

Zheming Wang

List of Publications by Year in descending order

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131
papers

6,312
citations

71061

41
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76872

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136
all docs

136
docs citations

136
times ranked

6134
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into sorption speciation of uranium on phlogopite: Evidence from TRLFS and DFT calculation. <i>Journal of Hazardous Materials</i> , 2022, 427, 128164.	6.5	11
2	Crystallization and Phase Transformations of Aluminum (Oxy)hydroxide Polymorphs in Caustic Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 9820-9832.	1.9	15
3	Molecular Examination of Ion-Pair Competition in Alkaline Aluminate Solutions Using In Situ Liquid SIMS. <i>Analytical Chemistry</i> , 2021, 93, 1068-1075.	3.2	6
4	No Hydrogen Bonding between Water and Hydrophilic Single Crystal MgO Surfaces?. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26132-26138.	1.5	8
5	Radiation-Induced Interfacial Hydroxyl Transformation on Boehmite and Gibbsite Basal Surfaces. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22185-22191.	1.5	8
6	Two-step route to size and shape controlled gibbsite nanoplates and the crystal growth mechanism. <i>CrystEngComm</i> , 2020, 22, 2555-2565.	1.3	10
7	Photo-production of reactive oxygen species and degradation of dissolved organic matter by hematite nanoplates functionalized by adsorbed oxalate. <i>Environmental Science: Nano</i> , 2020, 7, 2278-2292.	2.2	21
8	Shape-preserving amorphous-to-crystalline transformation of CaCO ₃ revealed by in situ TEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3397-3404.	3.3	97
9	Surface Hydration and Hydroxyl Configurations of Gibbsite and Boehmite Nanoplates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5275-5285.	1.5	21
10	Evolution of Radicals from the Photolysis of High Ionic Strength Alkaline Nitrite Solutions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3019-3025.	1.1	4
11	Effect of Cr(III) Adsorption on the Dissolution of Boehmite Nanoparticles in Caustic Solution. <i>Environmental Science & Technology</i> , 2020, 54, 6375-6384.	4.6	8
12	The role of surface hydroxyls on the radiolysis of gibbsite and boehmite nanoplatelets. <i>Journal of Hazardous Materials</i> , 2020, 398, 122853.	6.5	18
13	Surface-Active $\hat{\text{I}}^2$ -Caryophyllene Oxidation Products at the Air/Aqueous Interface. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1740-1748.	1.2	8
14	Facet-Specific Photocatalytic Degradation of Organics by Heterogeneous Fenton Chemistry on Hematite Nanoparticles. <i>Environmental Science & Technology</i> , 2019, 53, 10197-10207.	4.6	101
15	Americium incorporation into studtite: a theoretical and experimental study. <i>Dalton Transactions</i> , 2019, 48, 13057-13063.	1.6	4
16	Synthesis and surface spectroscopy of $\hat{\text{I}}^{\pm}$ -pinene isotopologues and their corresponding secondary organic material. <i>Chemical Science</i> , 2019, 10, 8390-8398.	3.7	8
17	Study on the Impacts of Capillary Number and Initial Water Saturation on the Residual Gas Distribution by NMR. <i>Energies</i> , 2019, 12, 2714.	1.6	4
18	The energetic basis for hydroxyapatite mineralization by amelogenin variants provides insights into the origin of <i>amelogenesis imperfecta</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13867-13872.	3.3	20

