

Junji Cao

List of Publications by Citations

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709
papers

34,644
citations

86
h-index

161
g-index

771
ext. papers

42,147
ext. citations

6.7
avg, IF

7.65
L-index

#	Paper	IF	Citations
709	High secondary aerosol contribution to particulate pollution during haze events in China. <i>Nature</i> , 2014 , 514, 218-22	50.4	2713
708	Global iron connections between desert dust, ocean biogeochemistry, and climate. <i>Science</i> , 2005 , 308, 67-71	33.3	1996
707	Multivariate analysis of heavy metal contamination in urban dusts of Xi'an, Central China. <i>Science of the Total Environment</i> , 2006 , 355, 176-86	10.2	951
706	Chemical characterization and source apportionment of PM _{2.5} in Beijing: seasonal perspective. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7053-7074	6.8	912
705	Airborne transmission of SARS-CoV-2: The world should face the reality. <i>Environment International</i> , 2020 , 139, 105730	12.9	837
704	Persistent sulfate formation from London Fog to Chinese haze. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13630-13635	11.5	803
703	Drivers of improved PM air quality in China from 2013 to 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24463-24469	11.5	578
702	How can airborne transmission of COVID-19 indoors be minimised?. <i>Environment International</i> , 2020 , 142, 105832	12.9	525
701	Black soot and the survival of Tibetan glaciers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22114-8	11.5	510
700	Characterization and source apportionment of atmospheric organic and elemental carbon during fall and winter of 2003 in Xi'an, China. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 3127-3137	6.8	397
699	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8657-8666	11.5	366
698	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. <i>Environment International</i> , 2013 , 54, 100-11	12.9	329
697	Fine particulate matter constituents and cardiopulmonary mortality in a heavily polluted Chinese city. <i>Environmental Health Perspectives</i> , 2012 , 120, 373-8	8.4	316
696	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 °C global warming could be dangerous. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3761-3812	6.8	310
695	Winter and summer PM _{2.5} chemical compositions in fourteen Chinese cities. <i>Journal of the Air and Waste Management Association</i> , 2012 , 62, 1214-26	2.4	290
694	Molecular, seasonal, and spatial distributions of organic aerosols from fourteen Chinese cities. <i>Environmental Science & Technology</i> , 2006 , 40, 4619-25	10.3	256
693	Ionic composition of TSP and PM _{2.5} during dust storms and air pollution episodes at Xi'an, China. <i>Atmospheric Environment</i> , 2009 , 43, 2911-2918	5.3	252

692	PM _{2.5} pollution in a megacity of southwest China: source apportionment and implication. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8679-8699	6.8	243
691	New insights into PM _{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3207-3225	6.8	236
690	PM ₁₀ bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: seasonal variation, sources and cancer risk assessment. <i>Science of the Total Environment</i> , 2014 , 473-474, 77-87	10.2	227
689	Impacts of aerosol compositions on visibility impairment in Xi'an, China. <i>Atmospheric Environment</i> , 2012 , 59, 559-566	5.3	218
688	Evolution of planetary boundary layer under different weather conditions, and its impact on aerosol concentrations. <i>Particuology</i> , 2013 , 11, 34-40	2.8	213
687	Water-soluble ions in atmospheric aerosols measured in Xi'an, China: Seasonal variations and sources. <i>Atmospheric Research</i> , 2011 , 102, 110-119	5.4	211
686	New eolian red clay sequence on the western Chinese Loess Plateau linked to onset of Asian desertification about 25 Ma ago. <i>Science China Earth Sciences</i> , 2011 , 54, 136-144	4.6	205
685	Environment-Friendly Carbon Quantum Dots/ZnFeO Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. <i>Environmental Science & Technology</i> , 2017 , 51, 2924-2933	10.3	194
684	Evaluation of the thermal/optical reflectance method for discrimination between char- and soot-EC. <i>Chemosphere</i> , 2007 , 69, 569-74	8.4	193
683	A distributed network of low-cost continuous reading sensors to measure spatiotemporal variations of PM _{2.5} in Xi'an, China. <i>Environmental Pollution</i> , 2015 , 199, 56-65	9.3	190
682	A review of current knowledge concerning PM _{2.5} chemical composition, aerosol optical properties and their relationships across China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9485-9518	6.8	184
681	Chemical composition of PM _{2.5} in an urban environment in Chengdu, China: Importance of springtime dust storms and biomass burning. <i>Atmospheric Research</i> , 2013 , 122, 270-283	5.4	183
680	Fabrication of Bi ₂ O ₂ CO ₃ /g-C ₃ N ₄ heterojunctions for efficiently photocatalytic NO in air removal: In-situ self-sacrificial synthesis, characterizations and mechanistic study. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 123-133	21.8	174
679	Seasonal variation of chemical species associated with short-term mortality effects of PM(2.5) in Xi'an, a Central City in China. <i>American Journal of Epidemiology</i> , 2012 , 175, 556-66	3.8	174
678	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7760-7765	11.5	172
677	Removal of Indoor Volatile Organic Compounds via Photocatalytic Oxidation: A Short Review and Prospect. <i>Molecules</i> , 2016 , 21, 56	4.8	168
676	Soot reference materials for instrument calibration and intercomparisons: a workshop summary with recommendations. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 1869-1887	4	162
675	Different characteristics of char and soot in the atmosphere and their ratio as an indicator for source identification in Xi'an, China. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 595-607	6.8	156

