Runping Han

List of Publications by Year
in descending order

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96 papers	6,757 citations	81839 39 h-index	62565 80 g-index
98 all docs	98 docs citations	98 times ranked	5771 citing authors

#	Article	IF	Citations
1	Use of rice husk for the adsorption of congo red from aqueous solution in column mode. Bioresource Technology, 2008, 99, 2938-2946.	4.8	462
2	Adsorption of methylene blue by phoenix tree leaf powder in a fixed-bed column: experiments and prediction of breakthrough curves. Desalination, 2009, 245, 284-297.	4.0	417
3	Study of equilibrium, kinetic and thermodynamic parameters about methylene blue adsorption onto natural zeolite. Chemical Engineering Journal, 2009, 145, 496-504.	6.6	379
4	Characterization of modified wheat straw, kinetic and equilibrium study about copper ion and methylene blue adsorption in batch mode. Carbohydrate Polymers, 2010, 79, 1140-1149.	5.1	306
5	Removal of uranium(VI) from aqueous solutions by manganese oxide coated zeolite: discussion of adsorption isotherms and pH effect. Journal of Environmental Radioactivity, 2007, 93, 127-143.	0.9	263
6	Removal of copper(II) and lead(II) from aqueous solution by manganese oxide coated sand. Journal of Hazardous Materials, 2006, 137, 384-395.	6.5	253
7	Adsorption characteristics of methylene blue by peanut husk in batch and column modes. Desalination, 2011, 265, 119-125.	4.0	239
8	Biosorption of methylene blue from aqueous solution by fallen phoenix tree's leaves. Journal of Hazardous Materials, 2007, 141, 156-162.	6.5	221
9	Biosorption of copper and lead ions by waste beer yeast. Journal of Hazardous Materials, 2006, 137, 1569-1576.	6.5	218
10	Removal of methylene blue from aqueous solution by chaff in batch mode. Journal of Hazardous Materials, 2006, 137, 550-557.	6.5	206
11	Copper(II) and lead(II) removal from aqueous solution in fixed-bed columns by manganese oxide coated zeolite. Journal of Hazardous Materials, 2006, 137, 934-942.	6.5	196
12	Comparison of linear and nonlinear analysis in estimating the Thomas model parameters for methylene blue adsorption onto natural zeolite in fixed-bed column. Journal of Hazardous Materials, 2007, 145, 331-335.	6.5	194
13	Equilibrium biosorption isotherm for lead ion on chaff. Journal of Hazardous Materials, 2005, 125, 266-271.	6.5	171
14	Biosorption of copper(II) and lead(II) from aqueous solution by chaff in a fixed-bed column. Journal of Hazardous Materials, 2006, 133, 262-268.	6.5	166
15	Adsorption of Copper Ions and Methylene Blue in a Single and Binary System on Wheat Straw. Journal of Chemical & Engineering Data, 2009, 54, 3229-3234.	1.0	161
16	Biosorption of methylene blue from aqueous solution by rice husk in a fixed-bed column. Journal of Hazardous Materials, 2007, 141, 713-718.	6.5	156
17	Characterization of bio-char from pyrolysis of wheat straw and its evaluation on methylene blue adsorption. Desalination and Water Treatment, 2012, 46, 115-123.	1.0	155
18	Adsorption of methylene blue onto poly(cyclotriphosphazene-co-4,4â€²-sulfonyldiphenol) nanotubes: Kinetics, isotherm and thermodynamics analysis. Journal of Hazardous Materials, 2014, 273, 263-271.	6.5	148

