

Zheming Wang

List of Publications by Year in descending order

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131
papers

6,312
citations

71102

41
h-index

76900

74
g-index

136
all docs

136
docs citations

136
times ranked

6134
citing authors

#	ARTICLE	IF	CITATIONS
1	c-Type Cytochrome-Dependent Formation of U(IV) Nanoparticles by <i>Shewanella oneidensis</i> . <i>PLoS Biology</i> , 2006, 4, e268.	5.6	310
2	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.	7.1	301
3	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.	2.4	285
4	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.	2.2	227
5	Identification and Characterization of MtoA: A Decaheme c-Type Cytochrome of the Neutrophilic Fe(II)-Oxidizing Bacterium <i>Sideroxydans lithotrophicus</i> ES-1. <i>Frontiers in Microbiology</i> , 2012, 3, 37.	3.5	186
6	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.	7.1	179
7	A trans-outer membrane porin-cytochrome protein complex for extracellular electron transfer by <i>Geobacter sulfurreducens</i> ...PCA. <i>Environmental Microbiology Reports</i> , 2014, 6, 776-785.	2.4	178
8	Cryogenic Laser Induced Fluorescence Characterization of U(VI) in Hanford Vadose Zone Pore Waters. <i>Environmental Science & Technology</i> , 2004, 38, 5591-5597.	10.0	164
9	Reoxidation of Bioreduced Uranium under Reducing Conditions. <i>Environmental Science & Technology</i> , 2005, 39, 6162-6169.	10.0	157
10	In Situ Infrared Spectroscopic Study of Forsterite Carbonation in Wet Supercritical CO ₂ . <i>Environmental Science & Technology</i> , 2011, 45, 6204-6210.	10.0	153
11	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.	10.0	149
12	Influence of Calcite and Dissolved Calcium on Uranium(VI) Sorption to a Hanford Subsurface Sediment. <i>Environmental Science & Technology</i> , 2005, 39, 7949-7955.	10.0	137
13	Fluorescence spectroscopy of U(VI)-silicates and U(VI)-contaminated Hanford sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1391-1403.	3.9	136
14	Scale-dependent desorption of uranium from contaminated subsurface sediments. <i>Water Resources Research</i> , 2008, 44, .	4.2	123
15	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.	2.2	113
16	Dissolution of uranyl microprecipitates in subsurface sediments at Hanford Site, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4519-4537.	3.9	110
17	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.	12.4	101
18	Facet-Specific Photocatalytic Degradation of Organics by Heterogeneous Fenton Chemistry on Hematite Nanoparticles. <i>Environmental Science & Technology</i> , 2019, 53, 10197-10207.	10.0	101

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19	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.	10.0	98
20	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.	7.1	97
21	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.	3.0	96
22	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.	3.1	89
23	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
24	Size and Morphology Controlled Synthesis of Boehmite Nanoplates and Crystal Growth Mechanisms. <i>Crystal Growth and Design</i> , 2018, 18, 3596-3606.	3.0	82
25	Boehmite and Gibbsite Nanoplates for the Synthesis of Advanced Alumina Products. <i>ACS Applied Nano Materials</i> , 2018, 1, 7115-7128.	5.0	79
26	A thermodynamic model for predicting mineral reactivity in supercritical carbon dioxide: I. Phase behavior of carbon dioxide-water-chloride salt systems across the H ₂ O-rich to the CO ₂ -rich regions. <i>Chemical Geology</i> , 2012, 322-323, 151-171.	3.3	78
27	Effect of co-solutes on the products and solubility of uranium(VI) precipitated with phosphate. <i>Chemical Geology</i> , 2014, 364, 66-75.	3.3	75
28	Hydrogenase and outer membrane cytochrome-facilitated reduction of technetium(VII) by <i>Shewanella oneidensis</i> MR-1. <i>Environmental Microbiology</i> , 2008, 10, 125-136.	3.8	74
29	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.	10.0	73
30	Superior lithium adsorption and required magnetic separation behavior of iron-doped lithium ion-sieves. <i>Chemical Engineering Journal</i> , 2018, 332, 160-168.	12.7	69
31	Effect of phosphate on U(VI) sorption to montmorillonite: Ternary complexation and precipitation barriers. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 86-99.	3.9	68
32	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.	2.5	61
33	Effect of Grain Size on Uranium(VI) Surface Complexation Kinetics and Adsorption Additivity. <i>Environmental Science & Technology</i> , 2011, 45, 6025-6031.	10.0	60
34	Adsorption of Uranyl on Gibbsite: A Time-Resolved Laser-Induced Fluorescence Spectroscopy Study. <i>Environmental Science & Technology</i> , 2006, 40, 1244-1249.	10.0	56
35	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.	10.0	52
36	A cryogenic fluorescence spectroscopic study of uranyl carbonate, phosphate and oxyhydroxide minerals. <i>Radiochimica Acta</i> , 2008, 96, 591-598.	1.2	51

