Xuemei Ren

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6892649/publications.pdf

Version: 2024-02-01

51	4,642	201385	182168
papers	citations	27 h-index	51 g-index

52	52	52	5472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insight into UV-induced simultaneous photocatalytic degradation of Ti3C2Tx MXene and reduction of U(VI). Journal of Hazardous Materials, 2022, 430, 128377.	6.5	13
2	A comprehensive review on emerging natural and tailored materials for chromium-contaminated water treatment and environmental remediation. Journal of Environmental Chemical Engineering, 2022, 10, 107325.	3.3	26
3	Transformation details of poly(acrylonitrile) to poly(amidoxime) during the amidoximation process. RSC Advances, 2021, 11, 1909-1915.	1.7	17
4	Colloidal properties and stability of UV-transformed graphene oxide in aqueous solutions: The role of disorder degree. Journal of Hazardous Materials, 2020, 382, 121097.	6.5	22
5	Three dimensional flower-like magnetic polyethyleneimine@MoS2 composites for highly efficient removal of Cr(VI) and Pb(II) ions. Journal of Colloid and Interface Science, 2020, 580, 550-560.	5.0	40
6	Highly selective enrichment of radioactive cesium from solution by using zinc hexacyanoferrate(III)-functionalized magnetic bentonite. Journal of Colloid and Interface Science, 2020, 580, 171-179.	5.0	27
7	Colloidal Behaviors of Two-Dimensional Titanium Carbide in Natural Surface Waters: The Role of Solution Chemistry. Environmental Science & Technology, 2020, 54, 3353-3362.	4.6	17
8	Solvent-free engineering of Fe0/Fe3C nanoparticles encased in nitrogen-doped carbon nanoshell materials for highly efficient removal of uranyl ions from acidic solution. Journal of Colloid and Interface Science, 2020, 575, 16-23.	5.0	21
9	Corrigendum to: Effect of humic acid, fulvic acid, pH, ionic strength and temperature on ⁶³Ni(II) sorption to MnO₂. Radiochimica Acta, 2020, 108, 591-591.	0.5	0
10	Efficient removal of Cd(II) by core-shell Fe3O4@polydopamine microspheres from aqueous solution. Journal of Molecular Liquids, 2019, 295, 111724.	2.3	26
11	Environmental fate and risk of ultraviolet- and visible-light-transformed graphene oxide: A comparative study. Environmental Pollution, 2019, 251, 821-829.	3.7	27
12	Highly Cation Permselective Metalâ€“Organic Framework Membranes with Leafâ€Like Morphology. ChemSusChem, 2019, 12, 2593-2597.	3.6	61
13	Coupling g-C3N4 nanosheets with metal-organic frameworks as 2D/3D composite for the synergetic removal of uranyl ions from aqueous solution. Journal of Colloid and Interface Science, 2019, 550, 117-127.	5.0	84
14	Poly(amidoxime) functionalized MoS2 for efficient adsorption of uranium(VI) in aqueous solutions. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 379-386.	0.7	16
15	Graphene analogues in aquatic environments and porous media: dispersion, aggregation, deposition and transformation. Environmental Science: Nano, 2018, 5, 1298-1340.	2.2	68
16	Nanocomposites of polyaniline functionalized graphene oxide: synthesis and application as a novel platform for removal of Cd(II), Eu(III), Th(IV) and U(VI) in water. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 509-522.	0.7	13
17	Influence of pH, soil humic acid, ionic strength and temperature on sorption of U(VI) onto attapulgite. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 981-991.	0.7	13
18	Adsorption and co-adsorption of graphene oxide and Ni(II) on iron oxides: A spectroscopic and microscopic investigation. Environmental Pollution, 2018, 233, 125-131.	3.7	79