674	Oxygen vacancy engineering of Bi ₂ O ₃ /Bi ₂ O ₂ CO ₃ heterojunctions: Implications of the interfacial charge transfer, NO adsorption and removal. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 357-367	21.8	143
673	Impact of PM _{2.5} chemical compositions on aerosol light scattering in Guangzhou [the largest megacity in South China]. <i>Atmospheric Research</i> , 2014 , 135-136, 48-58	5.4	142
672	A possible pathway for rapid growth of sulfate during haze days in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3301-3316	6.8	142
671	Aerosol pollution in China: Present and future impact on environment. <i>Particuology</i> , 2009 , 7, 426-431	2.8	142
670	Black carbon relationships with emissions and meteorology in Xi'an, China. <i>Atmospheric Research</i> , 2009 , 94, 194-202	5.4	142
669	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science & Technology</i> , 2018 , 52, 10975-10984	10.3	138
668	Synthesis of a Bi ₂ O ₂ CO ₃ /ZnFe ₂ O ₄ heterojunction with enhanced photocatalytic activity for visible light irradiation-induced NO removal. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 70-78	21.8	132
667	Changes in air quality related to the control of coronavirus in China: Implications for traffic and industrial emissions. <i>Science of the Total Environment</i> , 2020 , 731, 139133	10.2	131
666	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1299-1312	6.8	129
665	Geochemistry of Daihai Lake sediments, Inner Mongolia, north China: Implications for provenance, sedimentary sorting, and catchment weathering. <i>Geomorphology</i> , 2006 , 80, 147-163	4.3	129
664	Young people's burden: requirement of negative CO ₂ emissions. <i>Earth System Dynamics</i> , 2017 , 8, 577-616	4.8	127
663	Spatial and seasonal variations of PM _{2.5} mass and species during 2010 in Xi'an, China. <i>Science of the Total Environment</i> , 2015 , 508, 477-87	10.2	125
662	Severe Pollution in China Amplified by Atmospheric Moisture. <i>Scientific Reports</i> , 2017 , 7, 15760	4.9	122
661	Variability of organic and elemental carbon, water soluble organic carbon, and isotopes in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 4569-4576	6.8	122
660	Source apportionment of PM at urban and suburban areas of the Pearl River Delta region, south China - With emphasis on ship emissions. <i>Science of the Total Environment</i> , 2017 , 574, 1559-1570	10.2	121
659	Roles of N-Vacancies over Porous g-CN Microtubes during Photocatalytic NO Removal. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10651-10662	9.5	119
658	Stable carbon isotopes in aerosols from Chinese cities: Influence of fossil fuels. <i>Atmospheric Environment</i> , 2011 , 45, 1359-1363	5.3	117
657	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 2725-2746	6.8	117