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19	Transformation of Gibbsite to Boehmite in Caustic Aqueous Solution at Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2019, 19, 5557-5567.	1.4	19
20	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. <i>Environmental Science & Technology</i> , 2019, 53, 11043-11055.	4.6	42
21	Cooperative Adsorption of Trehalose to DPPC Monolayers at the Water–Air Interface Studied with Vibrational Sum Frequency Generation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8931-8938.	1.2	7
22	Organic Enrichment at Aqueous Interfaces: Cooperative Adsorption of Glucuronic Acid to DPPC Monolayers Studied with Vibrational Sum Frequency Generation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5621-5632.	1.1	14
23	Interdisciplinary Round-Robin Test on Molecular Spectroscopy of the U(VI) Acetate System. <i>ACS Omega</i> , 2019, 4, 8167-8177.	1.6	5
24	Synthesis of 2D Hexagonal Hematite Nanosheets and the Crystal Growth Mechanism. <i>Inorganic Chemistry</i> , 2019, 58, 16727-16735.	1.9	32
25	Atmospheric \hat{I}^2 -Caryophyllene-Derived Ozonolysis Products at Interfaces. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 158-169.	1.2	10
26	Direct Observation of the Orientational Anisotropy of Buried Hydroxyl Groups inside Muscovite Mica. <i>Journal of the American Chemical Society</i> , 2019, 141, 2135-2142.	6.6	23
27	Sustainable Disposal of Cr(VI): Adsorption–Reduction Strategy for Treating Textile Wastewaters with Amino-Functionalized Boehmite Hazardous Solid Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6811-6819.	3.2	43
28	Dehydration of the Uranyl Peroxide Studtite, $[\text{UO}_2(\text{H}_2\text{O})_2] \cdot 2\text{H}_2\text{O}$, Affords a Drastic Change in the Electronic Structure: A Combined X-ray Spectroscopic and Theoretical Analysis. <i>Inorganic Chemistry</i> , 2018, 57, 1735-1743.	1.9	31
29	Crystallographic and Spectroscopic Characterization of Americium Complexes Containing the Bis[(phosphino)methyl]pyridine-1-oxide (NOPOPO) Ligand Platform. <i>Inorganic Chemistry</i> , 2018, 57, 2278-2287.	1.9	17
30	Vibrational studies of saccharide-induced lipid film reorganization at aqueous/air interfaces. <i>Chemical Physics</i> , 2018, 512, 104-110.	0.9	15
31	Atomic Origins of the Self-Healing Function in Cement–Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3011-3019.	4.0	23
32	Size and Morphology Controlled Synthesis of Boehmite Nanoplates and Crystal Growth Mechanisms. <i>Crystal Growth and Design</i> , 2018, 18, 3596-3606.	1.4	82
33	Simulation of solute transport through heterogeneous networks: analysis using the method of moments and the statistics of local transport characteristics. <i>Scientific Reports</i> , 2018, 8, 3780.	1.6	4
34	Superior lithium adsorption and required magnetic separation behavior of iron-doped lithium ion-sieves. <i>Chemical Engineering Journal</i> , 2018, 332, 160-168.	6.6	69
35	Adsorption study of selenium ions from aqueous solutions using MgO nanosheets synthesized by ultrasonic method. <i>Journal of Hazardous Materials</i> , 2018, 341, 268-276.	6.5	101
36	Boehmite and Gibbsite Nanoplates for the Synthesis of Advanced Alumina Products. <i>ACS Applied Nano Materials</i> , 2018, 1, 7115-7128.	2.4	79

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37	Experimental study of drying effects during supercritical CO ₂ displacement in a pore network. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	1.0	4
38	Uranium Release from Acidic Weathered Hanford Sediments: Single-Pass Flow-Through and Column Experiments. <i>Environmental Science & Technology</i> , 2017, 51, 11011-11019.	4.6	15
39	<i>In Situ</i> Synthesis of Al^{3+} -AlOOH and Synchronous Adsorption Separation of V(V) from Highly Concentrated Cr(VI) Multiplex Complex solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6674-6681.	3.2	27
40	Phosphate-Induced Immobilization of Uranium in Hanford Sediments. <i>Environmental Science & Technology</i> , 2016, 50, 13486-13494.	4.6	37
41	Effect of phosphate on U(VI) sorption to montmorillonite: Ternary complexation and precipitation barriers. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 86-99.	1.6	68
42	Particle size effect and the mechanism of hematite reduction by the outer membrane cytochrome OmcA of <i>Shewanella oneidensis</i> MR-1. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 160-175.	1.6	38
43	Can Cr(III) substitute for Al(III) in the structure of boehmite?. <i>RSC Advances</i> , 2016, 6, 107628-107637.	1.7	15
44	Continuous, One-pot Synthesis and Post-Synthetic Modification of NanoMOFs Using Droplet Nanoreactors. <i>Scientific Reports</i> , 2016, 6, 36657.	1.6	45
45	Electrochemistry and Spectroelectrochemistry of Luminescent Europium Complexes. <i>Electroanalysis</i> , 2016, 28, 2109-2117.	1.5	16
46	Effect of Reaction Pathway on the Extent and Mechanism of Uranium(VI) Immobilization with Calcium and Phosphate. <i>Environmental Science & Technology</i> , 2016, 50, 3128-3136.	4.6	52
47	Uranium fate in Hanford sediment altered by simulated acid waste solutions. <i>Applied Geochemistry</i> , 2015, 63, 1-9.	1.4	9
48	A Fluorescence-Based Method for Rapid and Direct Determination of Polybrominated Diphenyl Ethers in Water. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-10.	0.7	5
49	Characterization of lignin derived from water-only and dilute acid flowthrough pretreatment of poplar wood at elevated temperatures. <i>Biotechnology for Biofuels</i> , 2015, 8, 203.	6.2	86
50	Incorporation of Np(V) and U(VI) in carbonate and sulfate minerals crystallized from aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 151, 133-149.	1.6	21
51	Effects of soluble flavin on heterogeneous electron transfer between surface-exposed bacterial cytochromes and iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 299-310.	1.6	41
52	Use of Solvatochromism to Assay Preferential Solvation of a Prototypic Catalytic Site. <i>Topics in Catalysis</i> , 2015, 58, 258-270.	1.3	2
53	Transport of U(VI) through sediments amended with phosphate to induce in situ uranium immobilization. <i>Water Research</i> , 2015, 69, 307-317.	5.3	43
54	Scintillation and luminescence in transparent colorless single and polycrystalline bulk ceramic ZnS. <i>Journal of Luminescence</i> , 2015, 157, 416-423.	1.5	15

