Rongzhi Chen

List of Publications by Year
in descending order

65 papers	2,648 citations	201674 27 h-index	189892 50 g-index
67 all docs	67 docs citations	67 times ranked	2702 citing authors

#	Article	IF	Citations
1	Allelic diversity in an NLR gene BPH9 enables rice to combat planthopper variation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12850-12855.	7.1	196
2	Simultaneous reduction of nitrate and oxidation of by-products using electrochemical method. Journal of Hazardous Materials, 2009, 171, 724-730.	12.4	194
3	Attenuation of BPA degradation by SO4â˙ in a system of peroxymonosulfate coupled with Mn/Fe MOF-templated catalysts and its synergism with Clâ˙ and bicarbonate. Chemical Engineering Journal, 2019, 372, 605-615.	12.7	146
4	Arsenic (V) adsorption on Fe3O4 nanoparticle-coated boron nitride nanotubes. Journal of Colloid and Interface Science, 2011, 359, 261-268.	9.4	135
5	Investigations on the batch and fixed-bed column performance of fluoride adsorption by Kanuma mud. Desalination, 2011, 268, 76-82.	8.2	124
6	Fluoride removal from water by granular ceramic adsorption. Journal of Colloid and Interface Science, 2010, 348, 579-584.	9.4	120
7	Overlooked role of nitrogen dopant in carbon catalysts for peroxymonosulfate activation: Intrinsic defects or extrinsic defects?. Applied Catalysis B: Environmental, 2021, 295, 120291.	20.2	117
8	Selective removal of cesium ions from wastewater using copper hexacyanoferrate nanofilms in an electrochemical system. Electrochimica Acta, 2013, 87, 119-125.	5.2	114
9	An excellent fluoride sorption behavior of ceramic adsorbent. Journal of Hazardous Materials, 2010, 183, 460-465.	12.4	90
10	Synergistic Adsorption and Oxidation of Ciprofloxacin by Biochar Derived from Metal-Enriched Phytoremediation Plants: Experimental and Computational Insights. ACS Applied Materials & Interfaces, 2020, 12, 53788-53798.	8.0	89
11	Oxygen vacancies-enriched CoFe2O4 for peroxymonosulfate activation: The reactivity between radical-nonradical coupling way and bisphenol A. Journal of Hazardous Materials, 2021, 418, 126357.	12.4	81
12	Evaluation of potassium ferrate activated biochar for the simultaneous adsorption of copper and sulfadiazine: Competitive versus synergistic. Journal of Hazardous Materials, 2022, 424, 127435.	12.4	74
13	Oxygen doped graphitic carbon nitride with regulatable local electron density and band structure for improved photocatalytic degradation of bisphenol A. Chemical Engineering Journal, 2022, 435, 134835.	12.7	70
14	Optimization of process parameters for electrochemical nitrate removal using Boxâ€“Behnken design. Electrochimica Acta, 2010, 56, 265-270.	5.2	69
15	Heterogeneous activation of peroxymonosulfate for bisphenol A degradation using CoFe2O4 derived by hybrid cobalt-ion hexacyanoferrate nanoparticles. Chemical Engineering Journal, 2021, 404, 127052.	12.7	67
16	Thermodynamics and Mechanism Studies on Electrochemical Removal of Cesium Ions from Aqueous Solution Using a Nanoparticle Film of Copper Hexacyanoferrate. ACS Applied Materials & Interfaces, 2013, 5, 12984-12990.	8.0	61
17	Selective removal of cesium by ammonium molybdophosphate â€“ polyacrylonitrile bead and membrane. Journal of Hazardous Materials, 2017, 324, 753-761.	12.4	57
18	Preparation of a film of copper hexacyanoferrate nanoparticles for electrochemical removal of cesium from radioactive wastewater. Electrochemistry Communications, 2012, 25, 23-25.	4.7	54