#	Article	IF	Citations
19	Graphene oxide interactions with co-existing heavy metal cations: adsorption, colloidal properties and joint toxicity. Environmental Science: Nano, 2018, 5, 362-371.	2.2	54
20	Exploring the Aggregation Mechanism of Graphene Oxide in the Presence of Radioactive Elements: Experimental and Theoretical Studies. Environmental Science & Technology, 2018, 52, 12208-12215.	4.6	49
21	Polyamidoxime functionalized with phosphate groups by plasma technique for effective U(VI) adsorption. Journal of Industrial and Engineering Chemistry, 2018, 67, 380-387.	2.9	27
22	The influence of dissolved Si on Ni precipitate formation at the kaolinite water interface: Kinetics, DRS and EXAFS analysis. Chemosphere, 2017, 173, 135-142.	4.2	21
23	Insights into key factors controlling GO stability in natural surface waters. Journal of Hazardous Materials, 2017, 335, 56-65.	6.5	64
24	Kinetic and thermodynamic studies on the interaction of europium(III) and phosphate with Î³-Al2O3. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 395-408.	0.7	3
25	Impact of graphene oxide on the antibacterial activity of antibiotics against bacteria. Environmental Science: Nano, 2017, 4, 1016-1024.	2.2	84
26	Macroscopic and spectroscopic insights into the mutual interaction of graphene oxide, Cu(II), and Mg/Al layered double hydroxides. Chemical Engineering Journal, 2017, 313, 527-534.	6.6	51
27	A carboxymethyl cellulose modified magnetic bentonite composite for efficient enrichment of radionuclides. RSC Advances, 2016, 6, 65136-65145.	1.7	12
28	Characterization of Fe(III)-saturated montmorillonite and evaluation its sorption behavior for U(VI). Radiochimica Acta, 2016, 104, 481-490.	0.5	12
29	Macroscopic and microscopic insight into the mutual effects of europium(iii) and phosphate on their interaction with graphene oxide. RSC Advances, 2016, 6, 85046-85057.	1.7	10
30	New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. Environmental Science & Technology, 2016, 50, 9361-9369.	4.6	85
31	X-ray absorption fine structure study of enhanced sequestration of U(<scp>vi</scp>) and Se(<scp>iv</scp>) by montmorillonite decorated with zero-valent iron nanoparticles. Environmental Science: Nano, 2016, 3, 1460-1472.	2.2	85
32	Controlled synthesized natroalunite microtubes applied for cadmium(II) and phosphate coâ€“removal. Journal of Hazardous Materials, 2016, 314, 249-259.	6.5	26
33	Immobilization of uranium by biomaterial stabilized FeS nanoparticles: Effects of stabilizer and enrichment mechanism. Journal of Hazardous Materials, 2016, 302, 1-9.	6.5	79
34	Design of Chitosan-Grafted Carbon Nanotubes: Evaluation of How the â€“OH Functional Group Affects Cs+ Adsorption. Marine Drugs, 2015, 13, 3116-3131.	2.2	32
35	Co-sequestration of Zn(II) and phosphate by Î³-Al2O3: From macroscopic to microscopic investigation. Journal of Hazardous Materials, 2015, 297, 134-145.	6.5	22
36	Facile Synthesis and Characterization of Chrysotile Nanotubes and Their Application for Lead(II) Removal from Aqueous Solution. Separation Science and Technology, 2015, 50, 700-709.	1.3	5

#	Article	IF	Citations
37	Sequestration and speciation of Eu(<scp>iii</scp>) on gamma alumina: role of temperature and contact order. Environmental Sciences: Processes and Impacts, 2015, 17, 1904-1914.	1.7	14
38	Reductive immobilization of uranium by PAAMâ€“FeS/Fe₃O₄ magnetic composites. Environmental Science: Water Research and Technology, 2015, 1, 169-176.	1.2	36
39	Impact of Al₂O₃ on the Aggregation and Deposition of Graphene Oxide. Environmental Science & Technology, 2014, 48, 5493-5500.	4.6	144
40	Theoretical investigation of uranyl ion adsorption on hydroxylated Î³-Al2O3 surfaces. RSC Advances, 2013, 3, 19551.	1.7	37
41	Comparative study of graphene oxide, activated carbon and carbon nanotubes as adsorbents for copper decontamination. Dalton Transactions, 2013, 42, 5266.	1.6	188
42	Highly active MnO2 nanosheet synthesis from graphene oxide templates and their application in efficient oxidative degradation of methylene blue. RSC Advances, 2013, 3, 12909.	1.7	89
43	Retention of Pb(II) by a Low-Cost Magnetic Composite Prepared by Environmentally-Friendly Plasma Technique. Separation Science and Technology, 2013, 48, 1211-1219.	1.3	14
44	Efficient removal of arsenate by versatile magnetic graphene oxide composites. RSC Advances, 2012, 2, 12400.	1.7	169
45	Mutual effects of copper and phosphate on their interaction with Î³-Al2O3: Combined batch macroscopic experiments with DFT calculations. Journal of Hazardous Materials, 2012, 237-238, 199-208.	6.5	53
46	Investigation of radionuclide 60Co(II) binding to TiO2 by batch technique, surface complexation model and DFT calculations. Science China Chemistry, 2012, 55, 1752-1759.	4.2	17
47	Graphene oxide-iron oxide and reduced graphene oxide-iron oxide hybrid materials for the removal of organic and inorganic pollutants. RSC Advances, 2012, 2, 8821.	1.7	300
48	Removal of Pb(ii) ions from aqueous solutions on few-layered graphene oxide nanosheets. Dalton Transactions, 2011, 40, 10945.	1.6	488
49	Few-Layered Graphene Oxide Nanosheets As Superior Sorbents for Heavy Metal Ion Pollution Management. Environmental Science & Technology, 2011, 45, 10454-10462.	4.6	1,594
50	Plasma Induced Multiwalled Carbon Nanotube Grafted with 2â€Vinylpyridine for Preconcentration of Pb(II) from Aqueous Solutions. Plasma Processes and Polymers, 2011, 8, 589-598.	1.6	41
51	Polyaniline Multiwalled Carbon Nanotube Magnetic Composite Prepared by Plasma-Induced Graft Technique and Its Application for Removal of Aniline and Phenol. Journal of Physical Chemistry C, 2010, 114, 21524-21530.	1.5	161