14094.	1.9	30
84	Ground-based observation of clusters and nucleation-mode particles in the Amazon. Atmospheric Chemistry and Physics, 2018, 18, 13245-13264.	1.9	26
85	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. Science, 2018, 361, 278-281.	6.0	415
86	Particulate matter pollution over China and the effects of control policies. Science of the Total Environment, 2017, 584-585, 426-447.	3.9	252
87	Atmospheric gas-to-particle conversion: why NPF events are observed in megacities?. Faraday Discussions, 2017, 200, 271-288.	1.6	120
88	Solar eclipse demonstrating the importance of photochemistry in new particle formation. Scientific Reports, 2017, 7, 45707.	1.6	29
89	Production of neutral molecular clusters by controlled neutralization of mobility standards. Aerosol Science and Technology, 2017, 51, 946-955.	1.5	5
90	Features in air ions measured by an air ion spectrometer (AIS) at DomeÂC. Atmospheric Chemistry and Physics, 2017, 17, 13783-13800.	1.9	12

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91	The role of ions in new particle formation in the CLOUD chamber. Atmospheric Chemistry and Physics, 2017, 17, 15181-15197.	1.9	50
92	Measurements of sub-3â€¯nm particles using a particle size magnifier in different environments: from clean mountain top to polluted megacities. Atmospheric Chemistry and Physics, 2017, 17, 2163-2187.	1.9	71
93	Estimates of the organic aerosol volatility in a boreal forest using two independent methods. Atmospheric Chemistry and Physics, 2017, 17, 4387-4399.	1.9	14
94	Volatility of mixed atmospheric humic-like substances and ammonium sulfate particles. Atmospheric Chemistry and Physics, 2017, 17, 3659-3672.	1.9	7
95	Annual cycle of Scots pine photosynthesis. Atmospheric Chemistry and Physics, 2017, 17, 15045-15053.	1.9	5
96	Analysis of aerosol effects on warm clouds over the Yangtze River Delta from multi-sensor satellite observations. Atmospheric Chemistry and Physics, 2017, 17, 5623-5641.	1.9	45
97	Long-term analysis of clear-sky new particle formation events and nonevents in HyytiÃlÃ. Atmospheric Chemistry and Physics, 2017, 17, 6227-6241.	1.9	84
98	Enhanced haze pollution by black carbon in megacities in China. Geophysical Research Letters, 2016, 43, 2873-2879.	1.5	590
99	Long-term observation of air pollution-weather/climate interactions at the SORPES station: a review and outlook. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	3.3	75
100	Molecular-scale evidence of aerosol particle formation via sequential addition of HIO3. Nature, 2016, 537, 532-534.	13.7	237
101	The effect of acidâ€"base clustering and ions on the growth of atmospheric nano-particles. Nature Communications, 2016, 7, 11594.	5.8	116
102	Enhanced air pollution via aerosol-boundary layer feedback in China. Scientific Reports, 2016, 6, 18998.	1.6	285
103	A chamber study of the influence of boreal BVOC emissions and sulfuric acid on nanoparticle formation rates at ambient concentrations. Atmospheric Chemistry and Physics, 2016, 16, 1955-1970.	1.9	9
104	Conceptual design of a measurement network of the global change. Atmospheric Chemistry and Physics, 2016, 16, 1017-1028.	1.9	35
105	Observational evidence for aerosols increasing upper tropospheric humidity. Atmospheric Chemistry and Physics, 2016, 16, 14331-14342.	1.9	7
106	How do air ions reflect variations in ionising radiation in the lower atmosphere in a boreal forest?. Atmospheric Chemistry and Physics, 2016, 16, 14297-14315.	1.9	14
107	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the landâ€"atmosphereâ€"oceanâ€"society continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461.	1.9	57
108	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. Atmospheric Chemistry and Physics, 2016, 16, 2477-2492.	1.9	47

