

Abinash Agrawal

List of Publications by Year in descending order

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18
papers

1,224
citations

687363

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839539

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1548
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#	ARTICLE	IF	CITATIONS
1	Promotion of Microbial Oxidation of Structural Fe(II) in Nontronite by Oxalate and NTA. <i>Environmental Science & Technology</i> , 2020, 54, 13026-13035.	10.0	13
2	Coupling of Fe(II) oxidation in illite with nitrate reduction and its role in clay mineral transformation. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 353-366.	3.9	40
3	Sulfidation of Iron-Based Materials: A Review of Processes and Implications for Water Treatment and Remediation. <i>Environmental Science & Technology</i> , 2017, 51, 13070-13085.	10.0	321
4	Inhibitory effect of clay mineral on methanogenesis by <i>Methanosarcina mazei</i> and <i>Methanothermobacter thermautotrophicus</i> . <i>Applied Clay Science</i> , 2016, 126, 25-32.	5.2	13
5	Nanoscale TiO ₂ films and their application in remediation of organic pollutants. <i>Coordination Chemistry Reviews</i> , 2016, 306, 43-64.	18.8	121
6	Natural attenuation potential of trichloroethene in wetland plant roots: Role of native ammonium-oxidizing microorganisms. <i>Chemosphere</i> , 2015, 119, 971-977.	8.2	4
7	Biological Redox Cycling of Iron in Nontronite and Its Potential Application in Nitrate Removal. <i>Environmental Science & Technology</i> , 2015, 49, 5493-5501.	10.0	109
8	Microbial reduction and precipitation of vanadium by mesophilic and thermophilic methanogens. <i>Chemical Geology</i> , 2014, 370, 29-39.	3.3	91
9	Degradation kinetics of chlorinated aliphatic hydrocarbons by methane oxidizers naturally-associated with wetland plant roots. <i>Journal of Contaminant Hydrology</i> , 2014, 170, 68-75.	3.3	13
10	The role of Fe(III) bioreduction by methanogens in the preservation of organic matter in smectite. <i>Chemical Geology</i> , 2014, 389, 16-28.	3.3	27
11	Microbial reduction of Fe(III) in smectite minerals by thermophilic methanogen <i>Methanothermobacter thermautotrophicus</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 203-215.	3.9	57
12	Biological oxidation of Fe(II) in reduced nontronite coupled with nitrate reduction by <i>Pseudogulbenkiania</i> sp. Strain 2002. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 231-247.	3.9	88
13	Dechlorination of Environmental Contaminants Using a Hybrid Nanocatalyst: Palladium Nanoparticles Supported on Hierarchical Carbon Nanostructures. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-9.	3.4	11
14	Reduction of structural Fe(III) in nontronite by methanogen <i>Methanosarcina barkeri</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1057-1071.	3.9	96
15	Aerobic cometabolic degradation of trichloroethene by methane and ammonia oxidizing microorganisms naturally associated with <i>Carex comosa</i> roots. <i>Biodegradation</i> , 2011, 22, 527-538.	3.0	9
16	Biodegradation of Trichloroethene by Methane Oxidizers Naturally Associated with Wetland Plant Roots. <i>Wetlands</i> , 2011, 31, 45-52.	1.5	9
17	Development of a wetland constructed for the treatment of groundwater contaminated by chlorinated ethenes. <i>Ecological Engineering</i> , 2007, 30, 51-66.	3.6	52
18	Effects of Carbonate Species on the Kinetics of Dechlorination of 1,1,1-Trichloroethane by Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2002, 36, 4326-4333.	10.0	150