

Jinlong Yan

List of Publications by Year in descending order

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69
papers

2,037
citations

304743

22
h-index

254184

43
g-index

69
all docs

69
docs citations

69
times ranked

2394
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental occurrences, fate, and impacts of microplastics. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109612.	6.0	259
2	Effects of chemical oxidation on surface oxygen-containing functional groups and adsorption behavior of biochar. <i>Chemosphere</i> , 2018, 207, 33-40.	8.2	257
3	Continuous immobilization of cadmium and lead in biochar amended contaminated paddy soil: A five-year field experiment. <i>Ecological Engineering</i> , 2016, 93, 1-8.	3.6	145
4	Effects of laboratory biotic aging on the characteristics of biochar and its water-soluble organic products. <i>Journal of Hazardous Materials</i> , 2020, 382, 121071.	12.4	90
5	Highly effective self-propagating synthesis of CeO ₂ -doped MnO ₂ catalysts for toluene catalytic combustion. <i>Catalysis Today</i> , 2017, 297, 167-172.	4.4	72
6	THE REDUCTION OF WHEAT Cd UPTAKE IN CONTAMINATED SOIL VIA BIOCHAR AMENDMENT: A TWO-YEAR FIELD EXPERIMENT. <i>BioResources</i> , 2012, 7, .	1.0	68
7	Influence of Biochar on Microbial Activities of Heavy Metals Contaminated Paddy Fields. <i>BioResources</i> , 2013, 8, .	1.0	63
8	Hollow-Structural Ag/Co ₃ O ₄ Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. <i>ACS Applied Nano Materials</i> , 2019, 2, 3480-3489.	5.0	60
9	Simulated photocatalytic aging of biochar in soil ecosystem: Insight into organic carbon release, surface physicochemical properties and cadmium sorption. <i>Environmental Research</i> , 2020, 183, 109241.	7.5	55
10	Production of hierarchically porous carbon from natural biomass waste for efficient organic contaminants adsorption. <i>Journal of Cleaner Production</i> , 2020, 263, 121352.	9.3	52
11	Adsorption, immobilization, and activity of Î ² -glucosidase on different soil colloids. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 565-570.	9.4	51
12	Removal of Methylene Blue from Aqueous Solution using Porous Biochar Obtained by KOH Activation of Peanut Shell Biochar. <i>BioResources</i> , 2015, 10, .	1.0	47
13	Characteristics of organo-mineral complexes in contaminated soils with long-term biochar application. <i>Journal of Hazardous Materials</i> , 2020, 384, 121265.	12.4	43
14	Production of activated biochar via a self-blowing strategy-supported sulfidated nanoscale zerovalent iron with enhanced reactivity and stability for Cr(VI) reduction. <i>Journal of Cleaner Production</i> , 2021, 315, 128108.	9.3	39
15	Adsorption Properties of Chromium (VI) by Chitosan Coated Montmorillonite. <i>Journal of Biological Sciences</i> , 2006, 6, 941-945.	0.3	38
16	Nanoscale Zero-Valent Iron Supported on Biochar: Characterization and Reactivity for Degradation of Acid Orange 7 from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	36
17	Insights into the effects of long-term biochar loading on water-soluble organic matter in soil: Implications for the vertical co-migration of heavy metals. <i>Environment International</i> , 2020, 136, 105439.	10.0	36
18	Effects of cerium precursors on surface properties of mesoporous CeMnO catalysts for toluene combustion. <i>Journal of Rare Earths</i> , 2020, 38, 70-75.	4.8	35

