

Yu Wu

List of Publications by Year in descending order

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31
papers

634
citations

471061

17
h-index

580395

25
g-index

35
all docs

35
docs citations

35
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Light Absorption Enhancement of Black Carbon Aerosol Constrained by Particle Morphology. <i>Environmental Science & Technology</i> , 2018, 52, 6912-6919.	4.6	81
2	Contribution of meteorological factors to particulate pollution during winters in Beijing. <i>Science of the Total Environment</i> , 2019, 656, 977-985.	3.9	47
3	The single scattering properties of soot aggregates with concentric core-shell spherical monomers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 135, 9-19.	1.1	42
4	Effect of morphology on the optical properties of soot aggregated with spheroidal monomers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 168, 158-169.	1.1	42
5	Effects of morphology on the radiative properties of internally mixed light absorbing carbon aerosols with different aging status. <i>Optics Express</i> , 2014, 22, 15904.	1.7	37
6	The single scattering properties of the aerosol particles as aggregated spheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1454-1466.	1.1	29
7	Effects of mixing states on the multiple-scattering properties of soot aerosols. <i>Optics Express</i> , 2015, 23, 10808.	1.7	29
8	Single scattering properties of semi-embedded soot morphologies with intersecting and non-intersecting surfaces of absorbing spheres and non-absorbing host. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 157, 1-13.	1.1	28
9	Black carbon radiative forcing at TOA decreased during aging. <i>Scientific Reports</i> , 2016, 6, 38592.	1.6	28
10	Models for the optical simulations of fractal aggregated soot particles thinly coated with non-absorbing aerosols. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 1-11.	1.1	27
11	The optical properties of absorbing aerosols with fractal soot aggregates: Implications for aerosol remote sensing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 125, 93-104.	1.1	26
12	A Study of Optical Properties of Soot Aggregates Composed of Poly-Disperse Monomers Using the Superposition T-Matrix Method. <i>Aerosol Science and Technology</i> , 2015, 49, 941-949.	1.5	24
13	Optical properties of the semi-external mixture composed of sulfate particle and different quantities of soot aggregates. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 179, 139-148.	1.1	24
14	Effects of atmospheric water on the optical properties of soot aerosols with different mixing states. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 147, 196-206.	1.1	22
15	Measurements of the Diversity of Shape and Mixing State for Ambient Black Carbon Particles. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094522.	1.5	21
16	Retrieval of black carbon aerosol surface concentration using satellite remote sensing observations. <i>Remote Sensing of Environment</i> , 2019, 226, 93-108.	4.6	20
17	Sensitivity of mixing states on optical properties of fresh secondary organic carbon aerosols. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 195, 147-155.	1.1	19
18	Effective densities of soot particles and their relationships with the mixing state at an urban site in the Beijing megacity in the winter of 2018. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14791-14804.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Evaluation of Polarized Remote Sensing of Aerosol Optical Thickness Retrieval over China. Remote Sensing, 2015, 7, 13711-13728.	1.8	12
20	Characteristics of aerosols over Beijing and Kanpur derived from the AERONET dataset. Atmospheric Pollution Research, 2016, 7, 162-169.	1.8	12
21	Light absorption of black carbon aerosols strongly influenced by particle morphology distribution. Environmental Research Letters, 2020, 15, 094051.	2.2	11
22	Probing the dynamic characteristics of aerosol originated from South Asia biomass burning using POLDER/GRASP satellite data with relevant accessory technique design. Environment International, 2020, 145, 106097.	4.8	9
23	Characterization of aerosols in Beijing during severe aerosol loadings. Atmospheric Environment, 2015, 119, 273-281.	1.9	7
24	New Asia Dust Storm Detection Method Based on the Thermal Infrared Spectral Signature. Remote Sensing, 2015, 7, 51-71.	1.8	6
25	Effects of primary particle size on light absorption enhancement of black carbon aerosols using the superposition T-matrix method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 258, 107388.	1.1	5
26	Dust Identification over Arid and Semiarid Regions of Asia Using AIRS Thermal Infrared Channels. Advances in Meteorology, 2014, 2014, 1-16.	0.6	4
27	The role of biomass burning states in light absorption enhancement of carbonaceous aerosols. Scientific Reports, 2020, 10, 12829.	1.6	4
28	Impact of particle nonsphericity on the development and properties of aerosol models for East Asia. Atmospheric Environment, 2015, 101, 246-256.	1.9	3
29	Single Scattering Albedo of High Loading Aerosol Estimated Across East Asia From S-NPP VIIRS. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	2
30	Latest decade's spatial-temporal properties of aerosols over China based on Multiangle Imaging SpectroRadiometer observations. Journal of Applied Remote Sensing, 2013, 7, 073518.	0.6	0
31	Sensitivity of Mixing States on Absorption of Black Carbon Aerosols with Diverse Monomer Sizes. , 2021, , .		0