

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	Anthropogenic drivers of 2013–2017 trends in summer surface ozone in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 422-427.	3.3	990
2	A two-pollutant strategy for improving ozone and particulate air quality in China. <i>Nature Geoscience</i> , 2019, 12, 906-910.	5.4	493
3	Weather conditions conducive to Beijing severe haze more frequent under climate change. <i>Nature Climate Change</i> , 2017, 7, 257-262.	8.1	479
4	Fine particulate matter (PM _{2.5}) trends in China, 2013–2018: separating contributions from anthropogenic emissions and meteorology. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11031-11041.	1.9	442
5	Increases in surface ozone pollution in China from 2013 to 2019: anthropogenic and meteorological influences. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11423-11433.	1.9	294
6	Rapid Increases in Warm-Season Surface Ozone and Resulting Health Impact in China Since 2013. <i>Environmental Science and Technology Letters</i> , 2020, 7, 240-247.	3.9	255
7	Exploring 2016–2017 surface ozone pollution over China: source contributions and meteorological influences. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8339-8361.	1.9	244
8	Full-coverage mapping and spatiotemporal variations of ground-level ozone (O ₃) pollution from 2013 to 2020 across China. <i>Remote Sensing of Environment</i> , 2022, 270, 112775.	4.6	174
9	Control of particulate nitrate air pollution in China. <i>Nature Geoscience</i> , 2021, 14, 389-395.	5.4	139
10	Ozone pollution in the North China Plain spreading into the late-winter haze season. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	138
11	Effect of changing NO _x lifetime on the seasonality and long-term trends of satellite-observed tropospheric NO ₂ columns over China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1483-1495.	1.9	135
12	The underappreciated role of agricultural soil nitrogen oxide emissions in ozone pollution regulation in North China. <i>Nature Communications</i> , 2021, 12, 5021.	5.8	98
13	Synthesis of Chiral 1,4-Benzodioxanes and Chromans by Enantioselective Palladium-Catalyzed Alkene Aryloxyarylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5044-5048.	7.2	95
14	Impact of coal sector's de-capacity policy on coal price. <i>Applied Energy</i> , 2020, 265, 114802.	5.1	87
15	Attribution of Anthropogenic Influence on Atmospheric Patterns Conducive to Recent Most Severe Haze Over Eastern China. <i>Geophysical Research Letters</i> , 2018, 45, 2072-2081.	1.5	71
16	Source sector and region contributions to concentration and direct radiative forcing of black carbon in China. <i>Atmospheric Environment</i> , 2016, 124, 351-366.	1.9	68
17	The 2005–2016 Trends of Formaldehyde Columns Over China Observed by Satellites: Increasing Anthropogenic Emissions of Volatile Organic Compounds and Decreasing Agricultural Fire Emissions. <i>Geophysical Research Letters</i> , 2019, 46, 4468-4475.	1.5	66
18	An evaluation of the ability of the Ozone Monitoring Instrument (OMI) to observe boundary layer ozone pollution across China: application to 2005–2017 ozone trends. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6551-6560.	1.9	65

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19	Observed dependence of surface ozone on increasing temperature in Shanghai, China. <i>Atmospheric Environment</i> , 2020, 221, 117108.	1.9	48
20	Selective Photodynamic Inactivation of Bacterial Cells over Mammalian Cells by New Triarylmethanes. <i>Langmuir</i> , 2014, 30, 14573-14580.	1.6	40
21	Enantioselective Rhodium-Catalyzed Addition of Arylboronic Acids to Trifluoromethyl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1297-1302.	2.1	39
22	Implications of RCP emissions on future PM _{2.5} air quality and direct radiative forcing over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,985.	1.2	37
23	Winter particulate pollution severity in North China driven by atmospheric teleconnections. <i>Nature Geoscience</i> , 2022, 15, 349-355.	5.4	37
24	Unprecedented decline in summertime surface ozone over eastern China in 2020 comparably attributable to anthropogenic emission reductions and meteorology. <i>Environmental Research Letters</i> , 2021, 16, 124069.	2.2	35
25	Novel carbazole-based two-photon photosensitizer for efficient DNA photocleavage in anaerobic condition using near-infrared light. <i>RSC Advances</i> , 2015, 5, 770-774.	1.7	33
26	Nano-sized ZrO ₂ derived from metal-organic frameworks and their catalytic performance for aromatic synthesis from syngas. <i>Catalysis Science and Technology</i> , 2019, 9, 2982-2992.	2.1	32
27	Mitigation potential of global ammonia emissions and related health impacts in the trade network. <i>Nature Communications</i> , 2021, 12, 6308.	5.8	32
28	Spatiotemporal characteristics of PM _{2.5} and ozone concentrations in Chinese urban clusters. <i>Chemosphere</i> , 2022, 295, 133813.	4.2	29
29	Synthesis of Chiral 1,4-Benzodioxanes and Chromans by Enantioselective Palladium-Catalyzed Alkene Aryloxyarylation Reactions. <i>Angewandte Chemie</i> , 2016, 128, 5128-5132.	1.6	28
30	Ethyne-Reducing Metal-Organic Frameworks to Control Fabrications of Core/shell Nanoparticles as Catalysts. <i>ACS Catalysis</i> , 2018, 8, 7120-7130.	5.5	28
31	DNA Photocleavage by Non-innocent Ligand-Based Ru(II) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 4296-4300.	1.9	26
32	A modeling study of the peroxyacetyl nitrate (PAN) during a wintertime haze event in Beijing, China. <i>Science of the Total Environment</i> , 2019, 650, 1944-1953.	3.9	24
33	Markedly Enhanced Levels of Peroxyacetyl Nitrate (PAN) During COVID-19 in Beijing. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089623.	1.5	23
34	Meteorological influences on daily variation and trend of summertime surface ozone over years of 2015-2020: Quantification for cities in the Yangtze River Delta. <i>Science of the Total Environment</i> , 2022, 834, 155107.	3.9	23
35	Vertical characteristics of peroxyacetyl nitrate (PAN) from a 250-m tower in northern China during September 2018. <i>Atmospheric Environment</i> , 2019, 213, 55-63.	1.9	20
36	ENSO modulation of summertime tropospheric ozone over China. <i>Environmental Research Letters</i> , 2022, 17, 034020.	2.2	20

