

Adele M Jones

List of Publications by Year in descending order

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26
papers

1,631
citations

394421

19
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1898
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of silica and natural organic matter on the Fe(II)-catalysed transformation and reactivity of Fe(III) minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4409-4422.	3.9	318
2	Silver Nanoparticle~Reactive Oxygen Species Interactions: Application of a Charging~Discharging Model. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5461-5468.	3.1	193
3	Superoxide-Mediated Formation and Charging of Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2011, 45, 1428-1434.	10.0	144
4	Ferrous iron oxidation by molecular oxygen under acidic conditions: The effect of citrate, EDTA and fulvic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 117-131.	3.9	107
5	Ferrous iron oxidation under acidic conditions ~ The effect of ferric oxide surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 145, 1-12.	3.9	106
6	Effect of <i>Shewanella oneidensis</i> on the Kinetics of Fe(II)-Catalyzed Transformation of Ferrihydrite to Crystalline Iron Oxides. <i>Environmental Science & Technology</i> , 2018, 52, 114-123.	10.0	80
7	Labile Fe(III) from sorbed Fe(II) oxidation is the key intermediate in Fe(II)-catalyzed ferrihydrite transformation. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 105-120.	3.9	72
8	Redox characterization of the Fe(II)-catalyzed transformation of ferrihydrite to goethite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 257-272.	3.9	63
9	Mechanisms of enhancement in early hydration by sodium sulfate in a slag-cement blend ~ Insights from pore solution chemistry. <i>Cement and Concrete Research</i> , 2020, 135, 106110.	11.0	63
10	Schwertmannite stability in acidified coastal environments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 482-496.	3.9	61
11	Influence of Dissolved Silicate on Rates of Fe(II) Oxidation. <i>Environmental Science & Technology</i> , 2016, 50, 11663-11671.	10.0	59
12	Mineral species control of aluminum solubility in sulfate-rich acidic waters. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 965-977.	3.9	55
13	Flow-Electrode CDI Removes the Uncharged $\text{Ca}^{2+}\text{CO}_3^{2-}$ Ternary Complex from Brackish Potable Groundwater: Complex Dissociation, Transport, and Sorption. <i>Environmental Science & Technology</i> , 2019, 53, 2739-2747.	10.0	54
14	Use of fourier transform infrared spectroscopy to examine the Fe(II)-Catalyzed transformation of ferrihydrite. <i>Talanta</i> , 2017, 175, 30-37.	5.5	38
15	Dissociation kinetics of Fe(III)~ and Al(III)~natural organic matter complexes at pH 6.0 and 8.0 and 25°C. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2875-2887.	3.9	35
16	The reduction of 4-chloronitrobenzene by Fe(II)-Fe(III) oxide systems - correlations with reduction potential and inhibition by silicate. <i>Journal of Hazardous Materials</i> , 2016, 320, 143-149.	12.4	31
17	Reductive reactivity of borohydride- and dithionite-synthesized iron-based nanoparticles: A comparative study. <i>Journal of Hazardous Materials</i> , 2016, 303, 101-110.	12.4	26
18	Fe(II) Interactions with Smectites: Temporal Changes in Redox Reactivity and the Formation of Green Rust. <i>Environmental Science & Technology</i> , 2017, 51, 12573-12582.	10.0	26

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19	A microstructural investigation of a Na ₂ SO ₄ activated cement-slag blend. Cement and Concrete Research, 2021, 150, 106609.	11.0	25
20	Mechanistic and kinetic insights into the ligand-promoted depassivation of bimetallic zero-valent iron nanoparticles. Environmental Science: Nano, 2016, 3, 737-744.	4.3	19
21	Donnan membrane speciation of Al, Fe, trace metals and REEs in coastal lowland acid sulfate soil-impacted drainage waters. Science of the Total Environment, 2016, 547, 104-113.	8.0	19
22	The impacts of low-cost treatment options upon scale formation potential in remote communities reliant on hard groundwaters. A case study: Northern Territory, Australia. Science of the Total Environment, 2012, 416, 22-31.	8.0	11
23	Investigating the effect of ascorbate on the Fe(II)-catalyzed transformation of the poorly crystalline iron mineral ferrihydrite. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1760-1769.	2.4	8
24	Ligand-mediated contaminant degradation by bare and carboxymethyl cellulose-coated bimetallic palladium-zero valent iron nanoparticles in high salinity environments. Journal of Environmental Sciences, 2019, 77, 303-311.	6.1	8
25	Efficient Reductive Defluorination of Branched PFOS by Metal-“Porphyrin Complexes. Environmental Science & Technology, 2022, 56, 7830-7839.	10.0	6
26	Oxidant Generation Resulting from the Interaction of Copper with Menadione (Vitamin K ₃)—a Model for Metal-mediated Oxidant Generation in Living Systems. Journal of Inorganic Biochemistry, 2018, 188, 38-49.	3.5	4