

# 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	Magnetic biocomposite based on peanut husk for adsorption of hexavalent chromium, Congo red and phosphate from solution: Characterization, kinetics, equilibrium, mechanism and antibacterial studies. <i>Chemosphere</i> , 2022, 287, 132030.	4.2	40
2	Adsorptive removal of sulfosalicylic acid from aqueous medium by iron(III)-loaded magnetic chitosan/graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1249-1260.	5.0	18
3	Amine-grafted walnut shell for efficient removal of phosphate and nitrate. <i>Environmental Science and Pollution Research</i> , 2022, 29, 20976-20995.	2.7	7
4	Pollutant decontamination by polyethyleneimine-engineered agricultural waste materials: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 705-729.	8.3	19
5	A novel biocomposite based on peanut husk with antibacterial properties for the efficient sequestration of trimethoprim in solution: Batch and column adsorption studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128051.	2.3	10
6	Removal of Cr(VI) from solution using UiO-66-NH <sub>2</sub> prepared in a green way. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1839-1849.	1.2	10
7	High-capacity amino-functionalized walnut shell for efficient removal of toxic hexavalent chromium ions in batch and column mode. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107292.	3.3	19
8	Efficient removal of 2,4-D from solution using a novel antibacterial adsorbent based on tiger nut residues: adsorption and antibacterial study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 64177-64191.	2.7	8
9	Functionalized magnetic biocomposite based on peanut husk for the efficient sequestration of basic dyes in single and binary systems: Adsorption mechanism and antibacterial study. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108205.	3.3	17
10	Fe <sub>3</sub> O <sub>4</sub> 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. <i>Environmental Pollution</i> , 2021, 268, 115729.	3.7	49
11	Facile synthesis of polyethyleneimine@Fe <sub>3</sub> O <sub>4</sub> loaded with zirconium for enhanced phosphate adsorption: Performance and adsorption mechanism. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 135-143.	1.2	12
12	Decontamination of bisphenol A and Congo red dye from solution by using CTAB functionalised walnut shell. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28732-28749.	2.7	49
13	Selective removal of anionic dyes in single and binary system using Zirconium and iminodiacetic acid modified magnetic peanut husk. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37322-37337.	2.7	6
14	Zirconium and iminodiacetic acid modified magnetic peanut husk as a novel adsorbent for the sequestration of phosphates from solution: Characterization, equilibrium and kinetic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126260.	2.3	24
15	Enhanced fluoride adsorption from aqueous solution by zirconium (IV)-impregnated magnetic chitosan graphene oxide. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1759-1768.	3.6	31
16	Adsorption performance of modified agricultural waste materials for removal of emerging micro-contaminant bisphenol A: A comprehensive review. <i>Science of the Total Environment</i> , 2021, 780, 146629.	3.9	105
17	A review on functionalized adsorbents based on peanut husk for the sequestration of pollutants in wastewater: Modification methods and adsorption study. <i>Journal of Cleaner Production</i> , 2021, 310, 127502.	4.6	60
18	Removal of tetracycline using modified wheat straw from solution in batch and column modes. <i>Journal of Molecular Liquids</i> , 2021, 338, 116698.	2.3	36

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19	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. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 69-82.	5.0	31
20	Functionalization of walnut shell by grafting amine groups to enhance the adsorption of Congo red from water in batch and fixed-bed column modes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106301.	3.3	43
21	Adsorption of phosphate on UiO-66-NH <sub>2</sub> prepared by a green synthesis method. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106672.	3.3	46