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55	Effect of co-solutes on the products and solubility of uranium(VI) precipitated with phosphate. <i>Chemical Geology</i> , 2014, 364, 66-75.	1.4	75
56	Excited States and Luminescent Properties of UO_2F_2 and Its Solvated Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2014, 53, 7340-7350.	1.9	20
57	A transmembrane porin-cytochrome protein complex for extracellular electron transfer by <i>Geobacter sulfurreducens</i> ...PCA. <i>Environmental Microbiology Reports</i> , 2014, 6, 776-785.	1.0	178
58	Long-term kinetics of uranyl desorption from sediments under advective conditions. <i>Water Resources Research</i> , 2014, 50, 855-870.	1.7	14
59	Investigation of U(VI) Adsorption in Quartz-Chlorite Mineral Mixtures. <i>Environmental Science & Technology</i> , 2014, 48, 7766-7773.	4.6	16
60	Photophysics and Luminescence Spectroelectrochemistry of $[\text{Tc}(\text{dmpe})_3]^{+2}$ (dmpe = 1,2-bis(dimethylphosphino)ethane). <i>Journal of Physical Chemistry A</i> , 2013, 117, 12749-12758.	1.1	15
61	Rapid electron exchange between surface-exposed bacterial cytochromes and Fe(III) minerals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6346-6351.	3.3	179
62	Near-infrared spectroscopic investigation of water in supercritical CO_2 and the effect of CaCl_2 . <i>Fluid Phase Equilibria</i> , 2013, 338, 155-163.	1.4	34
63	The surface structure of U_2O_7 and its interaction with Eu(III) - An integrated computational and fluorescence spectroscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 103, 184-196.	1.6	6
64	Reductive dissolution of goethite and hematite by reduced flavins. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 139-154.	1.6	41
65	Fe_3TiO_4 Nanoparticles as Tunable Probes of Microbial Metal Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8896-8907.	6.6	43
66	Transport and retention of engineered nanoporous particles in porous media: Effects of concentration and flow dynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 89-98.	2.3	30
67	Comparative reactivity study of forsterite and antigorite in wet supercritical CO_2 by in situ infrared spectroscopy. <i>International Journal of Greenhouse Gas Control</i> , 2013, 18, 246-255.	2.3	43
68	Identification of Fragile Microscopic Structures during Mineral Transformations in Wet Supercritical CO_2 . <i>Microscopy and Microanalysis</i> , 2013, 19, 268-275.	0.2	1
69	A thermodynamic model for predicting mineral reactivity in supercritical carbon dioxide: I. Phase behavior of carbon dioxide-water-chloride salt systems across the H_2O -rich to the CO_2 -rich regions. <i>Chemical Geology</i> , 2012, 322-323, 151-171.	1.4	78
70	Biotic and Abiotic Reduction and Solubilization of $\text{Pu}(\text{IV})\text{O}_2 \cdot n\text{H}_2\text{O}(\text{am})$ as Affected by Anthraquinone-2,6-disulfonate (AQDS) and Ethylenediaminetetraacetate (EDTA). <i>Environmental Science & Technology</i> , 2012, 46, 2132-2140.	4.6	20
71	Fluorescent Functionalized Mesoporous Silica for Radioactive Material Extraction. <i>Separation Science and Technology</i> , 2012, 47, 1507-1513.	1.3	11
72	In Situ Infrared Spectroscopic Study of Brucite Carbonation in Dry to Water-Saturated Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4768-4777.	1.1	61