656	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. <i>Science of the Total Environment</i> , 2015 , 505, 814-22	10.2	112
655	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 2607-2634	6.8	111
654	Megacity impacts on regional ozone formation: observations and WRF-Chem modeling for the MIRAGE-Shanghai field campaign. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5655-5669	6.8	109
653	Seasonal variations and evidence for the effectiveness of pollution controls on water-soluble inorganic species in total suspended particulates and fine particulate matter from Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 1560-70	2.4	108
652	Visible-Light-Active Plasmonic Ag-SrTiO ₃ Nanocomposites for the Degradation of NO in Air with High Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4165-74	9.5	107
651	Seasonal variations and sources of mass and chemical composition for PM ₁₀ aerosol in Hangzhou, China. <i>Particuology</i> , 2009 , 7, 161-168	2.8	106
650	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs, nitrated-PAHs and azaarenes) in urban road dusts from Xi'an, Central China. <i>Chemosphere</i> , 2015 , 134, 512-20	8.4	105
649	Chemically-speciated on-road PM _{2.5} motor vehicle emission factors in Hong Kong. <i>Science of the Total Environment</i> , 2010 , 408, 1621-7	10.2	105
648	Perovskite LaFeO ₃ -SrTiO ₃ composite for synergistically enhanced NO removal under visible light excitation. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 346-357	21.8	102
647	Characteristics and sources of carbonaceous aerosols from Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 803-817	6.8	102
646	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. <i>Aerosol Science and Technology</i> , 2014 , 48, 689-697	3.4	100
645	Self-assembly synthesis of boron-doped graphitic carbon nitride hollow tubes for enhanced photocatalytic NO _x removal under visible light. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 352-361	21.8	97
644	Aerosol particles at a high-altitude site on the Southeast Tibetan Plateau, China: Implications for pollution transport from South Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11360-11375	4.4	97
643	Protonated g-C ₃ N ₄ /Ti ³⁺ self-doped TiO ₂ nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 122-131	21.8	97
642	Characterizing ionic species in PM _{2.5} and PM ₁₀ in four Pearl River Delta cities, south China. <i>Journal of Environmental Sciences</i> , 2007 , 19, 939-47	6.4	96
641	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. <i>Atmospheric Environment</i> , 2015 , 123, 399-406	5.3	95
640	Post-plasma-catalytic removal of toluene using MnO ₂ /Co ₃ O ₄ catalysts and their synergistic mechanism. <i>Chemical Engineering Journal</i> , 2018 , 348, 15-25	14.7	95
639	Molecular distribution and stable carbon isotopic composition of dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in size-resolved atmospheric particles from Xi'an City, China. <i>Environmental Science & Technology</i> , 2012 , 46, 4783-91	10.3	95

