

Jianzi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,100
citations

394286

19
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of a novel super-absorbent based on wheat straw. <i>Bioresource Technology</i> , 2011, 102, 2853-2858.	4.8	150
2	Characterization, swelling and slow-release properties of a new controlled release fertilizer based on wheat straw cellulose hydrogel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 564-572.	2.7	115
3	Removal of Cu(II) and Cr(VI) from wastewater by an amphoteric sorbent based on cellulose-rich biomass. <i>Carbohydrate Polymers</i> , 2014, 111, 788-796.	5.1	94
4	Preparation of wheat straw based superabsorbent resins and their applications as adsorbents for ammonium and phosphate removal. <i>Bioresource Technology</i> , 2013, 143, 32-39.	4.8	80
5	A biodegradable biomass-based polymeric composite for slow release and water retention. <i>Journal of Environmental Management</i> , 2019, 230, 190-198.	3.8	65
6	Characterization and swelling-deswelling properties of wheat straw cellulose based semi-IPNs hydrogel. <i>Carbohydrate Polymers</i> , 2014, 107, 232-240.	5.1	59
7	Chlorine dioxide radicals triggered by chlorite under visible-light irradiation for enhanced degradation and detoxification of norfloxacin antibiotic: Radical mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2021, 414, 128768.	6.6	55
8	A wheat straw cellulose-based hydrogel for Cu (II) removal and preparation copper nanocomposite for reductive degradation of chloramphenicol. <i>Carbohydrate Polymers</i> , 2018, 190, 12-22.	5.1	45
9	The obvious advantage of amino-functionalized metal-organic frameworks: As a persulfate activator for bisphenol F degradation. <i>Science of the Total Environment</i> , 2020, 741, 140464.	3.9	43
10	Synchronous synthesis of Cu ₂ O/Cu/rGO@carbon nanomaterials photocatalysts via the sodium alginate hydrogel template method for visible light photocatalytic degradation. <i>Science of the Total Environment</i> , 2019, 693, 133657.	3.9	39
11	In-situ synthesis of CuS@carbon nanocomposites and application in enhanced photo-fenton degradation of 2,4-DCP. <i>Chemosphere</i> , 2021, 270, 129295.	4.2	38
12	Magnetic hydrogel derived from wheat straw cellulose/feather protein in ionic liquids as copper nanoparticles carrier for catalytic reduction. <i>Carbohydrate Polymers</i> , 2019, 220, 202-210.	5.1	36
13	Effect of Si/Ti molar ratio on enhanced coagulation performance, floc properties and sludge reuse of a novel hybrid coagulant: polysilicate titanium sulfate. <i>Desalination</i> , 2014, 352, 150-157.	4.0	32
14	In-situ synthesis of manganese oxide-carbon nanocomposite and its application in activating persulfate for bisphenol F degradation. <i>Science of the Total Environment</i> , 2021, 772, 144953.	3.9	32
15	A wheat straw cellulose based semi-IPN hydrogel reactor for metal nanoparticles preparation and catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2017, 7, 17599-17611.	1.7	29
16	Effect of dosing sequence and raw water pH on coagulation performance and flocs properties using dual-coagulation of polyaluminum chloride and compound biofloculant in low temperature surface water treatment. <i>Chemical Engineering Journal</i> , 2013, 229, 477-483.	6.6	28
17	Biomass hydrogels combined with carbon nanotubes for water purification via efficient and continuous solar-driven steam generation. <i>Science of the Total Environment</i> , 2022, 837, 155757.	3.9	26
18	A novel Enteromorpha based hydrogel for copper and nickel nanoparticle preparation and their use in hydrogen production as catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6746-6756.	3.8	25

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19	Enhanced degradation of bisphenol F in a porphyrin-MOF based visible-light system under high salinity conditions. <i>Chemical Engineering Journal</i> , 2022, 428, 132106.	6.6	21
20	A 3D MIL-101@rGO composite as catalyst for efficient conversion of straw cellulose into valuable organic acid. <i>Chinese Chemical Letters</i> , 2022, 33, 2573-2578.	4.8	19
21	In situ synthesis of Fe-N co-doped carbonaceous nanocomposites using biogas residue as an effective persulfate activator for remediation of aged petroleum contaminated soils. <i>Journal of Hazardous Materials</i> , 2022, 435, 128963.	6.5	18
22	Synthesis and swelling behaviors of semi-IPNs superabsorbent resin based on chicken feather protein. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	15
23	Fouling of forward osmosis membrane by protein (BSA): effects of pH, calcium, ionic strength, initial permeate flux, membrane orientation and foulant composition. <i>Desalination and Water Treatment</i> , 2016, 57, 13415-13424.	1.0	15
24	A study on the deep dewatering of urban dewatered-sewage sludge by aluminum chloride. <i>Desalination and Water Treatment</i> , 2016, 57, 545-552.	1.0	12
25	Application for acrylonitrile wastewater treatment by new micro-electrolysis ceramic fillers. <i>Desalination and Water Treatment</i> , 2014, , 1-9.	1.0	9