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19	Kinetics and isotherms of Neutral Red adsorption on peanut husk. Journal of Environmental Sciences, 2008, 20, 1035-1041.	3.2	135
20	Adsorption of Congo red from aqueous solutions using cationic surfactant modified wheat straw in batch mode: Kinetic and equilibrium study. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2578-2583.	2.7	116
21	Malachite green adsorption onto natural zeolite and reuse by microwave irradiation. Journal of Hazardous Materials, 2010, 175, 1056-1061.	6.5	112
22	Adsorption performance of modified agricultural waste materials for removal of emerging micro-contaminant bisphenol A: A comprehensive review. Science of the Total Environment, 2021, 780, 146629.	3.9	105
23	Removal of copper(II) and lead(II) from aqueous solution by manganese oxide coated sand. Journal of Hazardous Materials, 2006, 137, 480-488.	6.5	101
24	Adsorption of light green anionic dye using cationic surfactant-modified peanut husk in batch mode. Arabian Journal of Chemistry, 2017, 10, S3595-S3602.	2.3	99
25	Uptake of micropollutant-bisphenol A, methylene blue and neutral red onto a novel bagasse-Î²-cyclodextrin polymer by adsorption process. Chemosphere, 2020, 259, 127439.	4.2	99
26	Adsorption of copper ion from solution by polyethylenimine modified wheat straw. Bioresource Technology Reports, 2019, 6, 96-102.	1.5	69
27	Phosphate Adsorption from Solution by Zirconium-Loaded Carbon Nanotubes in Batch Mode. Journal of Chemical & Engineering Data, 2019, 64, 2849-2858.	1.0	64
28	Adsorption of Congo red from solution using cationic surfactant modified wheat straw in column model. Journal of Environmental Chemical Engineering, 2014, 2, 40-45.	3.3	61
29	A review on functionalized adsorbents based on peanut husk for the sequestration of pollutants in wastewater: Modification methods and adsorption study. Journal of Cleaner Production, 2021, 310, 127502.	4.6	60
30	Characterization and properties of zeolite as adsorbent for removal of uranium(VI) from solution in fixed bed column. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 779-788.	0.7	57
31	Biosorption of methyl orange from aqueous solutions using cationic surfactant-modified wheat straw in batch mode. Desalination and Water Treatment, 2014, 52, 6145-6155.	1.0	57
32	Fabrication of zirconium (IV)-loaded chitosan/Fe3O4/graphene oxide for efficient removal of alizarin red from aqueous solution. Carbohydrate Polymers, 2020, 248, 116792.	5.1	56
33	Iron (III) and iminodiacetic acid functionalized magnetic peanut husk for the removal of phosphate from solution: Characterization, kinetic and equilibrium studies. Journal of Cleaner Production, 2020, 268, 122191.	4.6	54
34	Fe3O4 and iminodiacetic acid modified peanut husk as a novel adsorbent for the uptake of Cu (II) and Pb (II) in aqueous solution: Characterization, equilibrium and kinetic study. Environmental Pollution, 2021, 268, 115729.	3.7	49
35	Decontamination of bisphenol A and Congo red dye from solution by using CTAB functionalised walnut shell. Environmental Science and Pollution Research, 2021, 28, 28732-28749.	2.7	49
36	Effective adsorption of light green anionic dye from solution by CPB modified peanut in column mode. Journal of Molecular Liquids, 2015, 211, 909-914.	2.3	46

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37	Adsorption of phosphate on UiO-66-NH2 prepared by a green synthesis method. Journal of Environmental Chemical Engineering, 2021, 9, 106672.	3.3	46
38	Functionalization of walnut shell by grafting amine groups to enhance the adsorption of Congo red from water in batch and fixed-bed column modes. Journal of Environmental Chemical Engineering, 2021, 9, 106301.	3.3	43
39	Study of congo red adsorption onto chitosan coated magnetic iron oxide in batch mode. Desalination and Water Treatment, 2012, 37, 46-54.	1.0	42
40	Adsorption of congo red using ethylenediamine modified wheat straw. Desalination and Water Treatment, 2011, 30, 195-206.	1.0	40
41	Magnetic biocomposite based on peanut husk for adsorption of hexavalent chromium, Congo red and phosphate from solution: Characterization, kinetics, equilibrium, mechanism and antibacterial studies. Chemosphere, 2022, 287, 132030.	4.2	40
42	Removal of tetracycline using modified wheat straw from solution in batch and column modes. Journal of Molecular Liquids, 2021, 338, 116698.	2.3	36
43	Use of polyethyleneimine-modified wheat straw for adsorption of Congo red from solution in batch mode. Desalination and Water Treatment, 2016, 57, 8872-8883.	1.0	31
44	Enhanced fluoride adsorption from aqueous solution by zirconium (IV)-impregnated magnetic chitosan graphene oxide. International Journal of Biological Macromolecules, 2021, 182, 1759-1768.	3.6	31
45	One novel composite based on functionalized magnetic peanut husk as adsorbent for efficient sequestration of phosphate and Congo red from solution: Characterization, equilibrium, kinetic and mechanism studies. Journal of Colloid and Interface Science, 2021, 598, 69-82.	5.0	31
46	Preparation of Novel Magnetic Microspheres with the La and Ce-Bimetal Oxide Shell for Excellent Adsorption of Fluoride and Phosphate from Solution. Journal of Chemical & Engineering Data, 2019, 64, 3641-3651.	1.0	30
47	Iminodiacetic acid functionalized magnetic peanut husk for the removal of methylene blue from solution: characterization and equilibrium studies. Environmental Science and Pollution Research, 2020, 27, 40316-40330.	2.7	29
48	Selective and Efficient Removal of Anionic Dyes from Solution by Zirconium(IV) Hydroxide-Coated Magnetic Materials. Journal of Chemical & Engineering Data, 2019, 64, 791-799.	1.0	28
49	Removal of methylene blue from aqueous medium by citrate modified bagasse: Kinetic, Equilibrium and Thermodynamic study. Bioresource Technology Reports, 2020, 11, 100463.	1.5	28
50	A review on adsorbents for the remediation of wastewater: Antibacterial and adsorption study. Journal of Environmental Chemical Engineering, 2021, 9, 106907.	3.3	25
51	A highly sensitive colorimetric aptasensor for the detection of the vascular endothelial growth factor in human serum. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117622.	2.0	24
52	Adsorption of hexavalent chromium using modified walnut shell from solution. Water Science and Technology, 2020, 81, 824-833.	1.2	24
53	Zirconium and iminodiacetic acid modified magnetic peanut husk as a novel adsorbent for the sequestration of phosphates from solution: Characterization, equilibrium and kinetic study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126260.	2.3	24
54	Adsorption of phosphate from aqueous solution by lanthanum modified macroporous chelating resin. Korean Journal of Chemical Engineering, 2020, 37, 766-775.	1.2	22

