Yian Zheng

List of Publications by Citations

74	3,092	32	54
papers	citations	h-index	g-index
76	3,501	6.9	5.78
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
74	Superhydrophobic kapok fiber oil-absorbent: Preparation and high oil absorbency. *Chemical Engineering Journal*, **2012**, 213, 1-7	14.7	212
73	Fast removal of copper ions from aqueous solution by chitosan-g-poly(acrylic acid)/attapulgite composites. *Journal of Hazardous Materials*, **2009**, 168, 970-7	12.8	189
72	Effect of kapok fiber treated with various solvents on oil absorbency. *Industrial Crops and Products*, **2012**, 40, 178-184	5.9	182
71	Ag nanoparticle-entrapped hydrogel as promising material for catalytic reduction of organic dyes. *Journal of Materials Chemistry*, **2012**, 22, 16552		133
70	Evaluation of ammonium removal using a chitosan-g-poly (acrylic acid)/rectorite hydrogel composite. *Journal of Hazardous Materials*, **2009**, 171, 671-7	12.8	129
69	Adsorption of methylene blue by kapok fiber treated by sodium chlorite optimized with response surface methodology. *Chemical Engineering Journal*, **2012**, 184, 248-255	14.7	128
68	Research and application of kapok fiber as an absorbing material: a mini review. *Journal of Environmental Sciences*, **2015**, 27, 21-32	6.4	101
67	Coated kapok fiber for removal of spilled oil. *Marine Pollution Bulletin*, **2013**, 69, 91-6	6.7	98
66	Kapok fiber oriented-polyaniline nanofibers for efficient Cr(VI) removal. *Chemical Engineering Journal*, **2012**, 191, 154-161	14.7	95
65	Chitosan-g-poly(acrylic acid) hydrogel with crosslinked polymeric networks for Ni2+ recovery. *Analytica Chimica Acta*, **2011**, 687, 193-200	6.6	90
64	Fast removal of ammonium nitrogen from aqueous solution using chitosan-g-poly(acrylic acid)/attapulgite composite. *Chemical Engineering Journal*, **2009**, 155, 215-222	14.7	77
63	Removal of heavy metals using polyvinyl alcohol semi-IPN poly(acrylic acid)/tourmaline composite optimized with response surface methodology. *Chemical Engineering Journal*, **2010**, 162, 186-193	14.7	77
62	Monolithic supermacroporous hydrogel prepared from high internal phase emulsions (HIPEs) for fast removal of Cu2+ and Pb2+. *Chemical Engineering Journal*, **2016**, 284, 422-430	14.7	70
61	Investigation of oil sorption capability of PBMA/SiO2 coated kapok fiber. *Chemical Engineering Journal*, **2013**, 223, 632-637	14.7	67
60	Highly efficient and selective adsorption of malachite green onto granular composite hydrogel. *Chemical Engineering Journal*, **2014**, 257, 66-73	14.7	66
59	Oil/water mixtures and emulsions separation of stearic acid-functionalized sponge fabricated via a facile one-step coating method. *Separation and Purification Technology*, **2017**, 181, 183-191	8.3	61
58	Enhanced Adsorption of Ammonium Using Hydrogel Composites Based on Chitosan and Halloysite. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2009**, 47, 33-38	2.2	58

