

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	Activation of Persulfate by Nanosized Zero-Valent Iron (NZVI): Mechanisms and Transformation Products of NZVI. <i>Environmental Science & Technology</i> , 2018, 52, 3625-3633.	4.6	276
2	Effect of anions and humic acid on the performance of nanoscale zero-valent iron particles coated with polyacrylic acid. <i>Chemosphere</i> , 2014, 113, 93-100.	4.2	63
3	Electrochemical degradation of ibuprofen using an activated-carbon-based continuous-flow three-dimensional electrode reactor (3DER). <i>Chemosphere</i> , 2020, 259, 127382.	4.2	52
4	Mechanisms of electro-assisted persulfate/nano-FeO oxidation process: Roles of redox mediation by dissolved Fe. <i>Journal of Hazardous Materials</i> , 2020, 388, 121739.	6.5	33
5	Large-scale synthesis of iron oxide/graphene hybrid materials as highly efficient photo-Fenton catalyst for water remediation. <i>Environmental Technology and Innovation</i> , 2021, 21, 101239.	3.0	29
6	Field-scale investigation of nanoscale zero-valent iron (NZVI) injection parameters for enhanced delivery of NZVI particles to groundwater. <i>Water Research</i> , 2021, 202, 117402.	5.3	29
7	Effects of oxidants on in situ treatment of a DNAPL source by nanoscale zero-valent iron: A field study. <i>Water Research</i> , 2016, 107, 57-65.	5.3	28
8	Enhanced heterogeneous activation of peroxymonosulfate by Ruddlesden-Popper-type La_2CoO_4 nanoparticles for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2022, 429, 131447.	6.6	24
9	Effects of the formation of reactive chlorine species on oxidation process using persulfate and nano zero-valent iron. <i>Chemosphere</i> , 2020, 250, 126266.	4.2	19
10	Reciprocal influences of dissolved organic matter and nanosized zero-valent iron in aqueous media. <i>Chemosphere</i> , 2018, 193, 936-942.	4.2	16
11	Activation of persulfate by humic substances: Stoichiometry and changes in the optical properties of the humic substances. <i>Water Research</i> , 2022, 212, 118107.	5.3	10
12	Carbonation/granulation of mine tailings using a MgO/ground-granule blast-furnace-slag binder. <i>Journal of Hazardous Materials</i> , 2019, 378, 120760.	6.5	9
13	Effects of groundwater solutes on colloidal stability of polymer-coated and bare nanosized zero-valent iron particles. <i>Desalination and Water Treatment</i> , 2015, 54, 1281-1289.	1.0	8
14	Development of an MgO-based binder for stabilizing fine sediments and storing CO ₂ . <i>Environmental Geochemistry and Health</i> , 2015, 37, 1063-1072.	1.8	8
15	Investigation of the accelerated carbonation of a MgO-based binder used to treat contaminated sediment. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	8
16	Characterization of the Transport of Zero-Valent Iron Nanoparticles in an Aquifer for Application of Reactive Zone Technology. <i>Journal of Soil and Groundwater Environment</i> , 2013, 18, 109-118.	0.1	2
17	Application of Nanosized Zero-valent Iron-Activated Persulfate for Treating Groundwater Contaminated with Phenol. <i>Journal of Soil and Groundwater Environment</i> , 2017, 22, 41-48.	0.1	2
18	Electrochemical Oxidation of Phenol using Persulfate and Nanosized Zero-valent Iron. <i>Journal of Soil and Groundwater Environment</i> , 2017, 22, 17-25.	0.1	1

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19	Enhancement of the Strength of MgO-Based Binder by Accelerated Carbonation. Journal of Soil and Groundwater Environment, 2016, 21, 135-145.	0.1	1
20	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