Ke Li

List of Publications by Year
in descending order

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56 papers	5,141 citations	185998 28 h-index	149479 56 g-index
60 all docs	60 docs citations	60 times ranked	4046 citing authors

#	Article	IF	Citations
1	Synergistic data fusion of multimodal AOD and air quality data for near real-time full coverage air pollution assessment. Journal of Environmental Management, 2022, 302, 114121.	3.8	18
2	Full-coverage mapping and spatiotemporal variations of ground-level ozone (O3) pollution from 2013 to 2020 across China. Remote Sensing of Environment, 2022, 270, 112775.	4.6	174
3	Do More Frequent Temperature Inversions Aggravate Haze Pollution in China?. Geophysical Research Letters, 2022, 49, .	1.5	8
4	Spatiotemporal characteristics of PM2.5 and ozone concentrations in Chinese urban clusters. Chemosphere, 2022, 295, 133813.	4.2	29
5	ENSO modulation of summertime tropospheric ozone over China. Environmental Research Letters, 2022, 17, 034020.	2.2	20
6	Meteorological influences on daily variation and trend of summertime surface ozone over years of 2015â€“2020: Quantification for cities in the Yangtze River Delta. Science of the Total Environment, 2022, 834, 155107.	3.9	23
7	Winter particulate pollution severity in North China driven by atmospheric teleconnections. Nature Geoscience, 2022, 15, 349-355.	5.4	37
8	Ozone pollution in the North China Plain spreading into the late-winter haze season. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	138
9	Characteristics of Chemical Speciation in PM1 in Six Representative Regions in China. Advances in Atmospheric Sciences, 2021, 38, 1101-1114.	1.9	4
10	Control of particulate nitrate air pollution in China. Nature Geoscience, 2021, 14, 389-395.	5.4	139
11	The underappreciated role of agricultural soil nitrogen oxide emissions in ozone pollution regulation in North China. Nature Communications, 2021, 12, 5021.	5.8	98
12	Global modeling of heterogeneous hydroxymethanesulfonate chemistry. Atmospheric Chemistry and Physics, 2021, 21, 457-481.	1.9	17
13	Mitigation potential of global ammonia emissions and related health impacts in the trade network. Nature Communications, 2021, 12, 6308.	5.8	32
14	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM_{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. Atmospheric Chemistry and Physics, 2021, 21, 16775-16791.	1.9	18
15	Unprecedented decline in summertime surface ozone over eastern China in 2020 comparably attributable to anthropogenic emission reductions and meteorology. Environmental Research Letters, 2021, 16, 124069.	2.2	35
16	Decreasing methane emissions from Chinaâ€™s coal mining with rebounded coal production. Environmental Research Letters, 2021, 16, 124037.	2.2	16
17	Atmospheric Circulation Patterns Conducive to Severe Haze in Eastern China Have Shifted Under Climate Change. Geophysical Research Letters, 2021, 48, e2021GL095011.	1.5	11
18	Measurement report: Fast photochemical production of peroxyacetyl nitrate (PAN) over the rural North China Plain during haze events in autumn. Atmospheric Chemistry and Physics, 2021, 21, 17995-18010.	1.9	7

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19	Development and evaluation of a new compact mechanism for aromatic oxidation in atmospheric models. Atmospheric Chemistry and Physics, 2021, 21, 18351-18374.	1.9	19
20	Observed dependence of surface ozone on increasing temperature in Shanghai, China. Atmospheric Environment, 2020, 221, 117108.	1.9	48
21	Validation and Calibration of CAMS PM2.5 Forecasts Using In Situ PM2.5 Measurements in China and United States. Remote Sensing, 2020, 12, 3813.	1.8	13
22	Markedly Enhanced Levels of Peroxyacetyl Nitrate (PAN) During COVIDâ€19 in Beijing. Geophysical Research Letters, 2020, 47, e2020GL089623.	1.5	23
23	Rapid Increases in Warm-Season Surface Ozone and Resulting Health Impact in China Since 2013. Environmental Science and Technology Letters, 2020, 7, 240-247.	3.9	255
24	Effect of changing NO_{<i>x</i>} lifetime on the seasonality and long-term trends of satellite-observed tropospheric NO₂ columns over China. Atmospheric Chemistry and Physics, 2020, 20, 1483-1495.	1.9	135
25	Impact of coal sectorâ€™s de-capacity policy on coal price. Applied Energy, 2020, 265, 114802.	5.1	87
26	Increases in surface ozone pollution in China from 2013 to 2019: anthropogenic and meteorological influences. Atmospheric Chemistry and Physics, 2020, 20, 11423-11433.	1.9	294
27	A homogenized daily in situ PM_{2.5} concentration dataset from the national air quality monitoring network in China. Earth System Science Data, 2020, 12, 3067-3080.	3.7	16
28	Directional transport of centimeter-scale object on anisotropic microcilia surface under water. Science China Materials, 2019, 62, 236-244.	3.5	13
29	Spatiotemporal Associations between PM2.5 and SO2 as well as NO2 in China from 2015 to 2018. International Journal of Environmental Research and Public Health, 2019, 16, 2352.	1.2	12
30	Exploring 2016â€“2017 surface ozone pollution over China: source contributions and meteorological influences. Atmospheric Chemistry and Physics, 2019, 19, 8339-8361.	1.9	244
31	Fine particulate matter (PM_{2.5}) trends in China, 2013â€“2018: separating contributions from anthropogenic emissions and meteorology. Atmospheric Chemistry and Physics, 2019, 19, 11031-11041.	1.9	442
32	An evaluation of the ability of the Ozone Monitoring Instrument (OMI) to observe boundary layer ozone pollution across China: application to 2005â€“2017 ozone trends. Atmospheric Chemistry and Physics, 2019, 19, 6551-6560.	1.9	65
33	Vertical characteristics of peroxyacetyl nitrate (PAN) from a 250-m tower in northern China during September 2018. Atmospheric Environment, 2019, 213, 55-63.	1.9	20
34	Nano-sized ZrO2 derived from metalâ€“organic frameworks and their catalytic performance for aromatic synthesis from syngas. Catalysis Science and Technology, 2019, 9, 2982-2992.	2.1	32
35	The 2005â€“2016 Trends of Formaldehyde Columns Over China Observed by Satellites: Increasing Anthropogenic Emissions of Volatile Organic Compounds and Decreasing Agricultural Fire Emissions. Geophysical Research Letters, 2019, 46, 4468-4475.	1.5	66
36	XAFS Studies of Feâ€“SiO₂ Fischerâ€“Tropsch Catalyst During Activation in CO, H₂, and Synthesis Gas. ChemCatChem, 2019, 11, 2206-2216.	1.8	13

