

# Jinlong Yan

## List of Publications by Year in descending order

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69  
papers

2,037  
citations

304368

22  
h-index

253896

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.	2.9	259
2	Effects of chemical oxidation on surface oxygen-containing functional groups and adsorption behavior of biochar. <i>Chemosphere</i> , 2018, 207, 33-40.	4.2	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.	1.6	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.	6.5	90
5	Highly effective self-propagating synthesis of CeO <sub>2</sub> -doped MnO <sub>2</sub> catalysts for toluene catalytic combustion. <i>Catalysis Today</i> , 2017, 297, 167-172.	2.2	72
6	THE REDUCTION OF WHEAT Cd UPTAKE IN CONTAMINATED SOIL VIA BIOCHAR AMENDMENT: A TWO-YEAR FIELD EXPERIMENT. <i>BioResources</i> , 2012, 7, .	0.5	68
7	Influence of Biochar on Microbial Activities of Heavy Metals Contaminated Paddy Fields. <i>BioResources</i> , 2013, 8, .	0.5	63
8	Hollow-Structural Ag/Co <sub>3</sub> O <sub>4</sub> Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. <i>ACS Applied Nano Materials</i> , 2019, 2, 3480-3489.	2.4	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.	3.7	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.	4.6	52
11	Adsorption, immobilization, and activity of Î²-glucosidase on different soil colloids. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 565-570.	5.0	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, .	0.5	47
13	Characteristics of organo-mineral complexes in contaminated soils with long-term biochar application. <i>Journal of Hazardous Materials</i> , 2020, 384, 121265.	6.5	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.	4.6	39
15	Adsorption Properties of Chromium (VI) by Chitosan Coated Montmorillonite. <i>Journal of Biological Sciences</i> , 2006, 6, 941-945.	0.1	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.	1.1	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.	4.8	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.	2.5	35

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19	Kinetic and thermodynamic parameters of $\beta$ -glucosidase immobilized on various colloidal particles from a paddy soil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 298-303.	2.5	31
20	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn <sup>2+</sup> /Ce Hollow Structure. <i>ChemCatChem</i> , 2020, 12, 2872-2879.	1.8	27
21	Revitalizing coastal saline-alkali soil with biochar application for improved crop growth. <i>Ecological Engineering</i> , 2022, 179, 106594.	1.6	27
22	Effects of Wet Oxidation Process on Biochar Surface in Acid and Alkaline Soil Environments. <i>Materials</i> , 2018, 11, 2362.	1.3	24
23	Mechanism of adsorption of cadmium and lead ions by iron-activated biochar. <i>BioResources</i> , 2019, 14, 842-857.	0.5	24
24	Remediation of organic halogen- contaminated wetland soils using biochar. <i>Science of the Total Environment</i> , 2019, 696, 134087.	3.9	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.	2.2	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.	2.1	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.	1.3	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, .	0.5	19
29	Embedded MoN@C nanocomposites as an advanced catalyst for ammonia decomposition to CO <sub>x</sub> -free hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30630-30638.	3.8	19
30	Electrochemical behavior of valsartan and its determination in capsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 205-209.	2.5	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.	2.6	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.	1.6	17
33	Facile Synthesis of Magnetic Nitrogen-Doped Porous Carbon from Bimetallic Metal-Organic Frameworks for Efficient Norfloxacin Removal. <i>Nanomaterials</i> , 2018, 8, 664.	1.9	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.	1.0	15
35	Biochar Immobilizes and Degrades 2,4,6-Trichlorophenol in Soils. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1364-1371.	2.2	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.	1.9	15