#	Article	IF	Citations
19	Well-defined strategy for development of adsorbent using metal organic frameworks (MOF) template for high performance removal of hexavalent chromium. Applied Surface Science, 2018, 457, 1208-1217.	6.1	52
20	Local-interaction-field-coupled semiconductor photocatalysis: recent progress and future challenges. Journal of Materials Chemistry A, 2021, 9, 2491-2525.	10.3	48
21	A novel tablet porous material developed as adsorbent for phosphate removal and recycling. Journal of Colloid and Interface Science, 2013, 396, 197-204.	9.4	39
22	Application of simplex-centroid mixture design in developing and optimizing ceramic adsorbent for As(V) removal from water solution. Microporous and Mesoporous Materials, 2010, 131, 115-121.	4.4	37
23	Use low direct current electric field to augment nitrification and structural stability of aerobic granular sludge when treating low COD/NH4-N wastewater. Bioresource Technology, 2014, 171, 139-144.	9.6	37
24	How microcystinâ€degrading bacteria express microcystin degradation activity. Lakes and Reservoirs: Research and Management, 2011, 16, 169-178.	0.9	34
25	Modulation of carbon induced persulfate activation by nitrogen dopants: recent advances and perspectives. Journal of Materials Chemistry A, 2021, 9, 25796-25826.	10.3	34
26	Source apportionment of VOCs in a typical medium-sized city in North China Plain and implications on control policy. Journal of Environmental Sciences, 2021, 107, 26-37.	6.1	30
27	Solid-state synthesis of cobalt ferrite fitted with Î³-Fe2O3-containing nanocage for peroxymonosulfate activation and cobalt leaching control. Chemical Engineering Journal, 2021, 405, 126994.	12.7	29
28	Evaluation of N-doped carbon for the peroxymonosulfate activation and removal of organic contaminants from livestock wastewater and groundwater. Journal of Materials Chemistry A, 2022, 10, 9171-9183.	10.3	28
29	Application of an electrochemical-ion exchange reactor for ammonia removal. Electrochimica Acta, 2009, 55, 159-164.	5.2	27
30	Batch study of arsenate (V) adsorption using Akadama mud: Effect of water mineralization. Applied Surface Science, 2010, 256, 2961-2967.	6.1	27
31	Use of ferric-impregnated volcanic ash for arsenate (V) adsorption from contaminated water with various mineralization degrees. Journal of Colloid and Interface Science, 2011, 353, 542-548.	9.4	25
32	Preparation of iron-impregnated tablet ceramic adsorbent for arsenate removal from aqueous solutions. Desalination, 2012, 286, 56-62.	8.2	25
33	Hexavalent Chromium Removal from Water Using Heat-Acid Activated Red Mud. Open Journal of Applied Sciences, 2014, 04, 275-284.	0.4	23
34	The interaction laws of atmospheric heavy metal ions and water-soluble organic compounds in PM2.5 based on the excitation-emission matrix fluorescence spectroscopy. Journal of Hazardous Materials, 2021, 402, 123497.	12.4	22
35	Column study on electrochemical separation of cesium ions from wastewater using copper hexacyanoferrate film. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1491-1495.	1.5	21
36	Fluorescence characteristics of particulate water-soluble organic compounds emitted from coal-fired boilers. Atmospheric Environment, 2020, 223, 117297.	4.1	21

