

Lei Yu

List of Publications by Year in descending order

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50
papers

1,449
citations

304743

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330143

37
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52
docs citations

52
times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nanocellulose on sodium alginate/polyacrylamide hydrogel: Mechanical properties and adsorption-desorption capacities. <i>Carbohydrate Polymers</i> , 2019, 206, 289-301.	10.2	154
2	The adsorption mechanism of anionic and cationic dyes by Jerusalem artichoke stalk-based mesoporous activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 220-229.	6.7	126
3	Photoassisted Fenton Degradation of Polystyrene. <i>Environmental Science & Technology</i> , 2011, 45, 744-750.	10.0	99
4	Perfluoroalkyl substances (PFASs) influence the structure and function of soil bacterial community: Greenhouse experiment. <i>Science of the Total Environment</i> , 2018, 642, 1118-1126.	8.0	83
5	Reactive oxygen species (ROS) generated by cyanobacteria act as an electron acceptor in the biocathode of a bio-electrochemical system. <i>Biosensors and Bioelectronics</i> , 2013, 39, 306-310.	10.1	58
6	Enhancing taxol production in a novel endophytic fungus, <i>Aspergillus aculeatinus</i> Tax-6, isolated from <i>Taxus chinensis</i> var. <i>mairei</i> . <i>Fungal Biology</i> , 2017, 121, 1037-1044.	2.5	54
7	pH-sensitive zwitterionic coating of gold nanocages improves tumor targeting and photothermal treatment efficacy. <i>Nano Research</i> , 2018, 11, 3193-3204.	10.4	53
8	Sequential Michael addition thiol-ene and radical-mediated thiol-ene reactions in one-pot produced sequence-ordered polymers. <i>Polymer Chemistry</i> , 2015, 6, 1527-1532.	3.9	51
9	Isolation and characterization of a <i>Klebsiella oxytoca</i> strain for simultaneous azo-dye anaerobic reduction and bio-hydrogen production. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 255-262.	3.6	42
10	Adsorption and decolorization kinetics of methyl orange by anaerobic sludge. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1119-1127.	3.6	38
11	Integration of aerobic granular sludge and mesh filter membrane bioreactor for cost-effective wastewater treatment. <i>Bioresource Technology</i> , 2012, 122, 22-26.	9.6	37
12	Bioreduction of azo dyes was enhanced by in-situ biogenic palladium nanoparticles. <i>Bioresource Technology</i> , 2018, 266, 176-180.	9.6	37
13	Nitrogen and oxygen isotopic compositions of water-soluble nitrate in Taihu Lake water system, China: implication for nitrate sources and biogeochemical process. <i>Environmental Earth Sciences</i> , 2014, 71, 217-223.	2.7	34
14	Fabrication of graphene/activated carbon nanofiber composites for high performance capacitive deionization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 72, 213-219.	5.3	34
15	Microbial community structure associated with treatment of azo dye in a start-up anaerobic sequenced batch reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 54, 118-124.	5.3	33
16	Preparation of a biofloculant by using acetonitrile as sole nitrogen source and its application in heavy metals removal. <i>Journal of Hazardous Materials</i> , 2019, 363, 242-247.	12.4	33
17	Decolorization characteristics of a newly isolated salt-tolerant <i>Bacillus</i> sp. strain and its application for azo dye-containing wastewater in immobilized form. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9277-9287.	3.6	30
18	Characterization of a thermo-alkali-stable laccase from <i>Bacillus subtilis</i> cjp3 and its application in dyes decolorization. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 710-717.	1.7	28