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19	Kinetic and thermodynamic parameters of Î²-glucosidase immobilized on various colloidal particles from a paddy soil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 298-303.	5.0	31
20	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mnâˆ²Ce Hollow Structure. <i>ChemCatChem</i> , 2020, 12, 2872-2879.	3.7	27
21	Revitalizing coastal saline-alkali soil with biochar application for improved crop growth. <i>Ecological Engineering</i> , 2022, 179, 106594.	3.6	27
22	Effects of Wet Oxidation Process on Biochar Surface in Acid and Alkaline Soil Environments. <i>Materials</i> , 2018, 11, 2362.	2.9	24
23	Mechanism of adsorption of cadmium and lead ions by iron-activated biochar. <i>BioResources</i> , 2019, 14, 842-857.	1.0	24
24	Remediation of organic halogen- contaminated wetland soils using biochar. <i>Science of the Total Environment</i> , 2019, 696, 134087.	8.0	22
25	Facile fabrication of hollow structured Cu-Ce binary oxides and their catalytic properties for toluene combustion. <i>Catalysis Today</i> , 2021, 376, 239-246.	4.4	22
26	Cobalt nanoparticles embedded in a porous carbon matrix as an efficient catalyst for ammonia decomposition. <i>Catalysis Science and Technology</i> , 2017, 7, 1363-1371.	4.1	21
27	Effects of biochar on cadmium (Cd) uptake in vegetables and its natural downward movement in saline-alkali soil. <i>Environmental Pollutants and Bioavailability</i> , 2020, 32, 36-46.	3.0	21
28	Removal of the Pesticide Pymetrozine from Aqueous Solution by Biochar Produced from Brewer's Spent Grain at Different Pyrolytic Temperatures. <i>BioResources</i> , 2014, 9, .	1.0	19
29	Embedded MoN@C nanocomposites as an advanced catalyst for ammonia decomposition toÂCOx-free hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30630-30638.	7.1	19
30	Electrochemical behavior of valsartan and its determination in capsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 205-209.	5.0	17
31	Removal of acid orange 7 by surfactant-modified iron nanoparticle supported on palygorskite: Reactivity and mechanism. <i>Applied Clay Science</i> , 2018, 152, 173-182.	5.2	17
32	Changes in surface characteristics and adsorption properties of 2,4,6-trichlorophenol following Fenton-like aging of biochar. <i>Scientific Reports</i> , 2021, 11, 4293.	3.3	17
33	Facile Synthesis of Magnetic Nitrogen-Doped Porous Carbon from Bimetallic Metalâ€“Organic Frameworks for Efficient Norfloxacin Removal. <i>Nanomaterials</i> , 2018, 8, 664.	4.1	16
34	Embedded iron nanoparticles by graphitized carbon as highly active yet stable catalyst for ammonia decomposition. <i>Molecular Catalysis</i> , 2017, 442, 147-153.	2.0	15
35	Biochar Immobilizes and Degrades 2,4,6â€“trichlorophenol in Soils. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1364-1371.	4.3	15
36	Adsorptive and Reductive Removal of Chlorophenol from Wastewater by Biomass-Derived Mesoporous Carbon-Supported Sulfide Nanoscale Zerovalent Iron. <i>Nanomaterials</i> , 2019, 9, 1786.	4.1	15

