Dawei Lu

List of Publications by Year
in descending order

26 papers	939 citations	516710 16 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	1172 citing authors

#	Article	IF	Citations
1	Phase transformation of silica particles in coal and biomass combustion processes. Environmental Pollution, 2022, 292, 118312.	7.5	9
2	Identification of two-dimensional copper signatures in human blood for bladder cancer with machine learning. Chemical Science, 2022, 13, 1648-1656.	7.4	11
3	Traffic-derived magnetite pollution in soils along a highway on the Tibetan Plateau. Environmental Science: Nano, 2022, 9, 621-631.	4.3	3
4	Data-Driven Machine Learning in Environmental Pollution: Gains and Problems. Environmental Science & Technology, 2022, 56, 2124-2133.	10.0	111
5	A pandemic-induced environmental dilemma of disposable masks: solutions from the perspective of the life cycle. Environmental Sciences: Processes and Impacts, 2022, 24, 649-674.	3.5	13
6	Internal Exposure and Distribution of Airborne Fine Particles in the Human Body: Methodology, Current Understandings, and Research Needs. Environmental Science & Technology, 2022, 56, 6857-6869.	10.0	33
7	Stable Iron Isotopic Signature Reveals Multiple Sources of Magnetic Particulate Matter in the 2021 Beijing Sandstorms. Environmental Science and Technology Letters, 2022, 9, 299-305.	8.7	7
8	New Insights into Unexpected Severe PM_{2.5} Pollution during the SARS and COVID-19 Pandemic Periods in Beijing. Environmental Science & Technology, 2022, 56, 155-164.	10.0	9
9	Nano-Tracing: Recent Progress in Sourcing Tracing Technology of Nanoparticles^{â€»}. Acta Chimica Sinica, 2022, 80, 652.	1.4	0
10	Mass spectrometry for multi-dimensional characterization of natural and synthetic materials at the nanoscale. Chemical Society Reviews, 2021, 50, 5243-5280.	38.1	23
11	Evidence of Foodborne Transmission of the Coronavirus (COVID-19) through the Animal Products Food Supply Chain. Environmental Science & Technology, 2021, 55, 2713-2716.	10.0	35
12	COVID-19-Induced Lockdowns Indicate the Short-Term Control Effect of Air Pollutant Emission in 174 Cities in China. Environmental Science & Technology, 2021, 55, 4094-4102.	10.0	25
13	Identification, Quantification, and Imaging of the Biodistribution of Soot Particles by Mass Spectral Fingerprinting. Analytical Chemistry, 2021, 93, 6665-6672.	6.5	14
14	Resurgence of Sandstorms Complicates Chinaâ€™s Air Pollution Situation. Environmental Science & Technology, 2021, 55, 11467-11469.	10.0	17
15	Two-Dimensional Silicon Fingerprints Reveal Dramatic Variations in the Sources of Particulate Matter in Beijing during 2013â€“2017. Environmental Science & Technology, 2020, 54, 7126-7135.	10.0	17
16	Separation and Tracing of Anthropogenic Magnetite Nanoparticles in the Urban Atmosphere. Environmental Science & Technology, 2020, 54, 9274-9284.	10.0	45
17	Chemical multi-fingerprinting of exogenous ultrafine particles in human serum and pleural effusion. Nature Communications, 2020, 11, 2567.	12.8	88
18	Unraveling the role of silicon in atmospheric aerosol secondary formation: a new conservative tracer for aerosol chemistry. Atmospheric Chemistry and Physics, 2019, 19, 2861-2870.	4.9	15

#	Article	IF	Citations
19	Distinguishing the sources of silica nanoparticles by dual isotopic fingerprinting and machine learning. Nature Communications, 2019, 10, 1620.	12.8	37
20	Natural Silicon Isotopic Signatures Reveal the Sources of Airborne Fine Particulate Matter. Environmental Science & Technology, 2018, 52, 1088-1095.	10.0	30
21	GEOTRACES inter-calibration of the stable silicon isotope composition of dissolved silicic acid in seawater. Journal of Analytical Atomic Spectrometry, 2017, 32, 562-578.	3.0	37
22	Recent advances in the analysis of non-traditional stable isotopes by multi-collector inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 1848-1861.	3.0	24
23	Role of Secondary Particle Formation in the Persistence of Silver Nanoparticles in Humic Acid Containing Water under Light Irradiation. Environmental Science & Technology, 2017, 51, 14164-14172.	10.0	37
24	Stable silver isotope fractionation in the natural transformation process of silver nanoparticles. Nature Nanotechnology, 2016, 11, 682-686.	31.5	85
25	Exploring the diameter and surface dependent conformational changes in carbon nanotube-protein corona and the related cytotoxicity. Journal of Hazardous Materials, 2015, 292, 98-107.	12.4	128
26	Influence of the Surface Functional Group Density on the Carbon-Nanotube-Induced Î±-Chymotrypsin Structure and Activity Alterations. ACS Applied Materials & Interfaces, 2015, 7, 18880-18890.	8.0	82