

Yian Zheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

3,092
citations

32
h-index

54
g-index

76
ext. papers

3,501
ext. citations

6.9
avg, IF

5.78
L-index

#	Paper	IF	Citations
74	MoS ₂ nanoflowers decorated natural fiber-derived hollow carbon microtubes for boosting perfluorooctanoic acid degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 642, 128670	5.1	1
73	Lattice B-doping evolved ferromagnetic perovskite-like catalyst for enhancing persulfate-based degradation of norfloxacin. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127949	12.8	2
72	Recent advances in the potential applications of hollow kapok fiber-based functional materials. <i>Cellulose</i> , 2021 , 28, 5269	5.5	3
71	Open hollow structured Calotropis gigantea fiber activated persulfate for decomposition of perfluorooctanoic acid at room temperature. <i>Separation and Purification Technology</i> , 2021 , 264, 118200	8.3	4
70	Fabrication of foam-like oil sorbent from polylactic acid and Calotropis gigantea fiber for effective oil absorption. <i>Journal of Cleaner Production</i> , 2021 , 278, 123507	10.3	9
69	Tourmaline synergized with persulfate for degradation of sulfadiazine: Influencing parameters and reaction mechanism. <i>Separation and Purification Technology</i> , 2021 , 257, 117893	8.3	9
68	Semi-coke activated persulfate promotes simultaneous degradation of sulfadiazine and tetracycline in a binary mixture. <i>Chemical Engineering Journal</i> , 2021 , 416, 129122	14.7	18
67	Regenerable magnetic carbonized Calotropis gigantea fiber for hydrophobic-driven fast removal of perfluoroalkyl pollutants. <i>Cellulose</i> , 2020 , 27, 5893-5905	5.5	9
66	Poly(vinylidene Fluoride) Sandwiched Calotropis Gigantea Fiber: A Reusable Oil Sorbent with High-efficiency. <i>Journal of Natural Fibers</i> , 2020 , 1-10	1.8	3
65	MoS ₂ -roughened hollow-lumen plant fibers with enhanced oil absorption capacity. <i>Cellulose</i> , 2020 , 27, 2267-2278	5.5	5
64	A Comparative Study for Removal of Perfluorooctanoic Acid Using Three Kinds of N-polymer Functionalized Calotropis Gigantea Fiber. <i>Journal of Natural Fibers</i> , 2020 , 1-10	1.8	2
63	Removal of Three Fluoroquinolone Antibiotics by NaClO ₂ -modified Biosorbent from Fruit Fiber of C. Procera. <i>Journal of Natural Fibers</i> , 2020 , 17, 1594-1604	1.8	4
62	Enhanced adsorption of three fluoroquinolone antibiotics using polypyrrole functionalized Calotropis gigantea fiber. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 574, 178-187	5.1	15
61	Polyether sulfone assisted shape construction of Calotropis gigantea fiber for preparing a sustainable and reusable oil sorbent. <i>Cellulose</i> , 2019 , 26, 3923-3933	5.5	6
60	Highly efficient adsorption of fluoroquinolone antibiotics using chitosan derived granular hydrogel with 3D structure. <i>Journal of Molecular Liquids</i> , 2019 , 281, 307-314	6	26
59	Polydopamine-clay functionalized Calotropis gigantea fiber: A recyclable oil-absorbing material with large lumens. <i>Journal of Natural Fibers</i> , 2019 , 16, 1156-1165	1.8	6
58	Rapid nitrogen-rich modification of Calotropis gigantea fiber for highly efficient removal of fluoroquinolone antibiotics. <i>Journal of Molecular Liquids</i> , 2018 , 256, 408-415	6	15

