Cheolyong Kim

List of Publications by Year
in descending order

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Version: 2024-02-01

20 papers	618 citations	933264 10 h-index	794469 19 g-index
20 all docs	20 docs citations	20 times ranked	757 citing authors

#	Article	IF	Citations
1	Enhanced heterogeneous activation of peroxymonosulfate by Ruddlesden-Popper-type La2CoO4+Î´ nanoparticles for bisphenol A degradation. Chemical Engineering Journal, 2022, 429, 131447.	6.6	24
2	Activation of persulfate by humic substances: Stoichiometry and changes in the optical properties of the humic substances. Water Research, 2022, 212, 118107.	5.3	10
3	Large-scale synthesis of iron oxide/graphene hybrid materials as highly efficient photo-Fenton catalyst for water remediation. Environmental Technology and Innovation, 2021, 21, 101239.	3.0	29
4	Field-scale investigation of nanoscale zero-valent iron (NZVI) injection parameters for enhanced delivery of NZVI particles to groundwater. Water Research, 2021, 202, 117402.	5.3	29
5	Mechanisms of electro-assisted persulfate/nano-Fe0 oxidation process: Roles of redox mediation by dissolved Fe. Journal of Hazardous Materials, 2020, 388, 121739.	6.5	33
6	Electrochemical degradation of ibuprofen using an activated-carbon-based continuous-flow three-dimensional electrode reactor (3DER). Chemosphere, 2020, 259, 127382.	4.2	52
7	Effects of the formation of reactive chlorine species on oxidation process using persulfate and nano zero-valent iron. Chemosphere, 2020, 250, 126266.	4.2	19
8	Carbonation/granulation of mine tailings using a MgO/ground-granule blast-furnace-slag binder. Journal of Hazardous Materials, 2019, 378, 120760.	6.5	9
9	Activation of Persulfate by Nanosized Zero-Valent Iron (NZVI): Mechanisms and Transformation Products of NZVI. Environmental Science & Technology, 2018, 52, 3625-3633.	4.6	276
10	Reciprocal influences of dissolved organic matter and nanosized zero-valent iron in aqueous media. Chemosphere, 2018, 193, 936-942.	4.2	16
11	Investigation of the accelerated carbonation of a MgO-based binder used to treat contaminated sediment. Environmental Earth Sciences, 2017, 76, 1.	1.3	8
12	Application of Nanosized Zero-valent Iron-Activated Persulfate for Treating Groundwater Contaminated with Phenol. Journal of Soil and Groundwater Environment, 2017, 22, 41-48.	0.1	2
13	Electrochemical Oxidation of Phenol using Persulfate and Nanosized Zero-valent Iron. Journal of Soil and Groundwater Environment, 2017, 22, 17-25.	0.1	1
14	Effects of oxidants on in situ treatment of a DNAPL source by nanoscale zero-valent iron: A field study. Water Research, 2016, 107, 57-65.	5.3	28
15	Enhancement of the Strength of MgO-Based Binder by Accelerated Carbonation. Journal of Soil and Groundwater Environment, 2016, 21, 135-145.	0.1	1
16	Effects of groundwater solutes on colloidal stability of polymer-coated and bare nanosized zero-valent iron particles. Desalination and Water Treatment, 2015, 54, 1281-1289.	1.0	8
17	Development of an MgO-based binder for stabilizing fine sediments and storing CO2. Environmental Geochemistry and Health, 2015, 37, 1063-1072.	1.8	8
18	Effect of anions and humic acid on the performance of nanoscale zero-valent iron particles coated with polyacrylic acid. Chemosphere, 2014, 113, 93-100.	4.2	63

#	Article	IF	Citations
19	Field Study on Application of Reactive Zone Technology Using Zero-Valent Iron Nanoparticles for Remediation of TCE-Contaminated Groundwater. Journal of Soil and Groundwater Environment, 2014, 19, 80-90.	0.1	0
20	Characterization of the Transport of Zero-Valent Iron Nanoparticles in an Aquifer for Application of Reactive Zone Technology. Journal of Soil and Groundwater Environment, 2013, 18, 109-118.	0.1	2