22	Green fabrication of a novel cetylpyridinium-bagasse adsorbent for sequestration of micropollutant 2,4-D herbicide in aqueous system and its antibacterial properties against <i>S. aureus</i> and <i>E. coli</i> . <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106714.	3.3	19
23	A novel antibacterial biocomposite based on magnetic peanut husk for the removal of trimethoprim in solution: Adsorption and mechanism study. <i>Journal of Cleaner Production</i> , 2021, 329, 129722.	4.6	18
24	A review on adsorbents for the remediation of wastewater: Antibacterial and adsorption study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106907.	3.3	25
25	A highly sensitive colorimetric aptasensor for the detection of the vascular endothelial growth factor in human serum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117622.	2.0	24
26	Waste peanut shell modified with polyethyleneimine for enhancement of hexavalent chromium removal from solution in batch and column modes. <i>Bioresource Technology Reports</i> , 2020, 12, 100576.	1.5	20
27	Iminodiacetic acid functionalized magnetic peanut husk for the removal of methylene blue from solution: characterization and equilibrium studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40316-40330.	2.7	29
28	Enhanced adsorption of copper ions by phosphoric acid-modified <i>Paeonia ostii</i> seed coats. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43906-43916.	2.7	9
29	Fabrication of zirconium (IV)-loaded chitosan/Fe <sub>3</sub> O <sub>4</sub> /graphene oxide for efficient removal of alizarin red from aqueous solution. <i>Carbohydrate Polymers</i> , 2020, 248, 116792.	5.1	56
30	Adsorption of phosphate from aqueous solution by lanthanum modified macroporous chelating resin. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 766-775.	1.2	22
31	Removal of methylene blue from aqueous medium by citrate modified bagasse: Kinetic, Equilibrium and Thermodynamic study. <i>Bioresource Technology Reports</i> , 2020, 11, 100463.	1.5	28
32	Uptake of micropollutant-bisphenol A, methylene blue and neutral red onto a novel bagasse- $\beta$ -cyclodextrin polymer by adsorption process. <i>Chemosphere</i> , 2020, 259, 127439.	4.2	99
33	Adsorption study of p-nitrophenol on a silver(I) triazolate MOF. <i>Journal of Porous Materials</i> , 2020, 27, 1409-1417.	1.3	17
34	Adsorption of hexavalent chromium using modified walnut shell from solution. <i>Water Science and Technology</i> , 2020, 81, 824-833.	1.2	24
35	Iron (III) and iminodiacetic acid functionalized magnetic peanut husk for the removal of phosphate from solution: Characterization, kinetic and equilibrium studies. <i>Journal of Cleaner Production</i> , 2020, 268, 122191.	4.6	54
36	<p>Simultaneous Detection of VEGF and CEA by Time-Resolved Chemiluminescence Enzyme-Linked Aptamer Assay</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9975-9985.	3.3	10

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37	Adsorption of copper ions from solution using xanthate wheat straw. <i>Water Science and Technology</i> , 2020, 82, 2029-2038.	1.2	6
38	Preparation of Novel Magnetic Microspheres with the La and Ce-Bimetal Oxide Shell for Excellent Adsorption of Fluoride and Phosphate from Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 3641-3651.	1.0	30
39	Adsorption of p-chlorophenol and p-nitrophenol in single and binary systems from solution using magnetic activated carbon. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 942-953.	1.2	11
40	Phosphate Adsorption from Solution by Zirconium-Loaded Carbon Nanotubes in Batch Mode. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 2849-2858.	1.0	64
41	Enhanced chemiluminescence enzyme-linked immunoassay for the determination of DNA methyltransferase 1 in human serum. <i>Luminescence</i> , 2019, 34, 368-374.	1.5	9
42	Selective and Efficient Removal of Anionic Dyes from Solution by Zirconium(IV) Hydroxide-Coated Magnetic Materials. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 791-799.	1.0	28
43	Adsorption of copper ion from solution by polyethylenimine modified wheat straw. <i>Bioresource Technology Reports</i> , 2019, 6, 96-102.	1.5	69
44	Phthalates in soft glass (a soft transparent PVC plastic sheet used extensively in household and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i> <i>Chemosphere</i> , 2018, 211, 861-866.	4.2	9
45	Adsorption of light green anionic dye using cationic surfactant-modified peanut husk in batch mode. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3595-S3602.	2.3	99