- 638 Deposition of anthropogenic aerosols in a southeastern Tibetan glacier. *Journal of Geophysical Research*, **2009**, 114, 95
- 637 Biocompatible FeOOH-Carbon quantum dots nanocomposites for gaseous NO removal under visible light: Improved charge separation and High selectivity. *Journal of Hazardous Materials*, **2018**, 354, 54-62 12.8 94
- 636 A keystone microbial enzyme for nitrogen control of soil carbon storage. *Science Advances*, **2018**, 4, eaag1489 16.9 94
- 635 The decreasing albedo of the Zhadang glacier on western Nyainqentanglha and the role of light-absorbing impurities. *Atmospheric Chemistry and Physics*, **2014**, 14, 11117-11128 6.8 94
- 634 Impact of Gobi desert dust on aerosol chemistry of Xi'an, inland China during spring 2009: differences in composition and size distribution between the urban ground surface and the mountain atmosphere. *Atmospheric Chemistry and Physics*, **2013**, 13, 819-835 6.8 93
- 633 Seasonal variations and mass closure analysis of particulate matter in Hong Kong. *Science of the Total Environment*, **2006**, 355, 276-87 10.2 93
- 632 Seasonal and spatial variability of the OM/OC mass ratios and high regional correlation between oxalic acid and zinc in Chinese urban organic aerosols. *Atmospheric Chemistry and Physics*, **2013**, 13, 4307-4318 6.8 92
- 631 Size-distributions of n -alkanes, PAHs and hopanes and their sources in the urban, mountain and marine atmospheres over East Asia. *Atmospheric Chemistry and Physics*, **2009**, 9, 8869-8882 6.8 92
- 630 A Rb/Sr record of catchment weathering response to Holocene climate change in Inner Mongolia. *Earth Surface Processes and Landforms*, **2006**, 31, 285-291 3.7 92
- 629 Differential responses of ecosystem respiration components to experimental warming in a meadow grassland on the Tibetan Plateau. *Agricultural and Forest Meteorology*, **2016**, 220, 21-29 5.8 90
- 628 Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. *Global Change Biology*, **2017**, 23, 1328-1337 11.4 90
- 627 Particulate-associated potentially harmful elements in urban road dusts in Xi'an, China. *Applied Geochemistry*, **2008**, 23, 835-845 3.5 89
- 626 Post-depositional enrichment of black soot in snow-pack and accelerated melting of Tibetan glaciers. *Environmental Research Letters*, **2012**, 7, 014022 6.2 88
- 625 Inter-annual variability of wintertime PM_{2.5} chemical composition in Xi'an, China: Evidences of changing source emissions. *Science of the Total Environment*, **2016**, 545-546, 546-55 10.2 87
- 624 Widespread and persistent ozone pollution in eastern China during the non-winter season of 2015: observations and source attributions. *Atmospheric Chemistry and Physics*, **2017**, 17, 2759-2774 6.8 87
- 623 Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. *Environmental Science & Technology*, **2018**, 52, 6825-6833 10.3 86
- 622 Summer and winter variations of dicarboxylic acids, fatty acids and benzoic acid in PM_{2.5} in Pearl Delta River Region, China. *Atmospheric Chemistry and Physics*, **2011**, 11, 2197-2208 6.8 85
- 621 A budget analysis of the formation of haze in Beijing. *Atmospheric Environment*, **2015**, 100, 25-36 5.3 84

620	Atmospheric levels and cytotoxicity of polycyclic aromatic hydrocarbons and oxygenated-PAHs in PM in the Beijing-Tianjin-Hebei region. <i>Environmental Pollution</i> , 2017 , 231, 1075-1084	9.3	83
619	Variations in PM2.5, TSP, BC, and trace gases (NO2, SO2, and O3) between haze and non-haze episodes in winter over Xi'an, China. <i>Atmospheric Environment</i> , 2015 , 112, 64-71	5.3	82
618	Chemical composition of PM2.5 at an urban site of Chengdu in southwestern China. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 1070-1084	2.9	82
617	Characterization of carbon fractions for atmospheric fine particles and nanoparticles in a highway tunnel. <i>Atmospheric Environment</i> , 2010 , 44, 2668-2673	5.3	81
616	Chemical Characteristics of Fine Particles (PM1) from Xi'an, China. <i>Aerosol Science and Technology</i> , 2010 , 44, 461-472	3.4	80
615	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. <i>Scientific Reports</i> , 2016 , 6, 29612	4.9	80
614	Characterizations of volatile organic compounds (VOCs) from vehicular emissions at roadside environment: The first comprehensive study in Northwestern China. <i>Atmospheric Environment</i> , 2017 , 161, 1-12	5.3	79
613	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. <i>Particuology</i> , 2015 , 18, 96-104	2.8	79
612	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. <i>Atmospheric Research</i> , 2017 , 184, 66-76	5.4	79
611	PM1.0 and PM2.5 Characteristics in the Roadside Environment of Hong Kong. <i>Aerosol Science and Technology</i> , 2006 , 40, 157-165	3.4	79
610	Organic molecular compositions and size distributions of chinese summer and autumn aerosols from nanjing: characteristic haze event caused by wheat straw burning. <i>Environmental Science & Technology</i> , 2009 , 43, 6493-9	10.3	78
609	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. <i>Science of the Total Environment</i> , 2016 , 569-570, 619-626	10.2	78
608	Evaluation of the thermal/optical reflectance method for quantification of elemental carbon in sediments. <i>Chemosphere</i> , 2007 , 69, 526-33	8.4	76
607	Source apportionment of PM2.5 in urban area of Hong Kong. <i>Journal of Hazardous Materials</i> , 2006 , 138, 73-85	12.8	76
606	Seasonal variations and chemical characteristics of sub-micrometer particles (PM1) in Guangzhou, China. <i>Atmospheric Research</i> , 2012 , 118, 222-231	5.4	75
605	Plasmonic Bi/ZnWO4 Microspheres with Improved Photocatalytic Activity on NO Removal under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6912-6920	8.3	74
604	Effect of isoprene emissions from major forests on ozone formation in the city of Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10449-10459	6.8	73
603	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , 2021 , 372, 689-691	33.3	73

