

Bo Yan

List of Publications by Year in descending order

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48
papers

1,495
citations

257450

24
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	The behaviors and fate of polycyclic aromatic hydrocarbons (PAHs) in a coking wastewater treatment plant. <i>Chemosphere</i> , 2012, 88, 174-182.	8.2	134
2	Pollution control and metal resource recovery for acid mine drainage. <i>Hydrometallurgy</i> , 2014, 147-148, 112-119.	4.3	94
3	Application Research of Biochar for the Remediation of Soil Heavy Metals Contamination: A Review. <i>Molecules</i> , 2020, 25, 3167.	3.8	92
4	Supercritical water gasification with Ni/ZrO ₂ catalyst for hydrogen production from model wastewater of polyethylene glycol. <i>Journal of Supercritical Fluids</i> , 2009, 50, 155-161.	3.2	73
5	Distribution of heavy metal pollution in sediments from an acid leaching site of e-waste. <i>Science of the Total Environment</i> , 2014, 499, 349-355.	8.0	69
6	Fixation and partitioning of heavy metals in slag after incineration of sewage sludge. <i>Waste Management</i> , 2012, 32, 957-964.	7.4	67
7	Metal recovery from the copper sulfide tailing with leaching and fractional precipitation technology. <i>Hydrometallurgy</i> , 2014, 147-148, 178-182.	4.3	62
8	Emission characteristics and associated health risk assessment of volatile organic compounds from a typical coking wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 693, 133417.	8.0	62
9	A Review of Laboratory-Scale Research on Upgrading Heavy Oil in Supercritical Water. <i>Energies</i> , 2015, 8, 8962-8989.	3.1	60
10	Spatial distribution of heavy metal contamination in soils near a primitive e-waste recycling site. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1290-1298.	5.3	57
11	Identification and removal of polycyclic aromatic hydrocarbons in wastewater treatment processes from coke production plants. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6418-6432.	5.3	48
12	Contaminant characteristics and environmental risk assessment of heavy metals in the paddy soils from lead (Pb)-zinc (Zn) mining areas in Guangdong Province, South China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24387-24399.	5.3	41
13	Modeling the performance of anaerobic digestion reactor by the anaerobic digestion system model (ADSM). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2095-2104.	6.7	40
14	Contamination of drinking water by neonicotinoid insecticides in China: Human exposure potential through drinking water consumption and percutaneous penetration. <i>Environment International</i> , 2021, 156, 106650.	10.0	40
15	Dietary Seleno-Methionine Causes Alterations in Neurotransmitters, Ultrastructure of the Brain, and Behaviors in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2021, 55, 11894-11905.	10.0	39
16	Recovery of metals from the roasted lead-zinc tailings by magnetizing roasting followed by magnetic separation. <i>Journal of Cleaner Production</i> , 2017, 158, 73-80.	9.3	38
17	Multispecies acute toxicity evaluation of wastewaters from different treatment stages in a coking wastewater treatment plant. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1967-1975.	4.3	37
18	Silver leaching and recovery of valuable metals from magnetic tailings using chloride leaching. <i>Journal of Cleaner Production</i> , 2018, 181, 408-415.	9.3	37