46	Use of polyethylenimine-modified wheat straw for adsorption of Congo red from solution in batch mode. <i>Desalination and Water Treatment</i> , 2016, 57, 8872-8883.	1.0	31
47	Adsorption potential of 2,4-dichlorophenol onto cationic surfactant-modified phoenix tree leaf in batch mode. <i>Desalination and Water Treatment</i> , 2016, 57, 6333-6346.	1.0	7
48	Adsorption property of methyl orange by chitosan coated on quartz sand in batch mode. <i>Desalination and Water Treatment</i> , 2015, 55, 1598-1608.	1.0	10
49	Effective adsorption of light green anionic dye from solution by CPB modified peanut in column mode. <i>Journal of Molecular Liquids</i> , 2015, 211, 909-914.	2.3	46
50	Phosphorus Removal from Continuous Phosphate-Contaminated Water by Electrocoagulation using Aluminum and Iron Plates Alternately as Electrodes. <i>Separation Science and Technology</i> , 2014, 49, 939-945.	1.3	16
51	Biosorption of methyl orange from aqueous solutions using cationic surfactant-modified wheat straw in batch mode. <i>Desalination and Water Treatment</i> , 2014, 52, 6145-6155.	1.0	57
52	Adsorption of methylene blue onto poly(cyclotriphosphazene-co-4,4- $\epsilon^2$ -sulfonyldiphenol) nanotubes: Kinetics, isotherm and thermodynamics analysis. <i>Journal of Hazardous Materials</i> , 2014, 273, 263-271.	6.5	148
53	Adsorption of Congo red from aqueous solutions using cationic surfactant modified wheat straw in batch mode: Kinetic and equilibrium study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2578-2583.	2.7	116
54	Adsorption of Congo red from solution using cationic surfactant modified wheat straw in column model. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 40-45.	3.3	61

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55	Biosorption of copper ion by natural and modified wheat straw in fixed-bed column. <i>Desalination and Water Treatment</i> , 2013, 51, 5735-5745.	1.0	14
56	Biosorption of methylene blue by natural and chemical modified wheat straw in fixed-bed column. <i>Desalination and Water Treatment</i> , 2013, 51, 4514-4523.	1.0	14
57	Adsorption of crystal violet from aqueous solution by chemically modified phoenix tree leaves in batch mode. <i>Desalination and Water Treatment</i> , 2013, , 1-11.	1.0	4
58	Investigations on the batch performance of cationic dyes adsorption by citric acid modified peanut husk. <i>Desalination and Water Treatment</i> , 2012, 49, 41-56.	1.0	15
59	Characterization of bio-char from pyrolysis of wheat straw and its evaluation on methylene blue adsorption. <i>Desalination and Water Treatment</i> , 2012, 46, 115-123.	1.0	155
60	Study of congo red adsorption onto chitosan coated magnetic iron oxide in batch mode. <i>Desalination and Water Treatment</i> , 2012, 37, 46-54.	1.0	42
61	Study of congo red adsorption onto chitosan coated magnetic iron oxide in batch mode. <i>Desalination and Water Treatment</i> , 2012, , 46-54.	1.0	1
62	Adsorption characteristics of uranyl ions by manganese oxide coated sand in batch mode. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 239-249.	0.7	16
63	Characterization and properties of zeolite as adsorbent for removal of uranium(VI) from solution in fixed bed column. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 779-788.	0.7	57
64	Adsorption characteristics of methylene blue by peanut husk in batch and column modes. <i>Desalination</i> , 2011, 265, 119-125.	4.0	239
65	Adsorption of congo red using ethylenediamine modified wheat straw. <i>Desalination and Water Treatment</i> , 2011, 30, 195-206.	1.0	40
66	Use of Manganese Oxide-Coated Sand for the Adsorption of Uranium(VI) Ions from Aqueous Solution Using a Column Mode. <i>Adsorption Science and Technology</i> , 2010, 28, 313-325.	1.5	5
67	Use of Oxalic Acid-Modified Rice Husk for the Adsorption of Neutral Red from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2010, 28, 641-656.	1.5	8
68	Malachite green adsorption onto natural zeolite and reuse by microwave irradiation. <i>Journal of Hazardous Materials</i> , 2010, 175, 1056-1061.	6.5	112
69	Characterization of modified wheat straw, kinetic and equilibrium study about copper ion and methylene blue adsorption in batch mode. <i>Carbohydrate Polymers</i> , 2010, 79, 1140-1149.	5.1	306