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37	A two-pollutant strategy for improving ozone and particulate air quality in China. Nature Geoscience, 2019, 12, 906-910.	5.4	493
38	Anthropogenic drivers of 2013â€“2017 trends in summer surface ozone in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 422-427.	3.3	990
39	A modeling study of the peroxyacetyl nitrate (PAN) during a wintertime haze event in Beijing, China. Science of the Total Environment, 2019, 650, 1944-1953.	3.9	24
40	Synthesis of nano-sized LTL zeolite by addition of a Ba precursor with superior n-octane aromatization performance. Catalysis Science and Technology, 2018, 8, 2860-2869.	2.1	15
41	Attribution of Anthropogenic Influence on Atmospheric Patterns Conducive to Recent Most Severe Haze Over Eastern China. Geophysical Research Letters, 2018, 45, 2072-2081.	1.5	71
42	Photocleavable antimicrobial peptide mimics for precluding antibiotic resistance. New Journal of Chemistry, 2018, 42, 3192-3195.	1.4	5
43	Implications of RCP emissions on future concentration and direct radiative forcing of secondary organic aerosol over China. Science of the Total Environment, 2018, 640-641, 1187-1204.	3.9	7
44	Ethyne-Reducing Metalâ€“Organic Frameworks to Control Fabrications of Core/shell Nanoparticles as Catalysts. ACS Catalysis, 2018, 8, 7120-7130.	5.5	28
45	Facile Largeâ€Scale Synthesis of Nanoscale Fayalite, Î±â€Fe₂SiO₄. ChemistrySelect, 2017, 2, 3356-3361.	0.7	5
46	Weather conditions conducive to Beijing severe haze more frequent under climateÂchange. Nature Climate Change, 2017, 7, 257-262.	8.1	479
47	Synthesis of Chiral 1,4â€Benzodioxanes and Chromans by Enantioselective Palladiumâ€Catalyzed Alkene Aryloxyarylation Reactions. Angewandte Chemie, 2016, 128, 5128-5132.	1.6	28
48	Implications of RCP emissions on future PM_{2.5} air quality and direct radiative forcing over China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,985.	1.2	37
49	DNA Photocleavage by Non-innocent Ligand-Based Ru(II) Complexes. Inorganic Chemistry, 2016, 55, 4296-4300.	1.9	26
50	Synthesis of Chiral 1,4â€Benzodioxanes and Chromans by Enantioselective Palladiumâ€Catalyzed Alkene Aryloxyarylation Reactions. Angewandte Chemie - International Edition, 2016, 55, 5044-5048.	7.2	95
51	An upconversion nanoparticle/Ru(<scp>ii</scp>) polypyridyl complex assembly for NIR-activated release of a DNA covalent-binding agent. RSC Advances, 2016, 6, 23804-23808.	1.7	19
52	Source sector and region contributions to concentration and direct radiative forcing of black carbon in China. Atmospheric Environment, 2016, 124, 351-366.	1.9	68
53	A bivalent cationic dye enabling selective photo-inactivation against Gram-negative bacteria. Chemical Communications, 2015, 51, 7923-7926.	2.2	15
54	Novel carbazole-based two-photon photosensitizer for efficient DNA photocleavage in anaerobic condition using near-infrared light. RSC Advances, 2015, 5, 770-774.	1.7	33

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55	Selective Photodynamic Inactivation of Bacterial Cells over Mammalian Cells by New Triarylmethanes. Langmuir, 2014, 30, 14573-14580.	1.6	40
56	Enantioselective Rhodiumâ€Catalyzed Addition of Arylboronic Acids to Trifluoromethyl Ketones. Advanced Synthesis and Catalysis, 2013, 355, 1297-1302.	2.1	39