

Xuemeng Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,061
citations

623574

14
h-index

794469

19
g-index

38
all docs

38
docs citations

38
times ranked

2609
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion-induced nucleation of pure biogenic particles. <i>Nature</i> , 2016, 533, 521-526.	13.7	528
2	New particle formation in the free troposphere: A question of chemistry and timing. <i>Science</i> , 2016, 352, 1109-1112.	6.0	348
3	Atmospheric new particle formation and growth: review of field observations. <i>Environmental Research Letters</i> , 2018, 13, 103003.	2.2	308
4	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018, 4, eaau5363.	4.7	164
5	Catalytic oxidation of toluene on Ce-Co and La-Co mixed oxides synthesized by exotemplating and evaporation methods. <i>Catalysis Today</i> , 2015, 244, 161-171.	2.2	129
6	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
7	Gold supported on metal oxides for volatile organic compounds total oxidation. <i>Catalysis Today</i> , 2015, 244, 103-114.	2.2	99
8	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945.	4.7	61
9	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. <i>Applied Catalysis A: General</i> , 2014, 472, 101-112.	2.2	58
10	The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing New Particle Formation in Beijing. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091944.	1.5	53
11	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
12	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 795-804.	3.3	39
13	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 344-355.	3.3	37
14	Laboratory verification of Aerosol Diffusion Spectrometer and the application to ambient measurements of new particle formation. <i>Journal of Aerosol Science</i> , 2017, 105, 10-23.	1.8	21
15	How do air ions reflect variations in ionising radiation in the lower atmosphere in a boreal forest?. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14297-14315.	1.9	14
16	Real-Time Detection of Arsenic Cations from Ambient Air in Boreal Forest and Lake Environments. <i>Environmental Science and Technology Letters</i> , 2016, 3, 42-46.	3.9	12
17	Features in air ions measured by an air ion spectrometer (AIS) at Dome C. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13783-13800.	1.9	12
18	Observations of ozone depletion events in a Finnish boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 49-63.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Condensation/immersion mode ice-nucleating particles in a boreal environment. Atmospheric Chemistry and Physics, 2020, 20, 6687-6706.	1.9	9