57	Metallic nanoparticles roughened Calotropis gigantea fiber enables efficient absorption of oils and organic solvents. <i>Industrial Crops and Products</i> , 2018 , 115, 272-279	5.9	18
56	Preparation and oil absorbency of kapok-g-butyl methacrylate. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1089-1095	2.6	5
55	Calotropis gigantea fiber derived carbon fiber enables fast and efficient absorption of oils and organic solvents. <i>Separation and Purification Technology</i> , 2018 , 192, 30-35	8.3	28
54	Ciprofloxacin adsorption onto different micro-structured tourmaline, halloysite and biotite. <i>Journal of Molecular Liquids</i> , 2018 , 269, 874-881	6	40
53	A comparative study for oil-absorbing performance of octadecyltrichlorosilane treated Calotropis gigantea fiber and kapok fiber. <i>Cellulose</i> , 2017 , 24, 989-1000	5.5	24
52	Poly(m -phenylenediamine) functionalized Calotropis gigantea fiber for coupled adsorption reduction for Cr(VI). <i>Journal of Molecular Liquids</i> , 2017 , 240, 225-232	6	16
51	Oil/water mixtures and emulsions separation of stearic acid-functionalized sponge fabricated via a facile one-step coating method. <i>Separation and Purification Technology</i> , 2017 , 181, 183-191	8.3	61
50	Oriented growth of poly(m-phenylenediamine) on Calotropis gigantea fiber for rapid adsorption of ciprofloxacin. <i>Chemosphere</i> , 2017 , 171, 223-230	8.4	32
49	Natural cellulose fiber derived hollow-tubular-oriented polydopamine: In-situ formation of Ag nanoparticles for reduction of 4-nitrophenol. <i>Carbohydrate Polymers</i> , 2017 , 158, 44-50	10.3	48
48	Aconitic acid derived carbon dots as recyclable fluorescent nanoprobe for sensitive detection of mercury(II) ions, cysteine and cellular imaging. <i>RSC Advances</i> , 2017 , 7, 44178-44185	3.7	28
47	Monolithic supermacroporous hydrogel prepared from high internal phase emulsions (HIPEs) for fast removal of Cu ²⁺ and Pb ²⁺ . <i>Chemical Engineering Journal</i> , 2016 , 284, 422-430	14.7	70
46	Preparation of Chitosan-g-Poly (Vinylimidazole-co-2-Acrylamido-2-Methyl Propane Sulfonic Acid) Granular Hydrogel for Selective Adsorption of Hg ²⁺ . <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	5
45	Rapid enrichment of rare-earth metals by carboxymethyl cellulose-based open-cellular hydrogel adsorbent from HIPEs template. <i>Carbohydrate Polymers</i> , 2016 , 140, 51-8	10.3	50
44	Potential of Calotropis gigantea fiber as an absorbent for removal of oil from water. <i>Industrial Crops and Products</i> , 2016 , 83, 387-390	5.9	48
43	Perfluorosilane treated Calotropis gigantea fiber: Instant hydrophobic/oleophilic surface with efficient oil-absorbing performance. <i>Chemical Engineering Journal</i> , 2016 , 295, 477-483	14.7	45
42	Fabrication of magnetic hydroxypropyl cellulose-g-poly(acrylic acid) porous spheres via Pickering high internal phase emulsion for removal of Cu(2+) and Cd(2+). <i>Carbohydrate Polymers</i> , 2016 , 149, 242-50	10.3	42
41	Fabrication of magnetic macroporous chitosan-g-poly (acrylic acid) hydrogel for removal of Cd and Pb. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 483-492	7.9	41
40	Superadsorbent with three-dimensional networks: From bulk hydrogel to granular hydrogel. <i>European Polymer Journal</i> , 2015 , 72, 661-686	5.2	46

39	Evolution of Fe ³⁺ -hydrogel for catalytic reduction of 4-nitrophenol. <i>Colloid and Polymer Science</i> , 2015 , 293, 2009-2016	2.4	4
38	Gelatin-Grafted Granular Composite Hydrogel for Selective Removal of Malachite Green. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	16
37	Preparation of granular hydrogel composite by the redox couple for efficient and fast adsorption of La(III) and Ce(III). <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 1416-1425	6.8	44
36	In situ generation of silver nanoparticles within crosslinked 3D guar gum networks for catalytic reduction. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 39-44	7.9	23
35	Research and application of kapok fiber as an absorbing material: a mini review. <i>Journal of Environmental Sciences</i> , 2015 , 27, 21-32	6.4	101
34	A simple approach to fabricate granular adsorbent for adsorption of rare elements. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 410-20	7.9	57
33	Facile fabrication of polyaniline/kapok fiber composites via a semidry method and application in adsorption and catalyst support. <i>Cellulose</i> , 2015 , 22, 615-624	5.5	11
32	Kapok fiber structure-oriented polyallylthiourea: Efficient adsorptive reduction for Au(III) for catalytic application. <i>Polymer</i> , 2014 , 55, 5211-5217	3.9	13
31	Utilization of hollow kapok fiber for the fabrication of a pH-sensitive superabsorbent composite with improved gel strength and swelling properties. <i>RSC Advances</i> , 2014 , 4, 50478-50485	3.7	12
30	Highly efficient and selective adsorption of malachite green onto granular composite hydrogel. <i>Chemical Engineering Journal</i> , 2014 , 257, 66-73	14.7	66
29	Preparation and properties of kapok fiber enhanced oil sorption resins by suspended emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2184-2191	2.9	31
28	Coated kapok fiber for removal of spilled oil. <i>Marine Pollution Bulletin</i> , 2013 , 69, 91-6	6.7	98
27	Synthesis and oil absorption of poly(butylmethacrylate)/organo-attapulgite nanocomposite by suspended emulsion polymerization. <i>Polymer Composites</i> , 2013 , 34, 274-281	3	20
26	Enhanced Selectivity for Heavy Metals Using Polyaniline-Modified Hydrogel. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 4957-4961	3.9	18
25	Investigation of oil sorption capability of PBMA/SiO ₂ coated kapok fiber. <i>Chemical Engineering Journal</i> , 2013 , 223, 632-637	14.7	67
24	Effect of kapok fiber treated with various solvents on oil absorbency. <i>Industrial Crops and Products</i> , 2012 , 40, 178-184	5.9	182
23	Superhydrophobic kapok fiber oil-absorbent: Preparation and high oil absorbency. <i>Chemical Engineering Journal</i> , 2012 , 213, 1-7	14.7	212
22	Adsorption of Congo Red by Poly(Dimethyl Diallyl Ammonium Chloride)/Polyacrylamide Hydrogels with Excellent Acid and Alkali Resistance. <i>Separation Science and Technology</i> , 2012 , 47, 1828-1836	2.5	4