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19	Involvement of c-type cytochrome CymA in the electron transfer of anaerobic nitrobenzene reduction by <i>Shewanella oneidensis</i> MR-1. <i>Biochemical Engineering Journal</i> , 2012, 68, 227-230.	3.6	26
20	Anaerobic degradation of microcrystalline cellulose: Kinetics and micro-scale structure evolution. <i>Chemosphere</i> , 2012, 86, 348-353.	8.2	26
21	Developing Oxygen Carriers for Chemical Looping Biomass Processing: Challenges and Opportunities. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000099.	5.3	26
22	Enhanced decolorization of methyl orange by <i>Bacillus</i> sp. strain with magnetic humic acid nanoparticles under high salt conditions. <i>Bioresource Technology</i> , 2019, 288, 121535.	9.6	23
23	Heavy metal remediation by nano zero-valent iron in the presence of microplastics in groundwater: Inhibition and induced promotion on aging effects. <i>Environmental Pollution</i> , 2021, 287, 117628.	7.5	23
24	Energy-saving preparation of a biofloculant under high-salt condition by using strain <i>Bacillus</i> sp. and the interaction mechanism towards heavy metals. <i>Chemosphere</i> , 2021, 267, 129324.	8.2	21
25	Adsorption characteristics of methylene blue by a dye-degrading and extracellular polymeric substance-producing strain. <i>Journal of Environmental Management</i> , 2021, 288, 112446.	7.8	21
26	Enhanced reduction of Fe(III) oxides and methyl orange by <i>Klebsiella oxytoca</i> in presence of anthraquinone-2-disulfonate. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4617-4625.	3.6	19
27	Enhanced removal of tetrachloroethylene from aqueous solutions by biodegradation coupled with nZVI modified by layered double hydroxide. <i>Chemosphere</i> , 2020, 243, 125260.	8.2	17
28	Intracellular azo decolorization is coupled with aerobic respiration by a <i>Klebsiella oxytoca</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2431-2439.	3.6	16
29	A novel Fe(III) dependent biofloculant from <i>Klebsiella oxytoca</i> GS-4-08: culture conditions optimization and flocculation mechanism. <i>Scientific Reports</i> , 2016, 6, 34980.	3.3	16
30	Phase changes during various treatment processes for incineration bottom ash from municipal solid wastes: A review in the application-environment nexus. <i>Environmental Pollution</i> , 2021, 287, 117618.	7.5	15
31	Acceleration of the bio-reduction of methyl orange by a magnetic and extracellular polymeric substance nanocomposite. <i>Journal of Hazardous Materials</i> , 2021, 420, 126576.	12.4	14
32	Fabrication, characterization and evaluation of mesoporous activated carbons from agricultural waste: Jerusalem artichoke stalk as an example. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 206-215.	6.0	13
33	Cloning and characterization of a Flavin-free oxygen-insensitive azoreductase from <i>Klebsiella oxytoca</i> GS-4-08. <i>Biotechnology Letters</i> , 2019, 41, 371-378.	2.2	13
34	Long-term, selective production of caproate in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2020, 302, 122865.	9.6	13
35	Degradation of endosulfan by high-energy ball milling with CaO: process and mechanism. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18541-18553.	5.3	12
36	Stoichiometry and Thermodynamic Analysis on Biohydrogen Production from Xylose by <i>Klebsiella oxytoca</i> GS-4-08. <i>Energy & Fuels</i> , 2019, 33, 356-361.	5.1	12

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37	Disintegration of aerobic granules induced by trans-2-decenoic acid. <i>Bioresource Technology</i> , 2013, 128, 823-826.	9.6	10
38	Biodegradation kinetics of nitriles with easily degradable substrate by <i>Klebsiella oxytoca</i> GS-4-08. <i>International Biodeterioration and Biodegradation</i> , 2017, 118, 95-101.	3.9	10
39	Simultaneous Decolorization and Biohydrogen Production from Xylose by <i>Klebsiella oxytoca</i> GS-4-08 in the Presence of Azo Dyes with Sulfonate and Carboxyl Groups. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	10
40	Simultaneous nitriles degradation and bioflocculant production by immobilized <i>K. oxytoca</i> strain in a continuous flow reactor. <i>Journal of Hazardous Materials</i> , 2020, 387, 121697.	12.4	10
41	Solid-liquid separation of real cellulose- containing wastewaters by extracellular polymeric substances: Mechanism and cost evaluation. <i>Separation and Purification Technology</i> , 2021, 279, 119665.	7.9	10
42	Application of the IoT in the Food Supply Chainâ€™From the Perspective of Carbon Mitigation. <i>Environmental Science & Technology</i> , 2022, 56, 10567-10576.	10.0	10
43	Efficient Biodegradation of Azo Dyes Catalyzed by the Anthraquinone-2-sulfonate and Reduced Graphene Oxide Nanocomposite. <i>ACS Omega</i> , 2020, 5, 21137-21144.	3.5	9
44	The role of anthraquinone-2-sulfonate on biohydrogen production by <i>Klebsiella</i> strain and mixed culture. <i>Bioresource Technology</i> , 2021, 334, 125243.	9.6	8
45	Aerobic and Anaerobic Biodegradation of 1,2-Dibromoethane by a Microbial Consortium under Simulated Groundwater Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3775.	2.6	6
46	Enhancement on the microbial extracellular electron transfers by modified lignin materials: Application on decolorization of azo dye. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5265-5276.	5.8	5
47	New Record of <i>Lycodon liuchengchaoi</i> in Anhui. <i>Zoological Research</i> , 2015, 36, 178-80.	0.6	4
48	Adsorption of Cu(II) and methylene blue from aqueous solutions by magnetic humic acid nanoparticles. , 0, 118, 153-162.		3
49	Acceleration of biotic decolorization and partial mineralization of methyl orange by a photo-assisted n-type semiconductor. <i>Chemosphere</i> , 2022, 291, 132846.	8.2	3
50	Identification and analysis of <i>HDâ€Žip</i> genes involved in the leaf development of <i>Liriodendron chinense</i> using multidimensional analysis. <i>Plant Biology</i> , 2022, 24, 874-886.	3.8	1