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109	Regional effect on urban atmospheric nucleation. Atmospheric Chemistry and Physics, 2016, 16, 8715-8728.	1.9	60
110	On secondary new particle formation in China. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	3.3	43
111	Enhanced sulfate formation by nitrogen dioxide: Implications from in situ observations at the SORPES station. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12679-12694.	1.2	122
112	Reevaluating the contribution of sulfuric acid and the origin of organic compounds in atmospheric nanoparticle growth. Geophysical Research Letters, 2015, 42, 10,486.	1.5	27
113	Introduction: The Pan-Eurasian Experiment (PEEX) â€" multidisciplinary, multiscale and multicomponent research and capacity-building initiative. Atmospheric Chemistry and Physics, 2015, 15, 13085-13096.	1.9	49
114	Impacts of emission reductions on aerosol radiative effects. Atmospheric Chemistry and Physics, 2015, 15, 5501-5519.	1.9	7
115	Experimental investigation of ionâ€"ion recombination under atmospheric conditions. Atmospheric Chemistry and Physics, 2015, 15, 7203-7216.	1.9	46
116	Atmospheric new particle formation as a source of CCN in the eastern Mediterranean marine boundary layer. Atmospheric Chemistry and Physics, 2015, 15, 9203-9215.	1.9	52
117	Modelling the contribution of biogenic volatile organic compounds to new particle formation in the JÃ¼lich plant atmosphere chamber. Atmospheric Chemistry and Physics, 2015, 15, 10777-10798.	1.9	19
118	Influence of biomass burning plumes on HONO chemistry in eastern China. Atmospheric Chemistry and Physics, 2015, 15, 1147-1159.	1.9	96
119	Relating the hygroscopic properties of submicron aerosol to both gas- and particle-phase chemical composition in a boreal forest environment. Atmospheric Chemistry and Physics, 2015, 15, 11999-12009.	1.9	18
120	A synthesis of cloud condensation nuclei counter (CCNC) measurements within the EUCAARI network. Atmospheric Chemistry and Physics, 2015, 15, 12211-12229.	1.9	58
121	Technical note: New particle formation event forecasts during PEGASOSâ€"Zeppelin Northern mission 2013 in HyytiÃlÃ, Finland. Atmospheric Chemistry and Physics, 2015, 15, 12385-12396.	1.9	27
122	Aerosol size distribution and new particle formation in the western Yangtze River Delta of China: 2 years of measurements at the SORPES station. Atmospheric Chemistry and Physics, 2015, 15, 12445-12464.	1.9	112
123	Direct radiative feedback due to biogenic secondary organic aerosol estimated from boreal forest site observations. Environmental Research Letters, 2015, 10, 104005.	2.2	7
124	Production of extremely low volatile organic compounds from biogenic emissions: Measured yields and atmospheric implications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7123-7128.	3.3	337
125	On the composition of ammoniaâ€"sulfuric-acid ion clusters during aerosol particle formation. Atmospheric Chemistry and Physics, 2015, 15, 55-78.	1.9	84
126	New foliage growth is a significant, unaccounted source for volatiles in boreal evergreen forests. Biogeosciences, 2014, 11, 1331-1344.	1.3	69

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127	Chemistry of Atmospheric Nucleation: On the Recent Advances on Precursor Characterization and Atmospheric Cluster Composition in Connection with Atmospheric New Particle Formation. Annual Review of Physical Chemistry, 2014, 65, 21-37.	4.8	242
128	Estimating atmospheric nucleation rates from size distribution measurements: Analytical equations for the case of size dependent growth rates. Journal of Aerosol Science, 2014, 69, 13-20.	1.8	18
129	A large source of low-volatility secondary organic aerosol. Nature, 2014, 506, 476-479.	13.7	1,448
130	Rapid changes in biomass burning aerosols by atmospheric oxidation. Geophysical Research Letters, 2014, 41, 2644-2651.	1.5	175
131	Polluted dust promotes new particle formation and growth. Scientific Reports, 2014, 4, 6634.	1.6	121
132	Temperature influence on the natural aerosol budget over boreal forests. Atmospheric Chemistry and Physics, 2014, 14, 8295-8308.	1.9	18
133	Reactivity of stabilized Criegee intermediates (sCIs) from isoprene and monoterpene ozonolysis toward SO₂ and organic acids. Atmospheric Chemistry and Physics, 2014, 14, 12143-12153.	1.9	94
134	Chemical composition, main sources and temporal variability of PM₁ aerosols in southern African grassland. Atmospheric Chemistry and Physics, 2014, 14, 1909-1927.	1.9	81
135	Aerosols and nucleation in eastern China: first insights from the new SORPES-NJU station. Atmospheric Chemistry and Physics, 2014, 14, 2169-2183.	1.9	72
136	Hygroscopicity, CCN and volatility properties of submicron atmospheric aerosol in a boreal forest environment during the summer of 2010. Atmospheric Chemistry and Physics, 2014, 14, 4733-4748.	1.9	54
137	Trends in new particle formation in eastern Lapland, Finland: effect of decreasing sulfur emissions from Kola Peninsula. Atmospheric Chemistry and Physics, 2014, 14, 4383-4396.	1.9	36
138	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. Geography, Environment, Sustainability, 2014, 7, 13-48.	0.6	19
139	Direct Observations of Atmospheric Aerosol Nucleation. Science, 2013, 339, 943-946.	6.0	876
140	Warming-induced increase in aerosol number concentration likely to moderate climate change. Nature Geoscience, 2013, 6, 438-442.	5.4	282
141	Long-term aerosol and trace gas measurements in Eastern Lapland, Finland: The impact of Kola air pollution to new particle formation. , 2013, , .		0
142	The impact of temperature on natural aerosol budget over boreal forests. , 2013, , .		0
143	Long-term size-segregated cloud condensation nuclei counter (CCNc) measurements in a boreal environment and the implications for aerosol-cloud interactions. , 2013, , .		1
144	Intense atmospheric pollution modifies weather: a case of mixed biomass burning with fossil fuel combustion pollution in eastern China. Atmospheric Chemistry and Physics, 2013, 13, 10545-10554.	1.9	286