#	Article	IF	Citations
37	Electrochemical recovery of cobalt using nanoparticles film of copper hexacyanoferrates from aqueous solution. Journal of Hazardous Materials, 2020, 384, 121252.	12.4	18
38	Cesium adsorption ability and stability of metal hexacyanoferrates irradiated with gamma rays. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1543-1547.	1.5	15
39	Mutual-activation between Zero-Valent iron and graphitic carbon for Cr(VI) Removal: Mechanism and inhibition of inherent Side-reaction. Journal of Colloid and Interface Science, 2022, 608, 588-598.	9.4	15
40	Removal of Cd(II) from Micro-Polluted Water by Magnetic Core-Shell Fe3O4@Prussian Blue. Molecules, 2021, 26, 2497.	3.8	14
41	Spectroscopic insight into the pH-dependent interactions between atmospheric heavy metals (Cu and) Tj ETQq1 1 0.784314 rgBT /Over	8.0	14
42	Achieving stably enhanced biological phosphorus removal from aerobic granular sludge system via phosphorus rich liquid extraction during anaerobic period. Bioresource Technology, 2022, 346, 126439.	9.6	13
43	Development of long-life-cycle tablet ceramic adsorbent for geosmin removal from water solution. Applied Surface Science, 2011, 257, 2091-2096.	6.1	12
44	Removal of fluoride from aqueous solution by adsorption onto Kanuma mud. Water Science and Technology, 2010, 62, 1888-1897.	2.5	11
45	Battery-type column for caesium ions separation using electroactive film of copper hexacyanoferrate nanoparticles. Separation and Purification Technology, 2017, 173, 44-48.	7.9	11
46	Preparation, characterization and application in cobalt ion adsorption using nanoparticle films of hybrid copperâ€“nickel hexacyanoferrate. RSC Advances, 2019, 9, 7485-7494.	3.6	10
47	Effects of pH on light absorption properties of water-soluble organic compounds in particulate matter emitted from typical emission sources. Journal of Hazardous Materials, 2022, 424, 127688.	12.4	10
48	Synthesis of hybrid-metal hexacyanoferrates nanoparticle films and investigation of its hybrid vigor. Journal of Electroanalytical Chemistry, 2018, 810, 191-198.	3.8	9
49	Tuning of the Oxygen Species Linker on the Surface of Polymeric Carbon Nitride to Promote the Photocatalytic Hydrogen Evolution Performance. ChemSusChem, 2020, 13, 3605-3613.	6.8	9
50	pH-Responsive Fluorescence EEM to Titrate the Interaction between Fluorophores and Acid/Base Groups in Water-Soluble Organic Compounds of PM_{2.5}. Environmental Science and Technology Letters, 2021, 8, 108-113.	8.7	9
51	Impact of emissions controls on ambient carbonyls during the Asia-Pacific Economic Cooperation summit in Beijing, China. Environmental Science and Pollution Research, 2019, 26, 11875-11887.	5.3	8
52	Electrochemical recovery of low concentrated platinum (Pt) on nickel hexacyanoferrate nanoparticles film. Journal of the Taiwan Institute of Chemical Engineers, 2020, 111, 246-251.	5.3	8
53	Galvanic corrosion of zero-valent iron to intensify Fe2+ generation for peroxymonosulfate activation. Chemical Engineering Journal, 2021, 417, 128023.	12.7	8
54	Characterization and modification of porous ceramic sorbent for arsenate removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 414, 393-399.	4.7	7

#	Article	IF	Citations
55	Facilitating charge transfer via a giant magnetoresistance effect for high-efficiency photocatalytic hydrogen production. Chemical Communications, 2019, 55, 14478-14481.	4.1	7
56	Construction of a nanocavity structure with a carrier-selective layer for enhancement of photocatalytic hydrogen production performance. Sustainable Energy and Fuels, 2020, 4, 2164-2173.	4.9	6
57	Lead Ions Sorption from Waste Solution Using Aluminum Hydroxide Modified Diatomite. Journal of Environmental Protection, 2014, 05, 509-516.	0.7	6
58	Chemical characteristics of atmospheric carbonyls over the South China Sea: Influence of continental outflow. Atmospheric Environment, 2019, 208, 141-149.	4.1	4
59	pH-dependent spectra of particulate water-soluble organic carbon (WSOC) from typical emission sources using EEM-PARAFAC and 2D-COS. Atmospheric Environment, 2022, 287, 119262.	4.1	2
60	Development of a ceramic adsorbent for the removal of 2-methylisoborneol from aqueous solution. Desalination, 2011, 281, 293-297.	8.2	1
61	Removal of Cesium from Aqueous Solutions by Copper Hexacyanoferrate Membrane Coated Electrodes in a Electrochemical Adsorption System. Procedia Engineering, 2012, 44, 1728-1730.	1.2	1
62	Rapid Thermal Processing of Microporous Silica Membranes. , 2017, , 317-348.		1
63	Tuning of the Oxygen Species Linker on the Surface of Polymeric Carbon Nitride to Promote the Photocatalytic Hydrogen Evolution Performance. ChemSusChem, 2020, 13, 3543-3543.	6.8	1
64	Electrochemical Degradation of Chlorsulfuron Herbicide from Water Solution Using Ti/IrO₂-Pt Anode. Open Journal of Applied Sciences, 2012, 02, 78-85.	0.4	1
65	Electrochemical Cesium Recovery Using Nanoparticle Film of Copper Hexacyanoferrate. ECS Meeting Abstracts, 2012, , .	0.0	0