Abinash Agrawal

List of Publications by Year
in descending order

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18 papers	1,224 citations	687363 13 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	1548 citing authors

#	Article	IF	Citations
1	Sulfidation of Iron-Based Materials: A Review of Processes and Implications for Water Treatment and Remediation. Environmental Science & Technology, 2017, 51, 13070-13085.	10.0	321
2	Effects of Carbonate Species on the Kinetics of Dechlorination of 1,1,1-Trichloroethane by Zero-Valent Iron. Environmental Science & Technology, 2002, 36, 4326-4333.	10.0	150
3	Nanoscale TiO2 films and their application in remediation of organic pollutants. Coordination Chemistry Reviews, 2016, 306, 43-64.	18.8	121
4	Biological Redox Cycling of Iron in Nontronite and Its Potential Application in Nitrate Removal. Environmental Science & Technology, 2015, 49, 5493-5501.	10.0	109
5	Reduction of structural Fe(III) in nontronite by methanogen Methanosarcina barkeri. Geochimica Et Cosmochimica Acta, 2011, 75, 1057-1071.	3.9	96
6	Microbial reduction and precipitation of vanadium by mesophilic and thermophilic methanogens. Chemical Geology, 2014, 370, 29-39.	3.3	91
7	Biological oxidation of Fe(II) in reduced nontronite coupled with nitrate reduction by Pseudogulbenkiania sp. Strain 2002. Geochimica Et Cosmochimica Acta, 2013, 119, 231-247.	3.9	88
8	Microbial reduction of Fe(III) in smectite minerals by thermophilic methanogen Methanothermobacter thermautotrophicus. Geochimica Et Cosmochimica Acta, 2013, 106, 203-215.	3.9	57
9	Development of a wetland constructed for the treatment of groundwater contaminated by chlorinated ethenes. Ecological Engineering, 2007, 30, 51-66.	3.6	52
10	Coupling of Fe(II) oxidation in illite with nitrate reduction and its role in clay mineral transformation. Geochimica Et Cosmochimica Acta, 2017, 200, 353-366.	3.9	40
11	The role of Fe(III) bioreduction by methanogens in the preservation of organic matter in smectite. Chemical Geology, 2014, 389, 16-28.	3.3	27
12	Degradation kinetics of chlorinated aliphatic hydrocarbons by methane oxidizers naturally-associated with wetland plant roots. Journal of Contaminant Hydrology, 2014, 170, 68-75.	3.3	13
13	Inhibitory effect of clay mineral on methanogenesis by Methanosarcina mazei and Methanothermobacter thermautotrophicus. Applied Clay Science, 2016, 126, 25-32.	5.2	13
14	Promotion of Microbial Oxidation of Structural Fe(II) in Nontronite by Oxalate and NTA. Environmental Science & Technology, 2020, 54, 13026-13035.	10.0	13
15	Dechlorination of Environmental Contaminants Using a Hybrid Nanocatalyst: Palladium Nanoparticles Supported on Hierarchical Carbon Nanostructures. Journal of Nanotechnology, 2012, 2012, 1-9.	3.4	11
16	Aerobic cometabolic degradation of trichloroethene by methane and ammonia oxidizing microorganisms naturally associated with Carex comosa roots. Biodegradation, 2011, 22, 527-538.	3.0	9
17	Biodegradation of Trichloroethene by Methane Oxidizers Naturally Associated with Wetland Plant Roots. Wetlands, 2011, 31, 45-52.	1.5	9
18	Natural attenuation potential of tricholoroethene in wetland plant roots: Role of native ammonium-oxidizing microorganisms. Chemosphere, 2015, 119, 971-977.	8.2	4