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55	Waste peanut shell modified with polyethyleneimine for enhancement of hexavalent chromium removal from solution in batch and column modes. Bioresource Technology Reports, 2020, 12, 100576.	1.5	20
56	Green fabrication of a novel cetylpyridinium-bagasse adsorbent for sequestration of micropollutant 2,4-D herbicide in aqueous system and its antibacterial properties against S. aureus and E. coli. Journal of Environmental Chemical Engineering, 2021, 9, 106714.	3.3	19
57	Pollutant decontamination by polyethyleneimine-engineered agricultural waste materials: a review. Environmental Chemistry Letters, 2022, 20, 705-729.	8.3	19
58	High-capacity amino-functionalized walnut shell for efficient removal of toxic hexavalent chromium ions in batch and column mode. Journal of Environmental Chemical Engineering, 2022, 10, 107292.	3.3	19
59	Adsorptive removal of sulfosalicylic acid from aqueous medium by iron(III)-loaded magnetic chitosan/graphene oxide. Journal of Colloid and Interface Science, 2022, 606, 1249-1260.	5.0	18
60	A novel antibacterial biocomposite based on magnetic peanut husk for the removal of trimethoprim in solution: Adsorption and mechanism study. Journal of Cleaner Production, 2021, 329, 129722.	4.6	18
61	Adsorption study of p-nitrophenol on a silver(I) triazolate MOF. Journal of Porous Materials, 2020, 27, 1409-1417.	1.3	17
62	Functionalized magnetic biocomposite based on peanut husk for the efficient sequestration of basic dyes in single and binary systems: Adsorption mechanism and antibacterial study. Journal of Environmental Chemical Engineering, 2022, 10, 108205.	3.3	17
63	Adsorption of methylene blue and methyl orange from aqueous solution by iron oxide-coated zeolite in fi xed bed column: predicted curves. Desalination and Water Treatment, 2010, 22, 258-264.	1.0	16
64	Study of malachite green adsorption onto natural zeolite in a fixed-bed column. Desalination and Water Treatment, 2010, 20, 228-233.	1.0	16
65	Adsorption characteristics of uranyl ions by manganese oxide coated sand in batch mode. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 239-249.	0.7	16
66	Phosphorus Removal from Continuous Phosphate-Contaminated Water by Electrocoagulation using Aluminum and Iron Plates Alternately as Electrodes. Separation Science and Technology, 2014, 49, 939-945.	1.3	16
67	Polyethyleneimine modified tiger nut residue for removal of Congo red from solution. , 0, 215, 209-221.		16
68	Tiger nut residue as a renewable adsorbent for methylene blue removal from solution: adsorption kinetics, isotherm, and thermodynamic studies. , 0, 191, 426-437.		16
69	Investigations on the batch performance of cationic dyes adsorption by citric acid modified peanut husk. Desalination and Water Treatment, 2012, 49, 41-56.	1.0	15
70	Application of magnetic peanut husk for methylene blue adsorption in batch mode. , 0, 194, 269-279.		15
71	Biosorption of copper ion by natural and modified wheat straw in fixed-bed column. Desalination and Water Treatment, 2013, 51, 5735-5745.	1.0	14
72	Biosorption of methylene blue by natural and chemical modified wheat straw in fixed-bed column. Desalination and Water Treatment, 2013, 51, 4514-4523.	1.0	14

