Yu Zheng

List of Publications by Year in descending order

46 papers	1,591 citations	361413 20 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	1338 citing authors

#	Article	IF	Citations
1	Aerosols Direct Radiative Effects Combined Ground-Based Lidar and Sun-Photometer Observations: Cases Comparison between Haze and Dust Events in Beijing. Remote Sensing, 2022, 14, 266.	4.0	8
2	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements. Science of the Total Environment, 2022, 812, 152553.	8.0	11
3	Multi-Year Variation of Ozone and Particulate Matter in Northeast China Based on the Tracking Air Pollution in China (TAP) Data. International Journal of Environmental Research and Public Health, 2022, 19, 3830.	2.6	12
4	Evaluation of aerosol microphysical, optical and radiative properties measured with a multiwavelength photometer. Atmospheric Measurement Techniques, 2022, 15, 2139-2158.	3.1	1
5	A Comprehensive Study of a Winter Haze Episode over the Area around Bohai Bay in Northeast China: Insights from Meteorological Elements Observations of Boundary Layer. Sustainability, 2022, 14, 5424.	3.2	2
6	Record-breaking dust loading during two mega dust storm events over northern China in March 2021: aerosol optical and radiative properties and meteorological drivers. Atmospheric Chemistry and Physics, 2022, 22, 7905-7932.	4.9	48
7	Climatology and trends of aerosol optical depth with different particle size and shape in northeast China from 2001 to 2018. Science of the Total Environment, 2021, 763, 142979.	8.0	12
8	Aerosol optical properties and its type classification based on multiyear joint observation campaign in north China plain megalopolis. Chemosphere, 2021, 273, 128560.	8.2	12
9	Global Aerosol Classification Based on Aerosol Robotic Network (AERONET) and Satellite Observation. Remote Sensing, 2021, 13, 1114.	4.0	8
10	Elevated 3D structures of PM&lt;sub&gt;2.5&lt;/sub&gt; and impact of complex terrain-forcing circulations on heavy haze pollution over Sichuan Basin, China. Atmospheric Chemistry and Physics, 2021, 21, 9253-9268.	4.9	20
11	Variation of the aerosol optical properties and validation of MODIS AOD products over the eastern edge of the Tibetan Plateau based on ground-based remote sensing in 2017. Atmospheric Environment, 2020, 223, 117257.	4.1	11
12	Interdecadal variation in aerosol optical properties and their relationships to meteorological parameters over northeast China from 1980 to 2017. Chemosphere, 2020, 247, 125737.	8.2	15
13	How aerosol transport from the North China plain contributes to air quality in northeast China. Science of the Total Environment, 2020, 738, 139555.	8.0	27
14	Construction of a virtual PM2.5 observation network in China based on high-density surface meteorological observations using the Extreme Gradient Boosting model. Environment International, 2020, 141, 105801.	10.0	85
15	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth. Atmospheric Chemistry and Physics, 2019, 19, 10497-10523.	4.9	169
16	Quantum Privacy-Preserving Price E-Negotiation. International Journal of Theoretical Physics, 2019, 58, 3259-3270.	1.2	3
17	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. Atmospheric Chemistry and Physics, 2019, 19, 11843-11864.	4.9	101
18	Satellite-derived PM2.5 concentration trends over Eastern China from 1998 to 2016: Relationships to emissions and meteorological parameters. Environmental Pollution, 2019, 247, 1125-1133.	7.5	176