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73	Redox Reactions of Reduced Flavin Mononucleotide (FMN), Riboflavin (RBF), and Anthraquinone-2,6-disulfonate (AQDS) with Ferrihydrite and Lepidocrocite. <i>Environmental Science & Technology</i> , 2012, 46, 11644-11652.	4.6	98
74	Identification and Characterization of MtoA: A Decaheme c-Type Cytochrome of the Neutrophilic Fe(II)-Oxidizing Bacterium <i>Sideroxydans lithotrophicus ES-1</i> . <i>Frontiers in Microbiology</i> , 2012, 3, 37.	1.5	186
75	The Effect of pH and Time on the Extractability and Speciation of Uranium(VI) Sorbed to SiO ₂ . <i>Environmental Science & Technology</i> , 2012, 46, 6604-6611.	4.6	38
76	Electronic and Molecular Structures of trans-Dioxotechnetium(V) Polypyridyl Complexes in the Solid State. <i>Inorganic Chemistry</i> , 2011, 50, 5815-5823.	1.9	19
77	Effect of Grain Size on Uranium(VI) Surface Complexation Kinetics and Adsorption Additivity. <i>Environmental Science & Technology</i> , 2011, 45, 6025-6031.	4.6	60
78	In Situ Infrared Spectroscopic Study of Forsterite Carbonation in Wet Supercritical CO ₂ . <i>Environmental Science & Technology</i> , 2011, 45, 6204-6210.	4.6	153
79	Contribution of Extracellular Polymeric Substances from <i>Shewanella</i> sp. HRCR-1 Biofilms to U(VI) Immobilization. <i>Environmental Science & Technology</i> , 2011, 45, 5483-5490.	4.6	149
80	Determining individual mineral contributions to U(VI) adsorption in a contaminated aquifer sediment: A fluorescence spectroscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2965-2979.	1.6	35
81	Trends in Ln(III) Sorption to Quartz Assessed by Molecular Dynamics Simulations and Laser-Induced Fluorescence Studies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21120-21127.	1.5	14
82	Communication: Spectroscopic phase and lineshapes in high-resolution broadband sum frequency vibrational spectroscopy: Resolving interfacial inhomogeneities of "identical" molecular groups. <i>Journal of Chemical Physics</i> , 2011, 135, 241102.	1.2	96
83	Identification and Characterization of UndA _{HRCR-6} , an Outer Membrane Endecaheme c-Type Cytochrome of <i>Shewanella</i> sp. Strain HRCR-6. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5521-5523.	1.4	32
84	Structure of a bacterial cell surface decaheme electron conduit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9384-9389.	3.3	301
85	Characterization of uranium-contaminated sediments from beneath a nuclear waste storage tank from Hanford, Washington: Implications for contaminant transport and fate. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1363-1380.	1.6	36
86	In-Situ Measurements of Engineered Nanoporous Particle Transport in Saturated Porous Media. <i>Environmental Science & Technology</i> , 2010, 44, 8190-8195.	4.6	25
87	Microbial Reduction of Intragrain U(VI) in Contaminated Sediment. <i>Environmental Science & Technology</i> , 2009, 43, 4928-4933.	4.6	24
88	Uranium Phases in Contaminated Sediments below Hanford's U Tank Farm. <i>Environmental Science & Technology</i> , 2009, 43, 4280-4286.	4.6	42
89	Inhibition Effect of Secondary Phosphate Mineral Precipitation on Uranium Release from Contaminated Sediments. <i>Environmental Science & Technology</i> , 2009, 43, 8344-8349.	4.6	30
90	Spatially Resolved U(VI) Partitioning and Speciation: Implications for Plume Scale Behavior of Contaminant U in the Hanford Vadose Zone. <i>Environmental Science & Technology</i> , 2009, 43, 2247-2253.	4.6	8