57	A simple approach to fabricate granular adsorbent for adsorption of rare elements. *International Journal of Biological Macromolecules*, **2015**, 72, 410-20	7.9	57
56	Rapid and wide pH-independent ammonium-nitrogen removal using a composite hydrogel with three-dimensional networks. *Chemical Engineering Journal*, **2012**, 179, 90-98	14.7	57
55	Kapok Fiber Oriented Polyaniline for Removal of Sulfonated Dyes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 10079-10087	3.9	54
54	Syntheses and properties of superabsorbent composites based on natural guar gum and attapulgite. *Polymers for Advanced Technologies*, **2008**, 19, 1852-1859	3.2	51
53	Rapid enrichment of rare-earth metals by carboxymethyl cellulose-based open-cellular hydrogel adsorbent from HIPEs template. *Carbohydrate Polymers*, **2016**, 140, 51-8	10.3	50
52	Natural cellulose fiber derived hollow-tubular-oriented polydopamine: In-situ formation of Ag nanoparticles for reduction of 4-nitrophenol. *Carbohydrate Polymers*, **2017**, 158, 44-50	10.3	48
51	Potential of Calotropis gigantea fiber as an absorbent for removal of oil from water. *Industrial Crops and Products*, **2016**, 83, 387-390	5.9	48
50	Superadsorbent with three-dimensional networks: From bulk hydrogel to granular hydrogel. *European Polymer Journal*, **2015**, 72, 661-686	5.2	46
49	Perfluorosilane treated Calotropis gigantea fiber: Instant hydrophobic–oleophilic surface with efficient oil-absorbing performance. *Chemical Engineering Journal*, **2016**, 295, 477-483	14.7	45
48	Preparation of granular hydrogel composite by the redox couple for efficient and fast adsorption of La(III) and Ce(III). *Journal of Environmental Chemical Engineering*, **2015**, 3, 1416-1425	6.8	44
47	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.). *Carbohydrate Polymers*, **2016**, 149, 242-50	10.3	42
46	Fabrication of magnetic macroporous chitosan-g-poly (acrylic acid) hydrogel for removal of Cd and Pb. *International Journal of Biological Macromolecules*, **2016**, 93, 483-492	7.9	41
45	Ciprofloxacin adsorption onto different micro-structured tourmaline, halloysite and biotite. *Journal of Molecular Liquids*, **2018**, 269, 874-881	6	40
44	Study on macromolecular metal complexes: Synthesis, characterization, and fluorescence properties of stoichiometric complexes for rare earth coordinated with poly(acrylic acid). *Journal of Applied Polymer Science*, **2007**, 103, 351-357	2.9	36
43	Response Surface Methodology for Optimizing Adsorption Process Parameters for Methylene Blue Removal by a Hydrogel Composite. *Adsorption Science and Technology*, **2010**, 28, 913-922	3.6	35
42	Oriented growth of poly(m-phenylenediamine) on Calotropis gigantea fiber for rapid adsorption of ciprofloxacin. *Chemosphere*, **2017**, 171, 223-230	8.4	32
41	Preparation and properties of kapok fiber enhanced oil sorption resins by suspended emulsion polymerization. *Journal of Applied Polymer Science*, **2013**, 127, 2184-2191	2.9	31
40	Calotropis gigantea fiber derived carbon fiber enables fast and efficient absorption of oils and organic solvents. *Separation and Purification Technology*, **2018**, 192, 30-35	8.3	28

39	Aconitic acid derived carbon dots as recyclable □n□ff□n□ fluorescent nanoprobes for sensitive detection of mercury(II) ions, cysteine and cellular imaging. *RSC Advances*, **2017**, 7, 44178-44185	3.7	28
38	Effect of biotite content of hydrogels on enhanced removal of methylene blue from aqueous solution. *Ionics*, **2011**, 17, 535-543	2.7	28
37	Highly efficient adsorption of fluoroquinolone antibiotics using chitosan derived granular hydrogel with 3D structure. *Journal of Molecular Liquids*, **2019**, 281, 307-314	6	26
36	A comparative study for oil-absorbing performance of octadecyltrichlorosilane treated Calotropis gigantea fiber and kapok fiber. *Cellulose*, **2017**, 24, 989-1000	5.5	24
35	In situ generation of silver nanoparticles within crosslinked 3D guar gum networks for catalytic reduction. *International Journal of Biological Macromolecules*, **2015**, 73, 39-44	7.9	23
34	Effects of modified vermiculite on the synthesis and swelling behaviors of hydroxyethyl cellulose-g-poly(acrylic acid)/vermiculite superabsorbent nanocomposites. *Journal of Polymer Research*, **2011**, 18, 401-408	2.7	21
33	Synthesis and oil absorption of poly(butylmethacrylate)/organo-attapulgite nanocomposite by suspended emulsion polymerization. *Polymer Composites*, **2013**, 34, 274-281	3	20
32	Preparation and swelling properties of semi-IPN hydrogels based on chitosan-g-poly(acrylic acid) and phosphorylated polyvinyl alcohol. *Journal of Applied Polymer Science*, **2009**, 114, 643-652	2.9	19
31	Metallic nanoparticles roughened Calotropis gigantea fiber enables efficient absorption of oils and organic solvents. *Industrial Crops and Products*, **2018**, 115, 272-279	5.9	18
30	Enhanced Selectivity for Heavy Metals Using Polyaniline-Modified Hydrogel. *Industrial & Engineering Chemistry Research*, **2013**, 52, 4957-4961	3.9	18
29	Semi-coke activated persulfate promotes simultaneous degradation of sulfadiazine and tetracycline in a binary mixture. *Chemical Engineering Journal*, **2021**, 416, 129122	14.7	18
28	Granular hydrogel initiated by Fenton reagent and their performance on Cu(II) and Ni(II) removal. *Chemical Engineering Journal*, **2012**, 200-202, 601-610	14.7	17
27	Poly(m -phenylenediamine) functionalized Calotropis gigantea fiber for coupled adsorption reduction for Cr(VI). *Journal of Molecular Liquids*, **2017**, 240, 225-232	6	16
26	Gelatin-Grafted Granular Composite Hydrogel for Selective Removal of Malachite Green. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	16
25	Enhanced adsorption of three fluoroquinolone antibiotics using polypyrrole functionalized Calotropis gigantea fiber. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 574, 178-187	5.1	15
24	Rapid nitrogen-rich modification of Calotropis gigantea fiber for highly efficient removal of fluoroquinolone antibiotics. *Journal of Molecular Liquids*, **2018**, 256, 408-415	6	15
23	Study on superabsorbent composites. XVIII. Preparation, characterization, and property evaluation of poly(acrylic acid-co-acrylamide)/organomontmorillonite/sodium humate superabsorbent composites. *Journal of Applied Polymer Science*, **2008**, 108, 211-219	2.9	14
22	Kapok fiber structure-oriented polyallylthiourea: Efficient adsorptive reduction for Au(III) for catalytic application. *Polymer*, **2014**, 55, 5211-5217	3.9	13