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19	Five-year observation of aerosol optical properties and its radiative effects to planetary boundary layer during air pollution episodes in North China: Intercomparison of a plain site and a mountainous site in Beijing. Science of the Total Environment, 2019, 674, 140-158.	8.0	38
20	Aerosol and gaseous pollutant characteristics during the heating season (winter–spring transition) in the Harbin-Changchun megalopolis, northeastern China. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 188, 26-43.	1.6	14
21	Denoising Algorithm for the FY-4A GIIRS Based on Principal Component Analysis. Remote Sensing, 2019, 11, 2710.	4.0	7
22	Aerosol vertical distribution and optical properties of different pollution events in Beijing in autumn 2017. Atmospheric Research, 2019, 215, 193-207.	4.1	34
23	Aerosol Optical Properties over an Urban Site in Central China Determined Using Ground-Based Sun Photometer Measurements. Aerosol and Air Quality Research, 2019, 19, 620-638.	2.1	13
24	Spatial and temporal distribution of the cloud optical depth over China based on MODIS satellite data during 2003–2016. Journal of Environmental Sciences, 2019, 80, 66-81.	6.1	19
25	Characterization of vertical distribution and radiative forcing of ambient aerosol over the Yangtze River Delta during 2013–2015. Science of the Total Environment, 2019, 650, 1846-1857.	8.0	33
26	A modelling study of the terrain effects on haze pollution in the Sichuan Basin. Atmospheric Environment, 2019, 196, 77-85.	4.1	97
27	Variation in MERRA-2 aerosol optical depth over the Yangtze River Delta from 1980 to 2016. Theoretical and Applied Climatology, 2019, 136, 363-375.	2.8	33
28	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: effect of the regional transport of different aerosol types over eastern China. Atmospheric Chemistry and Physics, 2018, 18, 2949-2971.	4.9	69
29	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. Atmospheric Chemistry and Physics, 2018, 18, 405-425.	4.9	113
30	Temporal and spatial variations in sand and dust storm events in East Asia from 2007 to 2016: Relationships with surface conditions and climate change. Science of the Total Environment, 2018, 633, 452-462.	8.0	118
31	Deep Learning Hash for Wireless Multimedia Image Content Security. Security and Communication Networks, 2018, 2018, 1-13.	1.5	6
32	Multiyear Ground‐Based Measurements of Aerosol Optical Properties and Direct Radiative Effect Over Different Surface Types in Northeastern China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,887.	3.3	27
33	Variations of Haze Pollution in China Modulated by Thermal Forcing of the Western Pacific Warm Pool. Atmosphere, 2018, 9, 314.	2.3	9
34	Aerosol Vertical Distribution and Typical Air Pollution Episodes over Northeastern China during 2016 Analyzed by Ground-based Lidar. Aerosol and Air Quality Research, 2018, 18, 918-93.	2.1	21
35	Comparison of Aerosol Optical Properties Between Two Nearby Urban Sites in Beijing, China. Aerosol Science and Engineering, 2017, 1, 78-92.	1.9	1
36	Aerosol optical properties observation and its relationship to meteorological conditions and emission during the Chinese National Day and Spring Festival holiday in Beijing. Atmospheric Research, 2017, 197, 188-200.	4.1	23

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37	Water vapor variation and the effect of aerosols in China. Atmospheric Environment, 2017, 165, 322-335.	4.1	33
38	A Survey of Big Data Security and Privacy Preserving. IETE Technical Review (Institution of Electronics) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	50
39	Optical and radiative properties of aerosols during a severe haze episode over the North China Plain in December 2016. Journal of Meteorological Research, 2017, 31, 1045-1061.	2.4	12
40	Aerosol Optical Properties over Beijing during the World Athletics Championships and Victory Day Military Parade in August and September 2015. Atmosphere, 2016, 7, 47.	2.3	16
41	Aerosol Optical Properties Based on Ground and Satellite Retrievals during a Serious Haze Episode in December 2015 over Beijing. Atmosphere, 2016, 7, 70.	2.3	24
42	A 20-year simulated climatology of global dust aerosol deposition. Science of the Total Environment, 2016, 557-558, 861-868.	8.0	29
43	Improved Deterministic N-To-One Joint Remote Preparation of an Arbitrary Qubit via EPR Pairs. International Journal of Theoretical Physics, 2015, 54, 472-483.	1.2	16
44	A novel quantum-inspired evolutionary algorithm based on variable angle-distance rotation. , 2010, , .		10
45	A Heuristic Simulated Annealing Algorithm for the Circular Packing Problem. , 2009, , .		1
46	Energy Landscape Paving Algorithm for Solving Circles Packing Problem. , 2009, , .		4