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19	Enhancement of PAHs biodegradation in biosurfactant/phenol system by increasing the bioavailability of PAHs. <i>Chemosphere</i> , 2021, 266, 128941.	8.2	34
20	Analysis of heavy metals fixation and associated energy consumption during sewage sludge combustion: Bench scale and pilot test. <i>Journal of Cleaner Production</i> , 2019, 229, 1243-1250.	9.3	33
21	Complex treatment of the ammonium nitrogen wastewater from rare-earth separation plant. <i>Desalination and Water Treatment</i> , 2009, 8, 109-117.	1.0	27
22	Kinetic and reaction pathway of upgrading asphaltene in supercritical water. <i>Chemical Engineering Science</i> , 2015, 134, 230-237.	3.8	26
23	Comprehensive utilization of lead-zinc tailings, part 1: Pollution characteristics and resource recovery of sulfur. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 862-869.	6.7	26
24	Spatial distribution and environmental implications of heavy metals in typical lead (Pb)-zinc (Zn) mine tailings impoundments in Guangdong Province, South China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36702-36711.	5.3	26
25	Leachability characteristic of heavy metals and associated health risk study in typical copper mining-impacted sediments. <i>Chemosphere</i> , 2020, 239, 124748.	8.2	26
26	Current situation and forecast of environmental risks of a typical lead-zinc sulfide tailings impoundment based on its geochemical characteristics. <i>Journal of Environmental Sciences</i> , 2020, 93, 120-128.	6.1	19
27	Dietary Seleno-methionine Alters the Microbial Communities and Causes Damage in the Gastrointestinal Tract of Japanese Medaka <i>Oryzias latipes</i> . <i>Environmental Science & Technology</i> , 2021, 55, 16515-16525.	10.0	19
28	Estrogenic activity and identification of potential xenoestrogens in a coking wastewater treatment plant. <i>Ecotoxicology and Environmental Safety</i> , 2015, 112, 238-246.	6.0	17
29	Contamination characteristics and potential environmental implications of heavy metals in road dusts in typical industrial and agricultural cities, southeastern Hubei Province, Central China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36223-36238.	5.3	15
30	Pilot test of pollution control and metal resource recovery for acid mine drainage. <i>Water Science and Technology</i> , 2015, 72, 2308-2317.	2.5	14
31	Preparation and adsorption characteristics for heavy metals of active silicon adsorbent from leaching residue of lead-zinc tailings. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21233-21242.	5.3	14
32	Influence of thermal treatment on fixation rate and leaching behavior of heavy metals in soils from a typical e-waste processing site. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 82-88.	6.7	13
33	Effect of NaOH on asphaltene transformation in supercritical water. <i>Journal of Supercritical Fluids</i> , 2015, 97, 116-124.	3.2	12
34	Reaction characteristics and kinetics of gallium in chlorination roasting of copper tailings using calcium chloride. <i>Rare Metals</i> , 2022, 41, 1063-1070.	7.1	11
35	Distribution Characteristics of Volatile Organic Compounds and Contribution to Ozone Formation in a Coking Wastewater Treatment Plant. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 553.	2.6	10
36	Absorption and recovery of n-hexane in aqueous solutions of fluorocarbon surfactants. <i>Journal of Environmental Sciences</i> , 2015, 37, 163-171.	6.1	9

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37	Mechanical Properties and Toxicity Risks of Lead-Zinc Sulfide Tailing-Based Construction Materials. <i>Materials</i> , 2021, 14, 2940.	2.9	8
38	A mechanistic study of Pd(OAc) ₂ -catalyzed intramolecular C-H functionalization reaction involving CO/isonitrile insertion. <i>Dalton Transactions</i> , 2015, 44, 9839-9846.	3.3	7
39	Toluene gas treatment by combination of ionic liquid absorption and photocatalytic oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 539-546.	6.7	7
40	Optimization of Oxidative Leaching for Vanadium Extraction from Low-Grade Stone Coal Using Response Surface Methodology. <i>Processes</i> , 2020, 8, 1534.	2.8	7
41	Removal of ammonia nitrogen from washing wastewater resulting from the process of rare-earth elements precipitation by the formation of struvite. <i>Desalination and Water Treatment</i> , 2010, 24, 85-92.	1.0	6
42	Enhanced adsorption performance of methylene blue from aqueous solutions onto modified adsorbents prepared from sewage sludge. <i>Water Science and Technology</i> , 2018, 78, 803-813.	2.5	4
43	Characterization of the Adsorption of Cu (II) from Aqueous Solutions onto Pyrolytic Sludge-Derived Adsorbents. <i>Water (Switzerland)</i> , 2018, 10, 1816.	2.7	3
44	Mineralogy Characteristic Study and Exploration on the Valuable Metals Enrichment of Coal Fly Ash. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-7.	1.7	3
45	Roasted modified lead-zinc tailings using alkali as activator and its mitigation of Cd contaminated: Characteristics and mechanisms. <i>Chemosphere</i> , 2022, 297, 134029.	8.2	3
46	The preparation of paddy soil amendment using granite and marble waste: Performance and mechanisms. <i>Journal of Environmental Sciences</i> , 2023, 127, 564-576.	6.1	3
47	A Functionalized Silicate Adsorbent and Exploration of Its Adsorption Mechanism. <i>Molecules</i> , 2020, 25, 1820.	3.8	2
48	Geochemical features and potential environmental implications of heavy metals in mining-impacted sediments, south China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18672-18684.	5.3	1