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37	Binding constants of lead by humic and fulvic acids studied by anodic stripping square wave voltammetry. Russian Journal of Electrochemistry, 2010, 46, 90-94.	0.9	14
38	Ion-Exchanged ZIF-67 Synthesized by One-Step Method for Enhancement of CO ₂ Adsorption. Journal of Nanomaterials, 2020, 2020, 1-11.	2.7	14
39	Sorption behavior of dimethyl phthalate in biochar-soil composites: Implications for the transport of phthalate esters in long-term biochar amended soils. Ecotoxicology and Environmental Safety, 2020, 205, 111169.	6.0	13
40	Effect of different supports on activity of Mn ²⁺ /Ce binary oxides catalysts for toluene combustion. Journal of Rare Earths, 2022, 40, 645-651.	4.8	13
41	Degradation of Herbicide Mesotrione in Three Soils with Differing Physicochemical Properties from China. Journal of Environmental Quality, 2015, 44, 1631-1637.	2.0	12
42	Silica-assisted mesoporous Co@Carbon nanoplates derived from ZIF-67 crystals and their enhanced catalytic activity. Journal of Solid State Chemistry, 2018, 267, 134-139.	2.9	12
43	ZIF-67 Derived Hollow Structured Co ₃ O ₄ Nanocatalysts: Tunable Synthetic Strategy Induced Enhanced Catalytic Performance. Catalysis Letters, 2019, 149, 3058-3065.	2.6	12
44	Effects of Pulp Wastewater Irrigation on Soil Enzyme Activities and Respiration from a Managed Wetland. Soil and Sediment Contamination, 2010, 19, 204-216.	1.9	11
45	Spatial distribution of total halogenated organic compounds (TX), adsorbable organic halogens (AOX), and heavy metals in wetland soil irrigated with pulp and paper wastewater. Chemical Speciation and Bioavailability, 2017, 29, 15-24.	2.0	10
46	Molecularly Imprinted Electrochemical Sensor for the Determination of Sulfamethoxazole. Journal of New Materials for Electrochemical Systems, 2018, 21, 077-080.	0.6	10
47	Mechanochemical modification of biochar-attapulgite nanocomposites for cadmium removal: Performance and mechanisms. Biochemical Engineering Journal, 2022, 179, 108332.	3.6	10
48	Facile synthesis of novel hierarchically porous carbon derived from nature biomass for enhanced removal of NaCl. Water Science and Technology, 2016, 74, 1821-1831.	2.5	8
49	Reduction of adsorbed As(V) on nano-TiO ₂ by sulfate-reducing bacteria. Science of the Total Environment, 2017, 598, 839-846.	8.0	8
50	Nutrient alterations following biochar application to a Cd-contaminated solution and soil. Biochar, 2021, 3, 457-468.	12.6	7
51	EQUILIBRIUM AND KINETIC STUDIES OF PHENOL SORPTION BY CHITOSAN COATED MONTMORILLONITE. Journal of the Chilean Chemical Society, 2009, 54, .	1.2	6
52	Does Biochar Alter the Speciation of Cd and Pb in Aqueous Solution?. BioResources, 2014, 10, .	1.0	6
53	Heterogeneous photodegradation of mesotrione in nano Fe ₂ O ₃ /oxalate system under UV light irradiation. RSC Advances, 2015, 5, 12638-12643.	3.6	6
54	Benzothiazole heterogeneous photodegradation in nano Fe ₂ O ₃ /oxalate system under UV light irradiation. Royal Society Open Science, 2018, 5, 180322.	2.4	6

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55	Short- and Long-Term Biochar Cadmium and Lead Immobilization Mechanisms. <i>Environments - MDPI</i> , 2020, 7, 53.	3.3	6
56	Thermal-alkali and enzymes for efficient biomethane production from co-digestion of corn straw and cattle manure. <i>BioResources</i> , 2019, 14, 5422-5437.	1.0	6
57	Renewable Material-derived Biochars for the Efficient Removal of 2,4-Dichlorophen from Aqueous Solution: Adsorption/Desorption Mechanisms. <i>BioResources</i> , 2017, 12, .	1.0	5
58	Physicochemical disintegration of biochar: a potentially important process for long-term cadmium and lead sorption. <i>Biochar</i> , 2021, 3, 511-518.	12.6	5
59	Adsorption Behaviour of Pymetrozine by Four Kinds of Biochar from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2013, 31, 477-487.	3.2	4
60	Assessing and monitoring the ecotoxicity of pulp and paper wastewater for irrigating reed fields using the polyurethane foam unit method based on monitoring protozoal communities. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6590-6600.	5.3	4
61	Porous Biomass Carbon Coated with SiO ₂ as High Performance Electrodes for Capacitive Deionization. <i>BioResources</i> , 2017, 13, .	1.0	4
62	Kinetic Models of the Adsorption of Hexavalent Chromium by Chitosan from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2009, 27, 835-843.	3.2	3
63	Palygorskite-supported sulfide-modified nanoscale zero-valent iron for Congo red removal. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 233-239.	3.0	3
64	Degradation of Congo red by integration of supported nanoscale zero-valent iron with photo-catalytic oxidation. , 0, 82, 114-120.		3
65	Study on the Mass Transfer Enhancement in Biofilms Applied in Papermaking Wastewater Treatment. <i>BioResources</i> , 2017, 13, .	1.0	1
66	Binding Constants of Lead by Humic and Fulvic Acids Studied by Anodic Stripping Square Wave Voltammetry. , 2008, , .		0
67	Adsorption Behavior of P-Chlorophenol on the Reed Wetland Soils. , 2008, , .		0
68	Effect of p-Chlorophenol on Soil Respiration and Urease Activity. , 2008, , .		0
69	Cellulase Activity in Physically Isolated Fractions of a Paddy Soil. , 2009, , .		0