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91	The roles of outer membrane cytochromes of <i>Shewanella</i> and <i>Geobacter</i> in extracellular electron transfer. <i>Environmental Microbiology Reports</i> , 2009, 1, 220-227.	1.0	285
92	Hydrogenase and outer membrane c-type cytochrome facilitated reduction of technetium(VII) by <i>Shewanella oneidensis</i> MR-1. <i>Environmental Microbiology</i> , 2008, 10, 125-136.	1.8	74
93	PowerSlicing to determine fluorescence lifetimes of water-soluble organic matter derived from soils, plant biomass, and animal manures. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 2189-2194.	1.9	6
94	Direct Involvement of Type II Secretion System in Extracellular Translocation of <i>Shewanella oneidensis</i> Outer Membrane Cytochromes MtrC and OmcA. <i>Journal of Bacteriology</i> , 2008, 190, 5512-5516.	1.0	113
95	Scale-dependent desorption of uranium from contaminated subsurface sediments. <i>Water Resources Research</i> , 2008, 44, .	1.7	123
96	Effect of Saline Waste Solution Infiltration Rates on Uranium Retention and Spatial Distribution in Hanford Sediments. <i>Environmental Science & Technology</i> , 2008, 42, 1973-1978.	4.6	6
97	Kinetics of Reduction of Fe(III) Complexes by Outer Membrane Cytochromes MtrC and OmcA of <i>Shewanella oneidensis</i> MR-1. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6746-6755.	1.4	89
98	A cryogenic fluorescence spectroscopic study of uranyl carbonate, phosphate and oxyhydroxide minerals. <i>Radiochimica Acta</i> , 2008, 96, 591-598.	0.5	51
99	A spectroscopic study of the effect of ligand complexation on the reduction of uranium(VI) by anthraquinone-2,6-disulfonate (AH ₂ DS). <i>Radiochimica Acta</i> , 2008, 96, 599-605.	0.5	6
100	Influence of calcium on microbial reduction of solid phase uranium(VI). <i>Biotechnology and Bioengineering</i> , 2007, 97, 1415-1422.	1.7	22
101	Adsorption of Uranyl on Gibbsite: A Time-Resolved Laser-Induced Fluorescence Spectroscopy Study. <i>Environmental Science & Technology</i> , 2006, 40, 1244-1249.	4.6	56
102	Kinetics of Microbial Reduction of Solid Phase U(VI). <i>Environmental Science & Technology</i> , 2006, 40, 6290-6296.	4.6	25
103	The dissolution of synthetic Na-boltwoodite in sodium carbonate solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4836-4849.	1.6	30
104	Observation of aqueous Cm(III)/Eu(III) and UO ₂ ²⁺ nanoparticulates at concentrations approaching solubility limit by laser-induced fluorescence spectroscopy. <i>Journal of Alloys and Compounds</i> , 2006, 418, 166-170.	2.8	6
105	c-Type Cytochrome-Dependent Formation of U(IV) Nanoparticles by <i>Shewanella oneidensis</i> . <i>PLoS Biology</i> , 2006, 4, e268.	2.6	310
106	Fluorescence anisotropy studies of molecularly imprinted polymers. <i>Luminescence</i> , 2006, 21, 7-14.	1.5	15
107	The aqueous complexation of thorium with citrate under neutral to basic conditions. <i>Radiochimica Acta</i> , 2006, 94, .	0.5	15
108	Isolation of a High-Affinity Functional Protein Complex between OmcA and MtrC: Two Outer Membrane Decaheme c-Type Cytochromes of <i>Shewanella oneidensis</i> MR-1. <i>Journal of Bacteriology</i> , 2006, 188, 4705-4714.	1.0	227

