

Hye-Jin Kim

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

2,001
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic Strength and Composition Affect the Mobility of Surface-Modified Fe ⁰ Nanoparticles in Water-Saturated Sand Columns. <i>Environmental Science & Technology</i> , 2008, 42, 3349-3355.	10.0	478
2	Stabilization of aqueous nanoscale zerovalent iron dispersions by anionic polyelectrolytes: adsorbed anionic polyelectrolyte layer properties and their effect on aggregation and sedimentation. <i>Journal of Nanoparticle Research</i> , 2008, 10, 795-814.	1.9	467
3	Particle Size Distribution, Concentration, and Magnetic Attraction Affect Transport of Polymer-Modified Fe ⁰ Nanoparticles in Sand Columns. <i>Environmental Science & Technology</i> , 2009, 43, 5079-5085.	10.0	292
4	Effect of kaolinite, silica fines and pH on transport of polymer-modified zero valent iron nano-particles in heterogeneous porous media. <i>Journal of Colloid and Interface Science</i> , 2012, 370, 1-10.	9.4	181
5	Fe ⁰ Nanoparticles Remain Mobile in Porous Media after Aging Due to Slow Desorption of Polymeric Surface Modifiers. <i>Environmental Science & Technology</i> , 2009, 43, 3824-3830.	10.0	148
6	Transport and Deposition of Polymer-Modified Fe ⁰ Nanoparticles in 2-D Heterogeneous Porous Media: Effects of Particle Concentration, Fe ⁰ Content, and Coatings. <i>Environmental Science & Technology</i> , 2010, 44, 9086-9093.	10.0	142
7	Effect of Adsorbed Polyelectrolytes on Nanoscale Zero Valent Iron Particle Attachment to Soil Surface Models. <i>Environmental Science & Technology</i> , 2009, 43, 3803-3808.	10.0	123
8	Empirical correlations to estimate agglomerate size and deposition during injection of a polyelectrolyte-modified FeO nanoparticle at high particle concentration in saturated sand. <i>Journal of Contaminant Hydrology</i> , 2010, 118, 152-164.	3.3	98
9	Stability of carboxyl-functionalized carbon black nanoparticles: the role of solution chemistry and humic acid. <i>Environmental Science: Nano</i> , 2017, 4, 800-810.	4.3	42
10	Effect of emplaced nZVI mass and groundwater velocity on PCE dechlorination and hydrogen evolution in water-saturated sand. <i>Journal of Hazardous Materials</i> , 2017, 322, 136-144.	12.4	30