Jan KolaÅÃ-k

List of Publications by Year
in descending order

Version: 2024-02-01

15	804	840776 11	1058476 14
papers	citations	h-index	g-index

15	15	15	1088
all docs	docs citations	times ranked	citing authors

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