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73	Characterization of Manganese Oxide and the Adsorption of Copper(II) and Lead(II) Ions from Aqueous Solutions. Adsorption Science and Technology, 2009, 27, 549-565.	1.5	12
74	Facile synthesis of polyethyleneimine@Fe3O4 loaded with zirconium for enhanced phosphate adsorption: Performance and adsorption mechanism. Korean Journal of Chemical Engineering, 2021, 38, 135-143.	1.2	12
75	Adsorption of p-chlorophenol and p-nitrophenol in single and binary systems from solution using magnetic activated carbon. Korean Journal of Chemical Engineering, 2019, 36, 942-953.	1.2	11
76	Adsorption property of methyl orange by chitosan coated on quartz sand in batch mode. Desalination and Water Treatment, 2015, 55, 1598-1608.	1.0	10
77	Simultaneous Detection of VEGF and CEA by Time-Resolved Chemiluminescence Enzyme-Linked Aptamer Assay . International Journal of Nanomedicine, 2020, Volume 15, 9975-9985.	3.3	10
78	A novel biocomposite based on peanut husk with antibacterial properties for the efficient sequestration of trimethoprim in solution: Batch and column adsorption studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 635, 128051.	2.3	10
79	Removal of Cr(VI) from solution using UiO-66-NH2 prepared in a green way. Korean Journal of Chemical Engineering, 2022, 39, 1839-1849.	1.2	10
80	Phthalates in soft glass (a soft transparent PVC plastic sheet used extensively in household and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Chemosphere, 2018, 211, 861-866.	4.2	9
81	Enhanced chemiluminescence enzymeâ€linked immunoassay for the determination of DNA methyltransferase 1 in human serum. Luminescence, 2019, 34, 368-374.	1.5	9
82	Enhanced adsorption of copper ions by phosphoric acid-modified Paeonia ostii seed coats. Environmental Science and Pollution Research, 2020, 27, 43906-43916.	2.7	9
83	Use of Oxalic Acid-Modified Rice Husk for the Adsorption of Neutral Red from Aqueous Solutions. Adsorption Science and Technology, 2010, 28, 641-656.	1.5	8
84	Adsorption of malachite green dye from solution by magnetic activated carbon in batch mode. , 0, 106, 273-284.		8
85	Efficient removal of 2,4-D from solution using a novel antibacterial adsorbent based on tiger nut residues: adsorption and antibacterial study. Environmental Science and Pollution Research, 2022, 29, 64177-64191.	2.7	8
86	Adsorption potential of 2,4-dichlorophenol onto cationic surfactant-modified phoenix tree leaf in batch mode. Desalination and Water Treatment, 2016, 57, 6333-6346.	1.0	7
87	Adsorption of light green anionic dye from solution using polyethyleneimine-modified carbon nanotubes in batch mode. , 0, 138, 368-378.		7
88	Amine-grafted walnut shell for efficient removal of phosphate and nitrate. Environmental Science and Pollution Research, 2022, 29, 20976-20995.	2.7	7
89	Selective removal of anionic dyes in single and binary system using Zirconium and iminodiacetic acid modified magnetic peanut husk. Environmental Science and Pollution Research, 2021, 28, 37322-37337.	2.7	6
90	Adsorption of copper ions from solution using xanthate wheat straw. Water Science and Technology, 2020, 82, 2029-2038.	1.2	6

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91	Use of Manganese Oxide-Coated Sand for the Adsorption of Uranium(VI) Ions from Aqueous Solution Using a Column Mode. Adsorption Science and Technology, 2010, 28, 313-325.	1.5	5
92	Adsorption of methyl blue from solution by carboxylic multi-walled carbon nanotubes in batch mode. , 0, 159, 365-376.		5
93	Adsorption of crystal violet from aqueous solution by chemically modified phoenix tree leaves in batch mode. Desalination and Water Treatment, 2013, , 1-11.	1.0	4
94	Removal of methyl orange from aqueous solutions by polydopamine-mediated surface functionalization of Fe3O4 in batch mode. , 0, 115, 271-280.		4
95	Study of methylene blue adsorption from solution by magnetic graphene oxide composites. , 0, 147, 398-408.		3
96	Study of congo red adsorption onto chitosan coated magnetic iron oxide in batch mode. Desalination and Water Treatment, 2012, , 46-54.	1.0	1