602	Concentrations, seasonal variations, and transport of carbonaceous aerosols at a remote Mountainous region in western China. <i>Atmospheric Environment</i> , 2009 , 43, 4444-4452	5.3	71
601	Measuring and modeling black carbon (BC) contamination in the SE Tibetan Plateau. <i>Journal of Atmospheric Chemistry</i> , 2010 , 67, 45-60	3.2	71
600	Elemental carbon and polycyclic aromatic compounds in a 150-year sediment core from Lake Qinghai, Tibetan Plateau, China: influence of regional and local sources and transport pathways. <i>Environmental Science & Technology</i> , 2015 , 49, 4176-83	10.3	70
599	Characterization of PM _{2.5} in Guangzhou, China: uses of organic markers for supporting source apportionment. <i>Science of the Total Environment</i> , 2016 , 550, 961-971	10.2	70
598	PM-bound polycyclic aromatic hydrocarbons (PAHs) in Beijing: Seasonal variations, sources, and risk assessment. <i>Journal of Environmental Sciences</i> , 2019 , 77, 11-19	6.4	68
597	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science & Technology</i> , 2018 , 52, 10967-10974	10.3	68
596	Indoor/outdoor relationships for PM _{2.5} and associated carbonaceous pollutants at residential homes in Hong Kong - case study. <i>Indoor Air</i> , 2005 , 15, 197-204	5.4	67
595	Evolution of PM _{2.5} Measurements and Standards in the U.S. and Future Perspectives for China. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1197-1211	4.6	66
594	Chemical composition of PM ₁₀ and PM _{2.5} collected at ground level and 100 meters during a strong winter-time pollution episode in Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2011 , 61, 1150-9	2.4	65
593	Comparison of abundances, compositions and sources of elements, inorganic ions and organic compounds in atmospheric aerosols from Xi'an and New Delhi, two megacities in China and India. <i>Science of the Total Environment</i> , 2014 , 476-477, 485-95	10.2	63
592	Carbonaceous aerosols in PM ₁₀ and pollution gases in winter in Beijing. <i>Journal of Environmental Sciences</i> , 2007 , 19, 564-71	6.4	63
591	Comparison of elemental carbon in lake sediments measured by three different methods and 150-year pollution history in Eastern China. <i>Environmental Science & Technology</i> , 2011 , 45, 5287-93	10.3	61
590	Wintertime secondary organic aerosol formation in Beijing-Tianjin-Hebei (BTH): contributions of HONO sources and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2343-2359	6.8	60
589	Characteristics of PM _{2.5} emitted from different cooking activities in China. <i>Atmospheric Research</i> , 2015 , 166, 83-91	5.4	60
588	N-alkanes and polycyclic aromatic hydrocarbons in total suspended particulates from the southeastern Tibetan Plateau: concentrations, seasonal variations, and sources. <i>Science of the Total Environment</i> , 2014 , 470-471, 9-18	10.2	59
587	Carbonaceous aerosols recorded in a southeastern Tibetan glacier: analysis of temporal variations and model estimates of sources and radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1191-1204	6.8	59
586	Regional modeling of organic aerosols over China in summertime. <i>Journal of Geophysical Research</i> , 2008 , 113,		59
585	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. <i>Atmospheric Environment</i> , 2014 , 95, 552-562	5.3	58