21	Utilization of hollow kapok fiber for the fabrication of a pH-sensitive superabsorbent composite with improved gel strength and swelling properties. *RSC Advances*, **2014**, 4, 50478-50485	3.7	12
20	Facile fabrication of polyaniline/kapok fiber composites via a semidry method and application in adsorption and catalyst support. *Cellulose*, **2015**, 22, 615-624	5.5	11
19	Study on superabsorbent composite. XX. Effects of cation-exchanged montmorillonite on swelling properties of superabsorbent composite containing sodium humate. *Polymer Composites*, **2009**, 30, 1138-1145	3	11
18	Potential of Phosphate Ion Removal Using an Al3+-Cross-linked Chitosan-g-Poly(Acrylic Acid)/Vermiculite Ionic Hybrid. *Adsorption Science and Technology*, **2010**, 28, 89-99	3.6	10
17	Regenerable magnetic carbonized Calotropis gigantea fiber for hydrophobic-driven fast removal of perfluoroalkyl pollutants. *Cellulose*, **2020**, 27, 5893-5905	5.5	9
16	Fabrication of foam-like oil sorbent from polylactic acid and Calotropis gigantea fiber for effective oil absorption. *Journal of Cleaner Production*, **2021**, 278, 123507	10.3	9
15	Tourmaline synergized with persulfate for degradation of sulfadiazine: Influencing parameters and reaction mechanism. *Separation and Purification Technology*, **2021**, 257, 117893	8.3	9
14	Polyether sulfone assisted shape construction of Calotropis gigantea fiber for preparing a sustainable and reusable oil sorbent. *Cellulose*, **2019**, 26, 3923-3933	5.5	6
13	Polydopamine-clay functionalized Calotropis gigantea fiber: A recyclable oil-absorbing material with large lumens. *Journal of Natural Fibers*, **2019**, 16, 1156-1165	1.8	6
12	MoS2-roughened hollow-lumen plant fibers with enhanced oil absorption capacity. *Cellulose*, **2020**, 27, 2267-2278	5.5	5
11	Preparation and oil absorbency of kapok-g-butyl methacrylate. *Environmental Technology (United Kingdom)*, **2018**, 39, 1089-1095	2.6	5
10	Preparation of Chitosan-g-Poly (Vinylimidazole-co-2-Acrylamido-2-Methyl Propane Sulfonic Acid) Granular Hydrogel for Selective Adsorption of Hg2+. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	5
9	Evolution of Fe3+-hydrogel for catalytic reduction of 4-nitrophenol. *Colloid and Polymer Science*, **2015**, 293, 2009-2016	2.4	4
8	Adsorption of Congo Red by Poly(Dimethyl Diallyl Ammonium Chloride)/Polyacrylamide Hydrogels with Excellent Acid and Alkali Resistance. *Separation Science and Technology*, **2012**, 47, 1828-1836	2.5	4
7	Open hollow structured Calotropis gigantea fiber activated persulfate for decomposition of perfluorooctanoic acid at room temperature. *Separation and Purification Technology*, **2021**, 264, 118200	8.3	4
6	Removal of Three Fluoroquinolone Antibiotics by NaClO2-modified Biosorbent from Fruit Fiber of C. Procera. *Journal of Natural Fibers*, **2020**, 17, 1594-1604	1.8	4
5	Poly(vinylidene Fluoride) Sandwiched Calotropis Gigantea Fiber: A Reusable Oil Sorbent with High-efficiency. *Journal of Natural Fibers*, **2020**, 1-10	1.8	3
4	Recent advances in the potential applications of hollow kapok fiber-based functional materials. *Cellulose*, **2021**, 28, 5269	5.5	3

3	Lattice B-doping evolved ferromagnetic perovskite-like catalyst for enhancing persulfate-based degradation of norfloxacin. *Journal of Hazardous Materials*, **2021**, 425, 127949	12.8	2
2	A Comparative Study for Removal of Perfluorooctanoic Acid Using Three Kinds of N-polymer Functionalized Calotropis Gigantea Fiber. *Journal of Natural Fibers*, **2020**, 1-10	1.8	2
1	MoS2 nanoflowers decorated natural fiber-derived hollow carbon microtubes for boosting perfluorooctanoic acid degradation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 642, 128670	5.1	1