

# Yu Zheng

## List of Publications by Year in descending order

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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	Satellite-derived PM2.5 concentration trends over Eastern China from 1998 to 2016: Relationships to emissions and meteorological parameters. <i>Environmental Pollution</i> , 2019, 247, 1125-1133.	7.5	176
2	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10497-10523.	4.9	169
3	Temporal and spatial variations in sand and dust storm events in East Asia from 2007 to 2016: Relationships with surface conditions and climate change. <i>Science of the Total Environment</i> , 2018, 633, 452-462.	8.0	118
4	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 405-425.	4.9	113
5	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11843-11864.	4.9	101
6	A modelling study of the terrain effects on haze pollution in the Sichuan Basin. <i>Atmospheric Environment</i> , 2019, 196, 77-85.	4.1	97
7	Construction of a virtual PM2.5 observation network in China based on high-density surface meteorological observations using the Extreme Gradient Boosting model. <i>Environment International</i> , 2020, 141, 105801.	10.0	85
8	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: effect of the regional transport of different aerosol types over eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2949-2971.	4.9	69
9	A Survey of Big Data Security and Privacy Preserving. <i>IETE Technical Review (Institution of Electronics) Tj ETQq1 1 0,784314 rgBT /Ove</i>	3.2	50
10	Record-breaking dust loading during two mega dust storm events over northern China in March 2021: aerosol optical and radiative properties and meteorological drivers. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7905-7932.	4.9	48
11	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. <i>Science of the Total Environment</i> , 2019, 674, 140-158.	8.0	38
12	Aerosol vertical distribution and optical properties of different pollution events in Beijing in autumn 2017. <i>Atmospheric Research</i> , 2019, 215, 193-207.	4.1	34
13	Water vapor variation and the effect of aerosols in China. <i>Atmospheric Environment</i> , 2017, 165, 322-335.	4.1	33
14	Characterization of vertical distribution and radiative forcing of ambient aerosol over the Yangtze River Delta during 2013-2015. <i>Science of the Total Environment</i> , 2019, 650, 1846-1857.	8.0	33
15	Variation in MERRA-2 aerosol optical depth over the Yangtze River Delta from 1980 to 2016. <i>Theoretical and Applied Climatology</i> , 2019, 136, 363-375.	2.8	33
16	A 20-year simulated climatology of global dust aerosol deposition. <i>Science of the Total Environment</i> , 2016, 557-558, 861-868.	8.0	29
17	Multiyear Ground-Based Measurements of Aerosol Optical Properties and Direct Radiative Effect Over Different Surface Types in Northeastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,887.	3.3	27
18	How aerosol transport from the North China plain contributes to air quality in northeast China. <i>Science of the Total Environment</i> , 2020, 738, 139555.	8.0	27

#	ARTICLE	IF	CITATIONS
19	Aerosol Optical Properties Based on Ground and Satellite Retrievals during a Serious Haze Episode in December 2015 over Beijing. <i>Atmosphere</i> , 2016, 7, 70.	2.3	24
20	Aerosol optical properties observation and its relationship to meteorological conditions and emission during the Chinese National Day and Spring Festival holiday in Beijing. <i>Atmospheric Research</i> , 2017, 197, 188-200.	4.1	23
21	Aerosol Vertical Distribution and Typical Air Pollution Episodes over Northeastern China during 2016 Analyzed by Ground-based Lidar. <i>Aerosol and Air Quality Research</i> , 2018, 18, 918-93.	2.1	21
22	Elevated 3D structures of PM <sub>2.5</sub> and impact of complex terrain-forcing circulations on heavy haze pollution over Sichuan Basin, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9253-9268.	4.9	20
23	Spatial and temporal distribution of the cloud optical depth over China based on MODIS satellite data during 2003–2016. <i>Journal of Environmental Sciences</i> , 2019, 80, 66-81.	6.1	19
24	Improved Deterministic N-To-One Joint Remote Preparation of an Arbitrary Qubit via EPR Pairs. <i>International Journal of Theoretical Physics</i> , 2015, 54, 472-483.	1.2	16
25	Aerosol Optical Properties over Beijing during the World Athletics Championships and Victory Day Military Parade in August and September 2015. <i>Atmosphere</i> , 2016, 7, 47.	2.3	16
26	Interdecadal variation in aerosol optical properties and their relationships to meteorological parameters over northeast China from 1980 to 2017. <i>Chemosphere</i> , 2020, 247, 125737.	8.2	15
27	Aerosol and gaseous pollutant characteristics during the heating season (winter–spring transition) in the Harbin-Changchun megalopolis, northeastern China. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 188, 26-43.	1.6	14
28	Aerosol Optical Properties over an Urban Site in Central China Determined Using Ground-Based Sun Photometer Measurements. <i>Aerosol and Air Quality Research</i> , 2019, 19, 620-638.	2.1	13
29	Optical and radiative properties of aerosols during a severe haze episode over the North China Plain in December 2016. <i>Journal of Meteorological Research</i> , 2017, 31, 1045-1061.	2.4	12
30	Climatology and trends of aerosol optical depth with different particle size and shape in northeast China from 2001 to 2018. <i>Science of the Total Environment</i> , 2021, 763, 142979.	8.0	12
31	Aerosol optical properties and its type classification based on multiyear joint observation campaign in north China plain megalopolis. <i>Chemosphere</i> , 2021, 273, 128560.	8.2	12
32	Multi-Year Variation of Ozone and Particulate Matter in Northeast China Based on the Tracking Air Pollution in China (TAP) Data. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3830.	2.6	12
33	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. <i>Atmospheric Environment</i> , 2020, 223, 117257.	4.1	11
34	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements. <i>Science of the Total Environment</i> , 2022, 812, 152553.	8.0	11
35	A novel quantum-inspired evolutionary algorithm based on variable angle-distance rotation. , 2010, , .		10
36	Variations of Haze Pollution in China Modulated by Thermal Forcing of the Western Pacific Warm Pool. <i>Atmosphere</i> , 2018, 9, 314.	2.3	9

#	ARTICLE	IF	CITATIONS
37	Global Aerosol Classification Based on Aerosol Robotic Network (AERONET) and Satellite Observation. Remote Sensing, 2021, 13, 1114.	4.0	8
38	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
39	Denosing Algorithm for the FY-4A GIRS Based on Principal Component Analysis. Remote Sensing, 2019, 11, 2710.	4.0	7
40	Deep Learning Hash for Wireless Multimedia Image Content Security. Security and Communication Networks, 2018, 2018, 1-13.	1.5	6
41	Energy Landscape Paving Algorithm for Solving Circles Packing Problem. , 2009, , .		4
42	Quantum Privacy-Preserving Price E-Negotiation. International Journal of Theoretical Physics, 2019, 58, 3259-3270.	1.2	3
43	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
44	A Heuristic Simulated Annealing Algorithm for the Circular Packing Problem. , 2009, , .		1
45	Comparison of Aerosol Optical Properties Between Two Nearby Urban Sites in Beijing, China. Aerosol Science and Engineering, 2017, 1, 78-92.	1.9	1
46	Evaluation of aerosol microphysical, optical and radiative properties measured with a multiwavelength photometer. Atmospheric Measurement Techniques, 2022, 15, 2139-2158.	3.1	1