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109	Hydrogen bubbles and formation of nanoporous silicon during electrochemical etching. <i>Surface and Interface Analysis</i> , 2005, 37, 555-561.	0.8	7
110	The solubility product of $\text{NaUO}_2\text{PO}_4 \cdot x\text{H}_2\text{O}$ determined in phosphate and carbonate solutions. <i>Radiochimica Acta</i> , 2005, 93, 401-408.	0.5	23
111	Complexation of Cm(III)/Eu(III) with silicates in basic solutions. <i>Radiochimica Acta</i> , 2005, 93, 741-748.	0.5	11
112	Reoxidation of Bio-reduced Uranium under Reducing Conditions. <i>Environmental Science & Technology</i> , 2005, 39, 6162-6169.	4.6	157
113	Cryogenic Laser Induced U(VI) Fluorescence Studies of a U(VI) Substituted Natural Calcite: Implications to U(VI) Speciation in Contaminated Hanford Sediments. <i>Environmental Science & Technology</i> , 2005, 39, 2651-2659.	4.6	73
114	Luminescence from the trans-Dioxotechnetium(V) Chromophore. <i>Journal of the American Chemical Society</i> , 2005, 127, 14978-14979.	6.6	22
115	Fluorescence spectroscopy of U(VI)-silicates and U(VI)-contaminated Hanford sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1391-1403.	1.6	136
116	Influence of Calcite and Dissolved Calcium on Uranium(VI) Sorption to a Hanford Subsurface Sediment. <i>Environmental Science & Technology</i> , 2005, 39, 7949-7955.	4.6	137
117	Carbon Paste Electrode Modified with Carbamoylphosphonic Acid Functionalized Mesoporous Silica: A New Mercury-Free Sensor for Uranium Detection. <i>Electroanalysis</i> , 2004, 16, 870-873.	1.5	46
118	Self-Exchange Electron Transfer Kinetics and Reduction Potentials for Anthraquinone Disulfonate. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3292-3303.	1.1	46
119	Dissolution of uranyl microprecipitates in subsurface sediments at Hanford Site, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4519-4537.	1.6	110
120	Cryogenic Laser Induced Fluorescence Characterization of U(VI) in Hanford Vadose Zone Pore Waters. <i>Environmental Science & Technology</i> , 2004, 38, 5591-5597.	4.6	164
121	Europium Uptake and Partitioning in Oat (<i>Avena sativa</i>) Roots as Studied by Laser-Induced Fluorescence Spectroscopy and Confocal Microscopy Profiling Technique. <i>Environmental Science & Technology</i> , 2003, 37, 5247-5253.	4.6	27
122	Steady-State Fluorescence Anisotropy Studies of Molecularly Imprinted Polymer Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2003, 787, 331.	0.1	0
123	A fluorescence spectroscopic study on the speciation of Cm(III) and Eu(III) in the presence of organic chelates in highly basic solutions. <i>Radiochimica Acta</i> , 2003, 91, 329-338.	0.5	20
124	Thermodynamic model for the solubility of $\text{ThO}_2(\text{am})$ in the aqueous $\text{Na}^+\text{H}^+\text{OH}^-\text{NO}_3^-\text{H}_2\text{O}\text{-EDTA}$ system. <i>Radiochimica Acta</i> , 2003, 91, .	0.5	13
125	Artificial Aging of Phenanthrene in Porous Silicas Using Supercritical Carbon Dioxide. <i>Environmental Science & Technology</i> , 2001, 35, 3707-3712.	4.6	5
126	Spectroscopic Elucidation of Lanthanide Cation Dissolution Mechanism in Borosilicate Glass. <i>Materials Research Society Symposia Proceedings</i> , 2001, 702, 1.	0.1	3

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127	Time-Resolved Fluorescence Anisotropies in Mixed Surfactant Solutions. <i>Journal of Colloid and Interface Science</i> , 1999, 218, 260-264.	5.0	10
128	Spectroscopic study of ion binding in synthetic polyelectrolytes using lanthanide ions. <i>Inorganica Chimica Acta</i> , 1995, 239, 139-143.	1.2	27
129	Quantitative determination of praeosodymium(III)â€“neodymium(III)â€“holmium(III)â€“erbium(III) four-component systems by matrixâ€“fourth derivative spectrophotometry. <i>Analyst, The</i> , 1994, 119, 2463-2466.	1.7	5
130	Luminescence spectroscopic study of europium(III) and terbium(III) with ethylenediamine in dimethyl sulfoxide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2791.	1.1	37
131	Studies on derivative fluorimetry. Part I. Determination of trace amounts of samarium, europium and terbium. <i>Analyst, The</i> , 1987, 112, 1081.	1.7	6