

List of Publications by Year in descending order

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		304743	434195
31	3,434	22	31
papers	citations	h-index	g-index
31	31	31	3225
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Self-assembled fungus-biochar composite pellets (FBPs) for enhanced co-sorption-biodegradation towards phenanthrene. Chemosphere, 2022, 286, 131887.	8.2	11
2	Rational solvent molecule tuning for high-performance lithium metal battery electrolytes. Nature Energy, 2022, 7, 94-106.	39.5	336
3	Scalable, Ultrathin, and Highâ€Temperatureâ€Resistant Solid Polymer Electrolytes for Energyâ€Dense Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, .	19.5	132
4	Selective Separation Catalysis Membrane for Highly Efficient Water and Soil Decontamination via a Persulfate-Based Advanced Oxidation Process. Environmental Science & Technology, 2022, 56, 3234-3244.	10.0	20
5	Facile nitrogen doping in fungal hyphae-derived biochars via cooperation of microbial culture and pyrolysis for efficient catalytic reduction of 4-nitrophenol. Chemosphere, 2022, 300, 134526.	8.2	4
6	Tuning Fluorination of Linear Carbonate for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2022, 169, 040555.	2.9	24
7	Sensitive, portable heavy-metal-ion detection by the sulfidation method on a superhydrophobic concentrator (SPOT). One Earth, 2021, 4, 756-766.	6.8	2
8	Selectively coupled small Pd nanoparticles on sp2-hybridized domain of graphene-based aerogel with enhanced catalytic activity and stability. Science of the Total Environment, 2021, 771, 145396.	8.0	11
9	All-Solid-State Lithium–Sulfur Batteries Enhanced by Redox Mediators. Journal of the American Chemical Society, 2021, 143, 18188-18195.	13.7	66
10	Dynamic spatial progression of isolated lithium during battery operations. Nature, 2021, 600, 659-663.	27.8	111
11	Ultralight and fire-extinguishing current collectors for high-energy and high-safety lithium-ion batteries. Nature Energy, 2020, 5, 786-793.	39.5	168
12	Air-Filtering Masks for Respiratory Protection from PM2.5 and Pandemic Pathogens. One Earth, 2020, 3, 574-589.	6.8	60
13	Designing a Nanoscale Three-phase Electrochemical Pathway to Promote Pt-catalyzed Formaldehyde Oxidation. Nano Letters, 2020, 20, 8719-8724.	9.1	15
14	Proton uptake behaviors of organic and inorganic matters in biochars prepared under different pyrolytic temperatures. Science of the Total Environment, 2020, 746, 140853.	8.0	6
15	Destruction of Per- and Polyfluoroalkyl Substances (PFASs) in Aqueous Film-Forming Foam (AFFF) with UV-Sulfite Photoreductive Treatment. Environmental Science & Technology, 2020, 54, 6957-6967.	10.0	88
16	Incorporating the Nanoscale Encapsulation Concept from Liquid Electrolytes into Solid-State Lithium–Sulfur Batteries. Nano Letters, 2020, 20, 5496-5503.	9.1	30
17	Application of biochar-based materials in environmental remediation: from multi-level structures to specific devices. Biochar, 2020, 2, 1-31.	12.6	118
18	Novel insights into effects of silicon-rich biochar (Sichar) amendment on cadmium uptake, translocation and accumulation in rice plants. Environmental Pollution, 2020, 265, 114772.	7.5	42

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19	Environmental Effects of Silicon within Biochar (Sichar) and Carbon–Silicon Coupling Mechanisms: A Critical Review. Environmental Science & Technology, 2019, 53, 13570-13582.	10.0	91
20	pH-dependent sorption of sulfonamide antibiotics onto biochars: Sorption mechanisms and modeling. Environmental Pollution, 2019, 248, 48-56.	7.5	61
21	Effects of biochar amendment on the soil silicon cycle in a soil-rice ecosystem. Environmental Pollution, 2019, 248, 823-833.	7.5	30
22	Insight into Multiple and Multilevel Structures of Biochars and Their Potential Environmental Applications: A Critical Review. Environmental Science & Technology, 2018, 52, 5027-5047.	10.0	593
23	Reductive Defluorination of Branched Per- and Polyfluoroalkyl Substances with Cobalt Complex Catalysts. Environmental Science and Technology Letters, 2018, 5, 289-294.	8.7	65
24	Biochar Impacts on Soil Silicon Dissolution Kinetics and their Interaction Mechanisms. Scientific Reports, 2018, 8, 8040.	3.3	39
25	A Direct Observation of the Fine Aromatic Clusters and Molecular Structures of Biochars. Environmental Science & Technology, 2017, 51, 5473-5482.	10.0	173
26	Sorption of Poly- and Perfluoroalkyl Substances (PFASs) Relevant to Aqueous Film-Forming Foam (AFFF)-Impacted Groundwater by Biochars and Activated Carbon. Environmental Science & Technology, 2017, 51, 6342-6351.	10.0	239
27	Sugar Cane-Converted Graphene-like Material for the Superhigh Adsorption of Organic Pollutants from Water via Coassembly Mechanisms. Environmental Science & Technology, 2017, 51, 12644-12652.	10.0	63
28	H/C atomic ratio as a smart linkage between pyrolytic temperatures, aromatic clusters and sorption properties of biochars derived from diverse precursory materials. Scientific Reports, 2016, 6, 22644.	3.3	149
29	Interaction Mechanisms between Biochar and Organic Pollutants. SSSA Special Publication Series, 2015, , 225-257.	0.2	4
30	Quantification of Chemical States, Dissociation Constants and Contents of Oxygen-containing Groups on the Surface of Biochars Produced at Different Temperatures. Environmental Science & Technology, 2015, 49, 309-317.	10.0	277
31	Transformation, Morphology, and Dissolution of Silicon and Carbon in Rice Straw-Derived Biochars under Different Pyrolytic Temperatures. Environmental Science & Technology, 2014, 48, 3411-3419.	10.0	406