

Neil R Thomson

List of Publications by Year in descending order

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33
papers

617
citations

567281
15
h-index

610901
24
g-index

33
all docs

33
docs citations

33
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of Organic Compounds by Activated Persulfate Using Nanoscale Zerovalent Iron. Industrial & Engineering Chemistry Research, 2013, 52, 13564-13571.	3.7	162
2	Reducing the computational cost of automatic calibration through model preemption. Water Resources Research, 2010, 46, .	4.2	38
3	Carbon isotope fractionation of 1,1,1-trichloroethane during base-catalyzed persulfate treatment. Journal of Hazardous Materials, 2013, 260, 61-66.	12.4	30
4	Permanganate Treatment of an Emplaced DNAPL Source. Ground Water Monitoring and Remediation, 2007, 27, 74-85.	0.8	29
5	Persulfate injection into a gasoline source zone. Journal of Contaminant Hydrology, 2013, 150, 35-44.	3.3	28
6	Estimation of the Maximum Consumption of Permanganate by Aquifer Solids Using a Modified Chemical Oxygen Demand Test. Journal of Environmental Engineering, ASCE, 2008, 134, 353-361.	1.4	27
7	Persulfate Treatment of Dissolved Gasoline Compounds. Journal of Hazardous, Toxic, and Radioactive Waste, 2013, 17, 9-15.	2.0	26
8	Field Trials of Chaotic Advection to Enhance Reagent Delivery. Ground Water Monitoring and Remediation, 2019, 39, 23-39.	0.8	22
9	Quantitative global sensitivity analysis of the RZWQM to warrant a robust and effective calibration. Journal of Hydrology, 2014, 511, 567-579.	5.4	21
10	Natural Persulfate Activation for Anthracene Remediation in Tropical Environments. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	21
11	Infiltration of Sulfate to Enhance Sulfate-Reducing Biodegradation of Petroleum Hydrocarbons. Ground Water Monitoring and Remediation, 2018, 38, 73-87.	0.8	21
12	Sensing Coated Iron-Oxide Nanoparticles with Spectral Induced Polarization (SIP): Experiments in Natural Sand Packed Flow-Through Columns. Environmental Science & Technology, 2018, 52, 14256-14265.	10.0	19
13	Hydrogen Peroxide Persistence in the Presence of Aquifer Materials. Soil and Sediment Contamination, 2010, 19, 602-616.	1.9	17
14	Integrated Plume Treatment Using Persulfate Coupled with Microbial Sulfate Reduction. Ground Water Monitoring and Remediation, 2018, 38, 45-61.	0.8	17
15	Targeted nanoparticle binding & detection in petroleum hydrocarbon impacted porous media. Chemosphere, 2019, 215, 353-361.	8.2	16
16	Environmental Applications of Nanotechnology: Nano-enabled Remediation Processes in Water, Soil and Air Treatment. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	14
17	Persulfate Interaction with Tropical Soils. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	13
18	Treatment of a Trichloroethylene Source Zone using Persulfate Activated by an Emplaced Nano-Pd@FeO Zone. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Carbon and Hydrogen Isotope Fractionation of Benzene, Toluene, and <i>p</i> -Xylene during Chemical Oxidation by Persulfate. Ground Water Monitoring and Remediation, 2018, 38, 62-72.	0.8	10
20	Surfactant Foam Selection for Enhanced Light Non-Aqueous Phase Liquids (LNAPL) Recovery in Contaminated Aquifers. Transport in Porous Media, 2020, 131, 65-84.	2.6	10
21	Factors affecting pluronic-coated iron oxide nanoparticle binding to petroleum hydrocarbon-impacted sediments. Chemosphere, 2020, 254, 126732.	8.2	10
22	Influence of Pluronic coating formulation on iron oxide nanoparticle transport in natural and oil-impacted sandy aquifer media. Canadian Journal of Chemical Engineering, 2020, 98, 642-649.	1.7	9
23	The role of intra-NAPL diffusion on mass transfer from MGP residuals. Journal of Contaminant Hydrology, 2018, 213, 49-61.	3.3	7
24	Realistic expectations for the treatment of FMGP residuals by chemical oxidants. Journal of Contaminant Hydrology, 2018, 219, 1-17.	3.3	6
25	Intra-NAPL diffusion and dissolution of a MGP NAPL exposed to persulfate in a flow-through system. Journal of Hazardous Materials, 2019, 365, 366-374.	12.4	6
26	Use of steady-state hydraulic tomography to inform the selection of a chaotic advection system. Journal of Contaminant Hydrology, 2020, 229, 103559.	3.3	6
27	Spatiotemporal geo-electrical sensing of a Pluronic-coated cobalt ferrite nanoparticle slug in natural sand flow-through columns. Science of the Total Environment, 2021, 769, 144522.	8.0	5
28	Response of sulfate-reducing bacteria and supporting microbial community to persulfate exposure in a continuous flow system. Environmental Sciences: Processes and Impacts, 2019, 21, 1193-1203.	3.5	4
29	Evaluation of nutrient beneficial management practices on nitrate loading to groundwater in a Southern Ontario agricultural landscape. Canadian Water Resources Journal, 2020, 45, 90-107.	1.2	4
30	Laboratory Experiments to Evaluate the Effectiveness of Persulfate to Oxidize BTEX in Saline Environment and at Elevated Temperature Using Stable Isotopes. Hydrology, 2021, 8, 139.	3.0	2
31	Evidence of precipitate formation and byproduct transfer to nonaqueous phase liquids as a result of persulfate exposure. Remediation, 2022, 32, 211-219.	2.4	2
32	Transport and targeted binding of Pluronic-coated nanoparticles in unsaturated porous media. Journal of Contaminant Hydrology, 2022, 249, 104046.	3.3	2
33	Simple Resistivity Probe System for Real-Time Monitoring of Injected Reagents. Ground Water Monitoring and Remediation, 2020, 40, 54-66.	0.8	1