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37	An upconversion nanoparticle/Ru(polypyridyl) complex assembly for NIR-activated release of a DNA covalent-binding agent. <i>RSC Advances</i> , 2016, 6, 23804-23808.	1.7	19
38	Development and evaluation of a new compact mechanism for aromatic oxidation in atmospheric models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18351-18374.	1.9	19
39	Synergistic data fusion of multimodal AOD and air quality data for near real-time full coverage air pollution assessment. <i>Journal of Environmental Management</i> , 2022, 302, 114121.	3.8	18
40	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter ($\text{PM}_{2.5}$): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16775-16791.	1.9	18
41	Global modeling of heterogeneous hydroxymethanesulfonate chemistry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 457-481.	1.9	17
42	A homogenized daily in situ $\text{PM}_{2.5}$ concentration dataset from the national air quality monitoring network in China. <i>Earth System Science Data</i> , 2020, 12, 3067-3080.	3.7	16
43	Decreasing methane emissions from China's coal mining with rebounded coal production. <i>Environmental Research Letters</i> , 2021, 16, 124037.	2.2	16
44	A bivalent cationic dye enabling selective photo-inactivation against Gram-negative bacteria. <i>Chemical Communications</i> , 2015, 51, 7923-7926.	2.2	15
45	Synthesis of nano-sized LTL zeolite by addition of a Ba precursor with superior <i>n</i> -octane aromatization performance. <i>Catalysis Science and Technology</i> , 2018, 8, 2860-2869.	2.1	15
46	Directional transport of centimeter-scale object on anisotropic microcilia surface under water. <i>Science China Materials</i> , 2019, 62, 236-244.	3.5	13
47	XAFS Studies of $\text{Fe}^{\text{II}}\text{SiO}_2$ Fischer-Tropsch Catalyst During Activation in CO , H_2 , and Synthesis Gas. <i>ChemCatChem</i> , 2019, 11, 2206-2216.	1.8	13
48	Validation and Calibration of CAMS $\text{PM}_{2.5}$ Forecasts Using In Situ $\text{PM}_{2.5}$ Measurements in China and United States. <i>Remote Sensing</i> , 2020, 12, 3813.	1.8	13
49	Spatiotemporal Associations between $\text{PM}_{2.5}$ and SO_2 as well as NO_2 in China from 2015 to 2018. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2352.	1.2	12
50	Atmospheric Circulation Patterns Conducive to Severe Haze in Eastern China Have Shifted Under Climate Change. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095011.	1.5	11
51	Do More Frequent Temperature Inversions Aggravate Haze Pollution in China?. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
52	Implications of RCP emissions on future concentration and direct radiative forcing of secondary organic aerosol over China. <i>Science of the Total Environment</i> , 2018, 640-641, 1187-1204.	3.9	7
53	Measurement report: Fast photochemical production of peroxyacetyl nitrate (PAN) over the rural North China Plain during haze events in autumn. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17995-18010.	1.9	7
54	Facile Large-Scale Synthesis of Nanoscale Fayalite, Fe_2SiO_4 . <i>ChemistrySelect</i> , 2017, 2, 3356-3361.	0.7	5

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55	Photocleavable antimicrobial peptide mimics for precluding antibiotic resistance. <i>New Journal of Chemistry</i> , 2018, 42, 3192-3195.	1.4	5
56	Characteristics of Chemical Speciation in PM1 in Six Representative Regions in China. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1101-1114.	1.9	4