Joanne E Stubbs

List of Publications by Year
in descending order

37 papers	1,237 citations	471509 17 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	1618 citing authors

#	Article	IF	Citations
1	Impact of Ionâ€“Ion Correlations on the Adsorption of M(III) (M = Am, Eu, Y) onto Muscovite (001) in the Presence of Sulfate. Journal of Physical Chemistry C, 2022, 126, 1400-1410.	3.1	3
2	Recent developments on high-pressure single-crystal X-ray diffraction at the Partnership for eXtreme Xtallography (PX2) program. Physics and Chemistry of Minerals, 2022, 49, .	0.8	3
3	Structure and Surface Complexation at the Calcite(104)â€“Water Interface. Environmental Science & Technology, 2021, 55, 12403-12413.	10.0	12
4	Interfacial X-Ray Scattering From Small Surfaces: Adapting Mineral-Fluid Structure Methods for Microcrystalline Materials. Clays and Clay Minerals, 2021, 69, 688-701.	1.3	2
5	Nanoscale Quantification of Interstitial Oxygen in Hyperstoichiometric UO2+x. Microscopy and Microanalysis, 2019, 25, 1598-1599.	0.4	0
6	Epitaxial Growth of Gibbsite Sheets on the Basal Surface of Muscovite Mica. Journal of Physical Chemistry C, 2019, 123, 27615-27627.	3.1	10
7	Nanoscale oxygen defect gradients in UO2+x surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17181-17186.	7.1	17
8	Dissolution Kinetics of Epitaxial Cadmium Carbonate Overgrowths on Dolomite. ACS Earth and Space Chemistry, 2019, 3, 212-220.	2.7	3
9	Comparative response of interfacial water structure to pH variations and arsenate adsorption on corundum (0â€¯1â€¯2) and (0â€¯0â€¯1) surfaces. Geochimica Et Cosmochimica Acta, 2019, 246, 406-418.	3.9	7
10	Reductive Dissolution Mechanisms at the Hematite-Electrolyte Interface Probed by in Situ X-ray Scattering. Journal of Physical Chemistry C, 2019, 123, 8077-8085.	3.1	8
11	Simultaneous Adsorption and Incorporation of Sr²⁺ at the Barite (001)â€“Water Interface. Journal of Physical Chemistry C, 2019, 123, 1194-1207.	3.1	21
12	In situ structural study of the surface complexation of lead(II) on the chemically mechanically polished hematite (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif") Tj ETQq0 0 0 rgBT /Overlock 10 T surface. Journal of Colloid and Interface Science, 2018, 524, 65-75.	9.4	18
13	Potentialâ€Specific Structure at the Hematiteâ€“Electrolyte Interface. Advanced Functional Materials, 2018, 28, 1705618.	14.9	16
14	Response of interfacial water to arsenate adsorption on corundum (0â€¯0â€¯1) surfaces: Effects of pH and adsorbate surface coverage. Geochimica Et Cosmochimica Acta, 2018, 239, 198-212.	3.9	16
15	Dynamics of silver nanoparticles at the solution/biofilm/mineral interface. Environmental Science: Nano, 2018, 5, 2394-2405.	4.3	10
16	Mineralâ€“Water Interface Structure of Xenotime (YPO4) {100}. Journal of Physical Chemistry C, 2018, 122, 20232-20243.	3.1	10
17	Dynamic Stabilization of Metal Oxideâ€“Water Interfaces. Journal of the American Chemical Society, 2017, 139, 2581-2584.	13.7	60
18	Hydration Structure of the Barite (001)â€“Water Interface: Comparison of X-ray Reflectivity with Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2017, 121, 12236-12248.	3.1	38

#	Article	IF	Citations
19	Oxidative Corrosion of the UO2 (001) Surface by Nonclassical Diffusion. Langmuir, 2017, 33, 13189-13196.	3.5	12
20	High Pressure Single Crystal Diffraction at PX^2. Journal of Visualized Experiments, 2017, , .	0.3	35
21	Quantifying small changes in uranium oxidation states using XPS of a shallow core level. Physical Chemistry Chemical Physics, 2017, 19, 30473-30480.	2.8	25
22	A Comparison of Adsorption, Reduction, and Polymerization of the Plutonyl(VI) and Uranyl(VI) Ions from Solution onto the Muscovite Basal Plane. Langmuir, 2016, 32, 10473-10482.	3.5	8
23	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>UO</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:mo>+</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:math> Corrosion by Nonclassical Diffusion. Physical Review Letters, 2015, 114, 246103.	7.8	28
24	Ankerite grains with dolomite cores: A diffusion chronometer for low- to medium-grade regionally metamorphosed clastic sediments. American Mineralogist, 2015, 100, 2443-2457.	1.9	6
25	Effects of the background electrolyte on Th(IV) sorption to muscovite mica. Geochimica Et Cosmochimica Acta, 2015, 165, 280-293.	3.9	11
26	The product of microbial uranium reduction includes multiple species with U(IV)â€“phosphate coordination. Geochimica Et Cosmochimica Acta, 2014, 131, 115-127.	3.9	114
27	Surface-Mediated Formation of Pu(IV) Nanoparticles at the Muscovite-Electrolyte Interface. Environmental Science & Technology, 2013, 47, 14178-14184.	10.0	27
28	Uranium redox transition pathways in acetate-amended sediments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4506-4511.	7.1	161
29	Density-functional theory investigation of oxidative corrosion of UO2. Computational and Theoretical Chemistry, 2012, 987, 90-102.	2.5	25
30	Quantitative Separation of Monomeric U(IV) from UO₂ in Products of U(VI) Reduction. Environmental Science & Technology, 2012, 46, 6150-6157.	10.0	107
31	Oxidative Dissolution of Biogenic Uraninite in Groundwater at Old Rifle, CO. Environmental Science & Technology, 2011, 45, 8748-8754.	10.0	66
32	Composition, stability, and measurement of reduced uranium phases for groundwater bioremediation at Old Rifle, CO. Applied Geochemistry, 2011, 26, S167-S169.	3.0	21
33	Products of abiotic U(VI) reduction by biogenic magnetite and vivianite. Geochimica Et Cosmochimica Acta, 2011, 75, 2512-2528.	3.9	130
34	Uranyl phosphate sheet reconstruction during dehydration of metatorbernite [Cu(UO2)2(PO4)2{middle dot}8H2O]. American Mineralogist, 2010, 95, 1132-1140.	1.9	15
35	Newly recognized hosts for uranium in the Hanford Site vadose zone. Geochimica Et Cosmochimica Acta, 2009, 73, 1563-1576.	3.9	80
36	Electron Microbeam Investigation of Uranium-Contaminated Soils from Oak Ridge, TN, USA. Environmental Science & Technology, 2006, 40, 2108-2113.	10.0	43

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37	Comprehensive characterization of skeletal tissue growth anomalies of the finger coral Porites compressa. Coral Reefs, 2006, 25, 531-543.	2.2	72