

Jan KolaÅÃ-k

List of Publications by Year in descending order

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papers

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840776

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1088
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#	ARTICLE	IF	CITATIONS
1	Ferrate(VI)-Induced Arsenite and Arsenate Removal by In Situ Structural Incorporation into Magnetic Iron(III) Oxide Nanoparticles. <i>Environmental Science & Technology</i> , 2013, 47, 3283-3292.	10.0	185
2	Ferrate(VI)-Prompted Removal of Metals in Aqueous Media: Mechanistic Delineation of Enhanced Efficiency via Metal Entrenchment in Magnetic Oxides. <i>Environmental Science & Technology</i> , 2015, 49, 2319-2327.	10.0	118
3	Zero-Valent Iron Nanoparticles Reduce Arsenites and Arsenates to As(0) Firmly Embedded in Core-Shell Superstructure: Challenging Strategy of Arsenic Treatment under Anoxic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3027-3038.	6.7	84
4	Chronic dietary toxicity of zinc oxide nanoparticles in common carp (<i>Cyprinus carpio</i> L.): Tissue accumulation and physiological responses. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 110-116.	6.0	83
5	Remarkable efficiency of phosphate removal: Ferrate(VI)-induced in situ sorption on core-shell nanoparticles. <i>Water Research</i> , 2016, 103, 83-91.	11.3	82
6	Remarkable efficiency of ultrafine superparamagnetic iron(III) oxide nanoparticles toward arsenate removal from aqueous environment. <i>Chemosphere</i> , 2013, 93, 2690-2697.	8.2	63
7	Impact of inorganic ions and natural organic matter on arsenates removal by ferrate(VI): Understanding a complex effect of phosphates ions. <i>Water Research</i> , 2018, 141, 357-365.	11.3	42
8	Sulfidated nano-scale zerovalent iron is able to effectively reduce in situ hexavalent chromium in a contaminated aquifer. <i>Journal of Hazardous Materials</i> , 2021, 405, 124665.	12.4	42
9	Nanoarchitecture of advanced core-shell zero-valent iron particles with controlled reactivity for contaminant removal. <i>Chemical Engineering Journal</i> , 2018, 354, 335-345.	12.7	30
10	Silver Covalently Bound to Cyanographene Overcomes Bacterial Resistance to Silver Nanoparticles and Antibiotics. <i>Advanced Science</i> , 2021, 8, 2003090.	11.2	27
11	Carboxylated Graphene for Radical-Assisted Ultra-Trace-Level Water Treatment and Noble Metal Recovery. <i>ACS Nano</i> , 2021, 15, 3349-3358.	14.6	25
12	Culture medium mediated aggregation and re-crystallization of silver nanoparticles reduce their toxicity. <i>Applied Materials Today</i> , 2018, 12, 198-206.	4.3	10
13	Graphene Nanobeacons with High Affinity Pockets for Combined, Selective, and Effective Decontamination and Reagentless Detection of Heavy Metals. <i>Small</i> , 2022, 18, .	10.0	6
14	Nanoscale Zerovalent Iron Particles for Treatment of Metalloids. , 2019, , 157-199.		5
15	Ferrates as Powerful Oxidants in Water Treatment Technologies. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 177-201.	0.5	2