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145	Ozone and fine particle in the western Yangtze River Delta: an overview of 1 yr data at the SORPES station. Atmospheric Chemistry and Physics, 2013, 13, 5813-5830.	1.9	352
146	The analysis of size-segregated cloud condensation nuclei counter (CCNC) data and its implications for cloud droplet activation. Atmospheric Chemistry and Physics, 2013, 13, 10285-10301.	1.9	69
147	Estimating the contribution of ionâ€"ion recombination to sub-2 nm cluster concentrations from atmospheric measurements. Atmospheric Chemistry and Physics, 2013, 13, 11391-11401.	1.9	25
148	Analysis of particle size distribution changes between three measurement sites in northern Scandinavia. Atmospheric Chemistry and Physics, 2013, 13, 11887-11903.	1.9	22
149	Using measurements of the aerosol charging state in determination of the particle growth rate and the proportion of ion-induced nucleation. Atmospheric Chemistry and Physics, 2013, 13, 463-486.	1.9	8
150	Seasonal cycle and modal structure of particle number size distribution at Dome C, Antarctica. Atmospheric Chemistry and Physics, 2013, 13, 7473-7487.	1.9	46
151	Boundary layer nucleation as a source of new CCN in savannah environment. Atmospheric Chemistry and Physics, 2013, 13, 1957-1972.	1.9	40
152	Antarctic new particle formation from continental biogenic precursors. Atmospheric Chemistry and Physics, 2013, 13, 3527-3546.	1.9	50
153	Multiple daytime nucleation events in semi-clean savannah and industrial environments in South Africa: analysis based on observations. Atmospheric Chemistry and Physics, 2013, 13, 5523-5532.	1.9	26
154	Climate Feedbacks Linking the Increasing Atmospheric CO2 Concentration, BVOC Emissions, Aerosols and Clouds in Forest Ecosystems. Tree Physiology, 2013, , 489-508.	0.9	38
155	Modeling Dry Deposition of Aerosol Particles onto Rough Surfaces. Aerosol Science and Technology, 2012, 46, 44-59.	1.5	49
156	BVOC-aerosol-climate interactions in the global aerosol-climate model ECHAM5.5-HAM2. Atmospheric Chemistry and Physics, 2012, 12, 10077-10096.	1.9	73
157	On the formation of sulphuric acid â€" amine clusters in varying atmospheric conditions and its influence on atmospheric new particle formation. Atmospheric Chemistry and Physics, 2012, 12, 9113-9133.	1.9	119
158	Aerosol charging state at an urban site: new analytical approach and implications for ion-induced nucleation. Atmospheric Chemistry and Physics, 2012, 12, 4647-4666.	1.9	10
159	Air pollution control and decreasing new particle formation lead to strong climate warming. Atmospheric Chemistry and Physics, 2012, 12, 1515-1524.	1.9	150
160	A numerical comparison of different methods for determining the particle formation rate. Atmospheric Chemistry and Physics, 2012, 12, 2289-2295.	1.9	19
161	New insights into nocturnal nucleation. Atmospheric Chemistry and Physics, 2012, 12, 4297-4312.	1.9	45
162	Measurement of the nucleation of atmospheric aerosol particles. Nature Protocols, 2012, 7, 1651-1667.	5.5	435

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163	A new atmospherically relevant oxidant of sulphur dioxide. Nature, 2012, 488, 193-196.	13.7	465
164	Effect of aerosol size distribution changes on AOD, CCN and cloud droplet concentration: Case studies from Erfurt and Melpitz, Germany. Journal of Geophysical Research, 2012, 117, .	3.3	14
165	Cloud condensation nuclei production associated with atmospheric nucleation: a synthesis based on existing literature and new results. Atmospheric Chemistry and Physics, 2012, 12, 12037-12059.	1.9	285
166	Secondary new particle formation in Northern Finland Pallas site between the years 2000 and 2010. Atmospheric Chemistry and Physics, 2011, 11, 12959-12972.	1.9	84
167	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	1.9	278
168	Seasonal variation of CCN concentrations and aerosol activation properties in boreal forest. Atmospheric Chemistry and Physics, 2011, 11, 13269-13285.	1.9	121
169	Parameterization of ion-induced nucleation rates based on ambient observations. Atmospheric Chemistry and Physics, 2011, 11, 3393-3402.	1.9	18
170	Organic condensation: a vital link connecting aerosol formation to cloud condensation nuclei (CCN) concentrations. Atmospheric Chemistry and Physics, 2011, 11, 3865-3878.	1.9	392
171	Atmospheric new particle formation: real and apparent growth of neutral and charged particles. Atmospheric Chemistry and Physics, 2011, 11, 4939-4955.	1.9	55
172	An Instrumental Comparison of Mobility and Mass Measurements of Atmospheric Small Ions. Aerosol Science and Technology, 2011, 45, 522-532.	1.5	72
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