21	Ag nanoparticle-entrapped hydrogel as promising material for catalytic reduction of organic dyes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16552		133
20	Granular hydrogel initiated by Fenton reagent and their performance on Cu(II) and Ni(II) removal. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 601-610	14.7	17
19	Kapok Fiber Oriented Polyaniline for Removal of Sulfonated Dyes. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10079-10087	3.9	54
18	Rapid and wide pH-independent ammonium-nitrogen removal using a composite hydrogel with three-dimensional networks. <i>Chemical Engineering Journal</i> , 2012 , 179, 90-98	14.7	57
17	Adsorption of methylene blue by kapok fiber treated by sodium chlorite optimized with response surface methodology. <i>Chemical Engineering Journal</i> , 2012 , 184, 248-255	14.7	128
16	Kapok fiber oriented-polyaniline nanofibers for efficient Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2012 , 191, 154-161	14.7	95
15	Effects of modified vermiculite on the synthesis and swelling behaviors of hydroxyethyl cellulose-g-poly(acrylic acid)/vermiculite superabsorbent nanocomposites. <i>Journal of Polymer Research</i> , 2011 , 18, 401-408	2.7	21
14	Chitosan-g-poly(acrylic acid) hydrogel with crosslinked polymeric networks for Ni ²⁺ recovery. <i>Analytica Chimica Acta</i> , 2011 , 687, 193-200	6.6	90
13	Effect of biotite content of hydrogels on enhanced removal of methylene blue from aqueous solution. <i>Ionics</i> , 2011 , 17, 535-543	2.7	28
12	Response Surface Methodology for Optimizing Adsorption Process Parameters for Methylene Blue Removal by a Hydrogel Composite. <i>Adsorption Science and Technology</i> , 2010 , 28, 913-922	3.6	35
11	Potential of Phosphate Ion Removal Using an Al ³⁺ -Cross-linked Chitosan-g-Poly(Acrylic Acid)/Vermiculite Ionic Hybrid. <i>Adsorption Science and Technology</i> , 2010 , 28, 89-99	3.6	10
10	Removal of heavy metals using polyvinyl alcohol semi-IPN poly(acrylic acid)/tourmaline composite optimized with response surface methodology. <i>Chemical Engineering Journal</i> , 2010 , 162, 186-193	14.7	77
9	Preparation and swelling properties of semi-IPN hydrogels based on chitosan-g-poly(acrylic acid) and phosphorylated polyvinyl alcohol. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 643-652	2.9	19
8	Fast removal of ammonium nitrogen from aqueous solution using chitosan-g-poly(acrylic acid)/attapulgitic composite. <i>Chemical Engineering Journal</i> , 2009 , 155, 215-222	14.7	77
7	Study on superabsorbent composite. XX. Effects of cation-exchanged montmorillonite on swelling properties of superabsorbent composite containing sodium humate. <i>Polymer Composites</i> , 2009 , 30, 1138 ³ -1145 ¹¹		
6	Fast removal of copper ions from aqueous solution by chitosan-g-poly(acrylic acid)/attapulgitic composites. <i>Journal of Hazardous Materials</i> , 2009 , 168, 970-7	12.8	189
5	Evaluation of ammonium removal using a chitosan-g-poly (acrylic acid)/rectorite hydrogel composite. <i>Journal of Hazardous Materials</i> , 2009 , 171, 671-7	12.8	129
4	Enhanced Adsorption of Ammonium Using Hydrogel Composites Based on Chitosan and Halloysite. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009 , 47, 33-38	2.2	58

3	Syntheses and properties of superabsorbent composites based on natural guar gum and attapulgite. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1852-1859	3.2	51
2	Study on superabsorbent composites. XVIII. Preparation, characterization, and property evaluation of poly(acrylic acid-co-acrylamide)/organomontmorillonite/sodium humate superabsorbent composites. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 211-219	2.9	14
1	Study on macromolecular metal complexes: Synthesis, characterization, and fluorescence properties of stoichiometric complexes for rare earth coordinated with poly(acrylic acid). <i>Journal of Applied Polymer Science</i> , 2007 , 103, 351-357	2.9	36