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37	Binding constants of lead by humic and fulvic acids studied by anodic stripping square wave voltammetry. <i>Russian Journal of Electrochemistry</i> , 2010, 46, 90-94.	0.3	14
38	Ion-Exchanged ZIF-67 Synthesized by One-Step Method for Enhancement of CO <sub>2</sub> Adsorption. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-11.	1.5	14
39	Sorption behavior of dimethyl phthalate in biochar-soil composites: Implications for the transport of phthalate esters in long-term biochar amended soils. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111169.	2.9	13
40	Effect of different supports on activity of Mn <sup>2+</sup> /Ce binary oxides catalysts for toluene combustion. <i>Journal of Rare Earths</i> , 2022, 40, 645-651.	2.5	13
41	Degradation of Herbicide Mesotrione in Three Soils with Differing Physicochemical Properties from China. <i>Journal of Environmental Quality</i> , 2015, 44, 1631-1637.	1.0	12
42	Silica-assisted mesoporous Co@Carbon nanoplates derived from ZIF-67 crystals and their enhanced catalytic activity. <i>Journal of Solid State Chemistry</i> , 2018, 267, 134-139.	1.4	12
43	ZIF-67 Derived Hollow Structured Co <sub>3</sub> O <sub>4</sub> Nanocatalysts: Tunable Synthetic Strategy Induced Enhanced Catalytic Performance. <i>Catalysis Letters</i> , 2019, 149, 3058-3065.	1.4	12
44	Effects of Pulp Wastewater Irrigation on Soil Enzyme Activities and Respiration from a Managed Wetland. <i>Soil and Sediment Contamination</i> , 2010, 19, 204-216.	1.1	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. <i>Chemical Speciation and Bioavailability</i> , 2017, 29, 15-24.	2.0	10
46	Molecularly Imprinted Electrochemical Sensor for the Determination of Sulfamethoxazole. <i>Journal of New Materials for Electrochemical Systems</i> , 2018, 21, 077-080.	0.3	10
47	Mechanochemical modification of biochar-attapulgite nanocomposites for cadmium removal: Performance and mechanisms. <i>Biochemical Engineering Journal</i> , 2022, 179, 108332.	1.8	10
48	Facile synthesis of novel hierarchically porous carbon derived from nature biomass for enhanced removal of NaCl. <i>Water Science and Technology</i> , 2016, 74, 1821-1831.	1.2	8
49	Reduction of adsorbed As(V) on nano-TiO <sub>2</sub> by sulfate-reducing bacteria. <i>Science of the Total Environment</i> , 2017, 598, 839-846.	3.9	8
50	Nutrient alterations following biochar application to a Cd-contaminated solution and soil. <i>Biochar</i> , 2021, 3, 457-468.	6.2	7
51	EQUILIBRIUM AND KINETIC STUDIES OF PHENOL SORPTION BY CHITOSAN COATED MONTMORILLONITE. <i>Journal of the Chilean Chemical Society</i> , 2009, 54, .	0.5	6
52	Does Biochar Alter the Speciation of Cd and Pb in Aqueous Solution?. <i>BioResources</i> , 2014, 10, .	0.5	6
53	Heterogeneous photodegradation of mesotrione in nano Fe <sub>2</sub> O <sub>3</sub> /oxalate system under UV light irradiation. <i>RSC Advances</i> , 2015, 5, 12638-12643.	1.7	6
54	Benzothiazole heterogeneous photodegradation in nano Fe <sub>2</sub> O <sub>3</sub> /oxalate system under UV light irradiation. <i>Royal Society Open Science</i> , 2018, 5, 180322.	1.1	6

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55	Short- and Long-Term Biochar Cadmium and Lead Immobilization Mechanisms. <i>Environments - MDPI</i> , 2020, 7, 53.	1.5	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.	0.5	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, .	0.5	5
58	Physicochemical disintegration of biochar: a potentially important process for long-term cadmium and lead sorption. <i>Biochar</i> , 2021, 3, 511-518.	6.2	5
59	Adsorption Behaviour of Pymetrozine by Four Kinds of Biochar from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2013, 31, 477-487.	1.5	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.	2.7	4
61	Porous Biomass Carbon Coated with SiO <sub>2</sub> as High Performance Electrodes for Capacitive Deionization. <i>BioResources</i> , 2017, 13, .	0.5	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.	1.5	3
63	Palygorskite-supported sulfide-modified nanoscale zero-valent iron for Congo red removal. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 233-239.	1.3	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, .	0.5	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