# Xuemei Ren

List of Publications by Year
in descending order

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

Version: 2024-02-01

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|---|---|---|---|
| 51 papers | 4,642 citations | 201674 27 h-index | 182427 51 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 5472 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. | 12.4 | 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. | 6.7 | 26 |
| 3 | Transformation details of poly(acrylonitrile) to poly(amidoxime) during the amidoximation process. RSC Advances, 2021, 11, 1909-1915. | 3.6 | 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. | 12.4 | 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. | 9.4 | 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. | 9.4 | 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. | 10.0 | 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. | 9.4 | 21 |
| 9 | Corrigendum to: Effect of humic acid, fulvic acid, pH, ionic strength and temperature on <sup>63</sup>Ni(II) sorption to MnO<sub>2</sub>. Radiochimica Acta, 2020, 108, 591-591. | 1.2 | 0 |
| 10 | Efficient removal of Cd(II) by core-shell Fe3O4@polydopamine microspheres from aqueous solution. Journal of Molecular Liquids, 2019, 295, 111724. | 4.9 | 26 |
| 11 | Environmental fate and risk of ultraviolet- and visible-light-transformed graphene oxide: A comparative study. Environmental Pollution, 2019, 251, 821-829. | 7.5 | 27 |
| 12 | Highly Cation Permselective Metalâ€“Organic Framework Membranes with Leafâ€Like Morphology. ChemSusChem, 2019, 12, 2593-2597. | 6.8 | 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. | 9.4 | 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. | 1.5 | 16 |
| 15 | Graphene analogues in aquatic environments and porous media: dispersion, aggregation, deposition and transformation. Environmental Science: Nano, 2018, 5, 1298-1340. | 4.3 | 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. | 1.5 | 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. | 1.5 | 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. | 7.5 | 79 |

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|---|---|---|---|
| 19 | Graphene oxide interactions with co-existing heavy metal cations: adsorption, colloidal properties and joint toxicity. Environmental Science: Nano, 2018, 5, 362-371. | 4.3 | 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. | 10.0 | 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. | 5.8 | 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. | 8.2 | 21 |
| 23 | Insights into key factors controlling GO stability in natural surface waters. Journal of Hazardous Materials, 2017, 335, 56-65. | 12.4 | 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. | 1.5 | 3 |
| 25 | Impact of graphene oxide on the antibacterial activity of antibiotics against bacteria. Environmental Science: Nano, 2017, 4, 1016-1024. | 4.3 | 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. | 12.7 | 51 |
| 27 | A carboxymethyl cellulose modified magnetic bentonite composite for efficient enrichment of radionuclides. RSC Advances, 2016, 6, 65136-65145. | 3.6 | 12 |
| 28 | Characterization of Fe(III)-saturated montmorillonite and evaluation its sorption behavior for U(VI). Radiochimica Acta, 2016, 104, 481-490. | 1.2 | 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. | 3.6 | 10 |
| 30 | New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. Environmental Science & Technology, 2016, 50, 9361-9369. | 10.0 | 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. | 4.3 | 85 |
| 32 | Controlled synthesized natroalunite microtubes applied for cadmium(II) and phosphate coâ€“removal. Journal of Hazardous Materials, 2016, 314, 249-259. | 12.4 | 26 |
| 33 | Immobilization of uranium by biomaterial stabilized FeS nanoparticles: Effects of stabilizer and enrichment mechanism. Journal of Hazardous Materials, 2016, 302, 1-9. | 12.4 | 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. | 4.6 | 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. | 12.4 | 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. | 2.5 | 5 |

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|---|---|---|---|
| 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. | 3.5 | 14 |
| 38 | Reductive immobilization of uranium by PAAMâ€“FeS/Fe<sub>3</sub>O<sub>4</sub> magnetic composites. Environmental Science: Water Research and Technology, 2015, 1, 169-176. | 2.4 | 36 |
| 39 | Impact of Al<sub>2</sub>O<sub>3</sub> on the Aggregation and Deposition of Graphene Oxide. Environmental Science & Technology, 2014, 48, 5493-5500. | 10.0 | 144 |
| 40 | Theoretical investigation of uranyl ion adsorption on hydroxylated Î³-Al2O3 surfaces. RSC Advances, 2013, 3, 19551. | 3.6 | 37 |
| 41 | Comparative study of graphene oxide, activated carbon and carbon nanotubes as adsorbents for copper decontamination. Dalton Transactions, 2013, 42, 5266. | 3.3 | 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. | 3.6 | 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. | 2.5 | 14 |
| 44 | Efficient removal of arsenate by versatile magnetic graphene oxide composites. RSC Advances, 2012, 2, 12400. | 3.6 | 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. | 12.4 | 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. | 8.2 | 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. | 3.6 | 300 |
| 48 | Removal of Pb(ii) ions from aqueous solutions on few-layered graphene oxide nanosheets. Dalton Transactions, 2011, 40, 10945. | 3.3 | 488 |
| 49 | Few-Layered Graphene Oxide Nanosheets As Superior Sorbents for Heavy Metal Ion Pollution Management. Environmental Science & Technology, 2011, 45, 10454-10462. | 10.0 | 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. | 3.0 | 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. | 3.1 | 161 |