70	Adsorption of methylene blue and methyl orange from aqueous solution by iron oxide-coated zeolite in fixed bed column: predicted curves. <i>Desalination and Water Treatment</i> , 2010, 22, 258-264.	1.0	16
71	Study of malachite green adsorption onto natural zeolite in a fixed-bed column. <i>Desalination and Water Treatment</i> , 2010, 20, 228-233.	1.0	16
72	Study of equilibrium, kinetic and thermodynamic parameters about methylene blue adsorption onto natural zeolite. <i>Chemical Engineering Journal</i> , 2009, 145, 496-504.	6.6	379

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73	Adsorption of methylene blue by phoenix tree leaf powder in a fixed-bed column: experiments and prediction of breakthrough curves. <i>Desalination</i> , 2009, 245, 284-297.	4.0	417
74	Adsorption of Copper Ions and Methylene Blue in a Single and Binary System on Wheat Straw. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 3229-3234.	1.0	161
75	Characterization of Manganese Oxide and the Adsorption of Copper(II) and Lead(II) Ions from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2009, 27, 549-565.	1.5	12
76	Use of rice husk for the adsorption of congo red from aqueous solution in column mode. <i>Bioresource Technology</i> , 2008, 99, 2938-2946.	4.8	462
77	Kinetics and isotherms of Neutral Red adsorption on peanut husk. <i>Journal of Environmental Sciences</i> , 2008, 20, 1035-1041.	3.2	135
78	Removal of uranium(VI) from aqueous solutions by manganese oxide coated zeolite: discussion of adsorption isotherms and pH effect. <i>Journal of Environmental Radioactivity</i> , 2007, 93, 127-143.	0.9	263
79	Biosorption of methylene blue from aqueous solution by fallen phoenix tree's leaves. <i>Journal of Hazardous Materials</i> , 2007, 141, 156-162.	6.5	221
80	Biosorption of methylene blue from aqueous solution by rice husk in a fixed-bed column. <i>Journal of Hazardous Materials</i> , 2007, 141, 713-718.	6.5	156
81	Comparison of linear and nonlinear analysis in estimating the Thomas model parameters for methylene blue adsorption onto natural zeolite in fixed-bed column. <i>Journal of Hazardous Materials</i> , 2007, 145, 331-335.	6.5	194
82	Biosorption of copper(II) and lead(II) from aqueous solution by chaff in a fixed-bed column. <i>Journal of Hazardous Materials</i> , 2006, 133, 262-268.	6.5	166
83	Removal of copper(II) and lead(II) from aqueous solution by manganese oxide coated sand. <i>Journal of Hazardous Materials</i> , 2006, 137, 480-488.	6.5	101
84	Removal of copper(II) and lead(II) from aqueous solution by manganese oxide coated sand. <i>Journal of Hazardous Materials</i> , 2006, 137, 384-395.	6.5	253
85	Removal of methylene blue from aqueous solution by chaff in batch mode. <i>Journal of Hazardous Materials</i> , 2006, 137, 550-557.	6.5	206
86	Copper(II) and lead(II) removal from aqueous solution in fixed-bed columns by manganese oxide coated zeolite. <i>Journal of Hazardous Materials</i> , 2006, 137, 934-942.	6.5	196
87	Biosorption of copper and lead ions by waste beer yeast. <i>Journal of Hazardous Materials</i> , 2006, 137, 1569-1576.	6.5	218
88	Equilibrium biosorption isotherm for lead ion on chaff. <i>Journal of Hazardous Materials</i> , 2005, 125, 266-271.	6.5	171
89	Polyethyleneimine modified tiger nut residue for removal of Congo red from solution. , 0, 215, 209-221.		16
90	Adsorption of malachite green dye from solution by magnetic activated carbon in batch mode. , 0, 106, 273-284.		8

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91	Removal of methyl orange from aqueous solutions by polydopamine-mediated surface functionalization of Fe <sub>3</sub> O <sub>4</sub> in batch mode. , 0, 115, 271-280.		4
92	Adsorption of light green anionic dye from solution using polyethyleneimine-modified carbon nanotubes in batch mode. , 0, 138, 368-378.		7
93	Study of methylene blue adsorption from solution by magnetic graphene oxide composites. , 0, 147, 398-408.		3
94	Adsorption of methyl blue from solution by carboxylic multi-walled carbon nanotubes in batch mode. , 0, 159, 365-376.		5
95	Tiger nut residue as a renewable adsorbent for methylene blue removal from solution: adsorption kinetics, isotherm, and thermodynamic studies. , 0, 191, 426-437.		16
96	Application of magnetic peanut husk for methylene blue adsorption in batch mode. , 0, 194, 269-279.		15