

Joanne E Stubbs

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Products of abiotic U(VI) reduction by biogenic magnetite and vivianite. Geochimica Et Cosmochimica Acta, 2011, 75, 2512-2528.	3.9	130
3	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
4	Quantitative Separation of Monomeric U(IV) from UO ₂ in Products of U(VI) Reduction. Environmental Science & Technology, 2012, 46, 6150-6157.	10.0	107
5	Newly recognized hosts for uranium in the Hanford Site vadose zone. Geochimica Et Cosmochimica Acta, 2009, 73, 1563-1576.	3.9	80
6	Comprehensive characterization of skeletal tissue growth anomalies of the finger coral Porites compressa. Coral Reefs, 2006, 25, 531-543.	2.2	72
7	Oxidative Dissolution of Biogenic Uraninite in Groundwater at Old Rifle, CO. Environmental Science & Technology, 2011, 45, 8748-8754.	10.0	66
8	Dynamic Stabilization of Metal Oxideâ€“Water Interfaces. Journal of the American Chemical Society, 2017, 139, 2581-2584.	13.7	60
9	Electron Microbeam Investigation of Uranium-Contaminated Soils from Oak Ridge, TN, USA. Environmental Science & Technology, 2006, 40, 2108-2113.	10.0	43
10	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
11	High Pressure Single Crystal Diffraction at PX ² . Journal of Visualized Experiments, 2017, , .	0.3	35
12	Surface-Mediated Formation of Pu(IV) Nanoparticles at the Muscovite-Electrolyte Interface. Environmental Science & Technology, 2013, 47, 14178-14184.	10.0	27
13	Density-functional theory investigation of oxidative corrosion of UO ₂ . Computational and Theoretical Chemistry, 2012, 987, 90-102.	2.5	25
14	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{UO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$ Corrosion by Nonclassical Diffusion. Physical Review Letters, 2015, 114, 246103.	7.8	25
15	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
16	Composition, stability, and measurement of reduced uranium phases for groundwater bioremediation at Old Rifle, CO. Applied Geochemistry, 2011, 26, S167-S169.	3.0	21
17	Simultaneous Adsorption and Incorporation of Sr ²⁺ at the Barite (001)â€“Water Interface. Journal of Physical Chemistry C, 2019, 123, 1194-1207.	3.1	21
18	In situ structural study of the surface complexation of lead(II) on the chemically mechanically polished hematite ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif"} \rangle$) Tj ETQq0 0 0,rgBT /Overlock 10 T surface. Journal of Colloid and Interface Science, 2018, 524, 65-75.	9.4	18

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19	Nanoscale oxygen defect gradients in UO _{2+x} surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17181-17186.	7.1	17
20	Potential-Specific Structure at the Hematite-Electrolyte Interface. Advanced Functional Materials, 2018, 28, 1705618.	14.9	16
21	Response of interfacial water to arsenate adsorption on corundum (Al ₂ O ₃) surfaces: Effects of pH and adsorbate surface coverage. Geochimica Et Cosmochimica Acta, 2018, 239, 198-212.	3.9	16
22	Uranyl phosphate sheet reconstruction during dehydration of metatorbernite [Cu(UO ₂) ₂ (PO ₄) ₂ ·8H ₂ O]. American Mineralogist, 2010, 95, 1132-1140.	1.9	15
23	Oxidative Corrosion of the UO ₂ (001) Surface by Nonclassical Diffusion. Langmuir, 2017, 33, 13189-13196.	3.5	12
24	Structure and Surface Complexation at the Calcite(104)-Water Interface. Environmental Science & Technology, 2021, 55, 12403-12413.	10.0	12
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	Dynamics of silver nanoparticles at the solution/biofilm/mineral interface. Environmental Science: Nano, 2018, 5, 2394-2405.	4.3	10
27	Mineral-Water Interface Structure of Xenotime (YPO ₄) {100}. Journal of Physical Chemistry C, 2018, 122, 20232-20243.	3.1	10
28	Epitaxial Growth of Gibbsite Sheets on the Basal Surface of Muscovite Mica. Journal of Physical Chemistry C, 2019, 123, 27615-27627.	3.1	10
29	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
30	Reductive Dissolution Mechanisms at the Hematite-Electrolyte Interface Probed by <i>in Situ</i> X-ray Scattering. Journal of Physical Chemistry C, 2019, 123, 8077-8085.	3.1	8
31	Comparative response of interfacial water structure to pH variations and arsenate adsorption on corundum (Al ₂ O ₃) and (Al ₂ O ₃) surfaces. Geochimica Et Cosmochimica Acta, 2019, 246, 406-418.	3.9	7
32	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
33	Dissolution Kinetics of Epitaxial Cadmium Carbonate Overgrowths on Dolomite. ACS Earth and Space Chemistry, 2019, 3, 212-220.	2.7	3
34	Impact of Ion-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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Nanoscale Quantification of Interstitial Oxygen in Hyperstoichiometric UO _{2+x} . Microscopy and Microanalysis, 2019, 25, 1598-1599.	0.4	0