584	Optical properties and possible sources of brown carbon in PM _{2.5} over Xi'an, China. <i>Atmospheric Environment</i> , 2017 , 150, 322-330	5.3	58
583	Contributions of trans-boundary transport to summertime air quality in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2035-2051	6.8	58
582	Climate effect of black carbon aerosol in a Tibetan Plateau glacier. <i>Atmospheric Environment</i> , 2015 , 111, 71-78	5.3	57
581	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7373-7387	6.8	57
580	Emissions of polycyclic aromatic hydrocarbons from coking industries in China. <i>Particuology</i> , 2013 , 11, 86-93	2.8	57
579	Precautions for in-injection port thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) as applied to aerosol filter samples. <i>Atmospheric Environment</i> , 2011 , 45, 1491-1496	5.3	57
578	An Overview: Polycyclic Aromatic Hydrocarbon Emissions from the Stationary and Mobile Sources and in the Ambient Air. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2730-2762	4.6	57
577	Differential responses of carbon-degrading enzyme activities to warming: Implications for soil respiration. <i>Global Change Biology</i> , 2018 , 24, 4816-4826	11.4	56
576	Comparison of dicarboxylic acids and related compounds in aerosol samples collected in Xi'an, China during haze and clean periods. <i>Atmospheric Environment</i> , 2013 , 81, 443-449	5.3	56
575	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2104-2114	4.6	56
574	Characterization and cytotoxicity of PAHs in PM emitted from residential solid fuel burning in the Guanzhong Plain, China. <i>Environmental Pollution</i> , 2018 , 241, 359-368	9.3	55
573	Uncertainty assessment of source attribution of PM _{2.5} and its water-soluble organic carbon content using different biomass burning tracers in positive matrix factorization analysis--a case study in Beijing, China. <i>Science of the Total Environment</i> , 2016 , 543, 326-335	10.2	54
572	Chemical composition and bioreactivity of PM _{2.5} during 2013 haze events in China. <i>Atmospheric Environment</i> , 2016 , 126, 162-170	5.3	53
571	Effect of ambient humidity on the light absorption amplification of black carbon in Beijing during January 2013. <i>Atmospheric Environment</i> , 2016 , 124, 217-223	5.3	52
570	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9675-9691	6.8	52
569	Long-term trends in visibility and impacts of aerosol composition on visibility impairment in Baoji, China. <i>Atmospheric Research</i> , 2014 , 149, 88-95	5.4	52
568	Seasonal variations of anhydrosugars in PM _{2.5} in the Pearl River Delta Region, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2014 , 66, 22577	3.3	52
567	In situ Fabrication of Bi ₂ O ₃ /(BiO) ₂ CO ₃ Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. <i>Scientific Reports</i> , 2016 , 6, 23435	4.9	51

566	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2014 , 64, 1317-27	2.4	51
565	Chemical profiles of urban fugitive dust over Xi'an in the south margin of the Loess Plateau, China. <i>Atmospheric Pollution Research</i> , 2014 , 5, 421-430	4.5	51
564	Characteristics and major sources of carbonaceous aerosols in PM _{2.5} from Sanya, China. <i>Science of the Total Environment</i> , 2015 , 530-531, 110-119	10.2	50
563	Hierarchical porous ZnWO ₄ microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. <i>Applied Catalysis A: General</i> , 2016 , 515, 170-178	5.1	50
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4 ¹⁴	Differing toxicity of ambient particulate matter (PM) in global cities. <i>Atmospheric Environment</i> , 2019 , 212, 305-315	5.3	25
4 ¹³	Characteristics of clay minerals in asian dust and their environmental significance. <i>Particuology: Science and Technology of Particles</i> , 2005 , 3, 260-264		25
4 ¹²	High Selectivity of Visible-Light-Driven La-doped TiO ₂ Photocatalysts for NO Removal. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 2555-2565	4.6	25
4 ¹¹	Impact of primary and secondary air supply intensity in stove on emissions of size-segregated particulate matter and carbonaceous aerosols from apple tree wood burning. <i>Atmospheric Research</i> , 2018 , 202, 33-39	5.4	25
4 ¹⁰	. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10609-10617	3.9	24
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