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37	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.	2.9	46
38	Self-Exchange Electron Transfer Kinetics and Reduction Potentials for Anthraquinone Disulfonate. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3292-3303.	2.5	46
39	Continuous, One-pot Synthesis and Post-Synthetic Modification of NanoMOFs Using Droplet Nanoreactors. <i>Scientific Reports</i> , 2016, 6, 36657.	3.3	45
40	Fe ₃ O ₄ Nanoparticles as Tunable Probes of Microbial Metal Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8896-8907.	13.7	43
41	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.	4.6	43
42	Transport of U(VI) through sediments amended with phosphate to induce in situ uranium immobilization. <i>Water Research</i> , 2015, 69, 307-317.	11.3	43
43	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.	6.7	43
44	Uranium Phases in Contaminated Sediments below Hanford's U Tank Farm. <i>Environmental Science & Technology</i> , 2009, 43, 4280-4286.	10.0	42
45	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. <i>Environmental Science & Technology</i> , 2019, 53, 11043-11055.	10.0	42
46	Reductive dissolution of goethite and hematite by reduced flavins. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 139-154.	3.9	41
47	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.	3.9	41
48	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.	10.0	38
49	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.	3.9	38
50	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
51	Phosphate-Induced Immobilization of Uranium in Hanford Sediments. <i>Environmental Science & Technology</i> , 2016, 50, 13486-13494.	10.0	37
52	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.	3.9	36
53	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.	3.9	35
54	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.	2.5	34

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55	Identification and Characterization of UndA _{HRCR-6} , an Outer Membrane Endecaheme <i>c</i> -Type Cytochrome of <i>Shewanella</i> sp. Strain HRCR-6. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5521-5523.	3.1	32
56	Synthesis of 2D Hexagonal Hematite Nanosheets and the Crystal Growth Mechanism. <i>Inorganic Chemistry</i> , 2019, 58, 16727-16735.	4.0	32
57	Dehydration of the Uranyl Peroxide Studite, [UO ₂ ($\dot{\text{I}}$ ² -O ₂)(H ₂ O) ₂] \cdot 2H ₂ 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.	4.0	31
58	The dissolution of synthetic Na-boltwoodite in sodium carbonate solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4836-4849.	3.9	30
59	Inhibition Effect of Secondary Phosphate Mineral Precipitation on Uranium Release from Contaminated Sediments. <i>Environmental Science & Technology</i> , 2009, 43, 8344-8349.	10.0	30
60	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.	4.7	30
61	Spectroscopic study of ion binding in synthetic polyelectrolytes using lanthanide ions. <i>Inorganica Chimica Acta</i> , 1995, 239, 139-143.	2.4	27
62	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.	10.0	27
63	<i>In Situ</i> Synthesis of Al^{III} -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.	6.7	27
64	Kinetics of Microbial Reduction of Solid Phase U(VI). <i>Environmental Science & Technology</i> , 2006, 40, 6290-6296.	10.0	25
65	In-Situ Measurements of Engineered Nanoporous Particle Transport in Saturated Porous Media. <i>Environmental Science & Technology</i> , 2010, 44, 8190-8195.	10.0	25
66	Microbial Reduction of Intragrain U(VI) in Contaminated Sediment. <i>Environmental Science & Technology</i> , 2009, 43, 4928-4933.	10.0	24
67	The solubility product of NaUO ₂ PO ₄ \cdot xH ₂ O determined in phosphate and carbonate solutions. <i>Radiochimica Acta</i> , 2005, 93, 401-408.	1.2	23
68	Atomic Origins of the Self-Healing Function in Cement-Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3011-3019.	8.0	23
69	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.	13.7	23
70	Luminescence from the trans-Dioxotechnetium(V) Chromophore. <i>Journal of the American Chemical Society</i> , 2005, 127, 14978-14979.	13.7	22
71	Influence of calcium on microbial reduction of solid phase uranium(VI). <i>Biotechnology and Bioengineering</i> , 2007, 97, 1415-1422.	3.3	22
72	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.	3.9	21

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73	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.	4.3	21
74	Surface Hydration and Hydroxyl Configurations of Gibbsite and Boehmite Nanoplates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5275-5285.	3.1	21
75	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.	1.2	20
76	Biotic and Abiotic Reduction and Solubilization of Pu(IV)O ₂ ·xH ₂ O(am) as Affected by Anthraquinone-2,6-disulfonate (AQDS) and Ethylenediaminetetraacetate (EDTA). <i>Environmental Science & Technology</i> , 2012, 46, 2132-2140.	10.0	20
77	Excited States and Luminescent Properties of UO ₂ F ₂ and Its Solvated Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2014, 53, 7340-7350.	4.0	20
78	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.	7.1	20
79	Electronic and Molecular Structures of trans-Dioxotechnetium(V) Polypyridyl Complexes in the Solid State. <i>Inorganic Chemistry</i> , 2011, 50, 5815-5823.	4.0	19
80	Transformation of Gibbsite to Boehmite in Caustic Aqueous Solution at Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2019, 19, 5557-5567.	3.0	19
81	The role of surface hydroxyls on the radiolysis of gibbsite and boehmite nanoplatelets. <i>Journal of Hazardous Materials</i> , 2020, 398, 122853.	12.4	18
82	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.	4.0	17
83	Investigation of U(VI) Adsorption in Quartz-Chlorite Mineral Mixtures. <i>Environmental Science & Technology</i> , 2014, 48, 7766-7773.	10.0	16
84	Electrochemistry and Spectroelectrochemistry of Luminescent Europium Complexes. <i>Electroanalysis</i> , 2016, 28, 2109-2117.	2.9	16
85	Fluorescence anisotropy studies of molecularly imprinted polymers. <i>Luminescence</i> , 2006, 21, 7-14.	2.9	15
86	The aqueous complexation of thorium with citrate under neutral to basic conditions. <i>Radiochimica Acta</i> , 2006, 94, .	1.2	15
87	Photophysics and Luminescence Spectroelectrochemistry of [Tc(dmpe) ₃] ⁺² (dmpe = 1,2-bis(dimethylphosphino)ethane). <i>Journal of Physical Chemistry A</i> , 2013, 117, 12749-12758.	2.5	15
88	Scintillation and luminescence in transparent colorless single and polycrystalline bulk ceramic ZnS. <i>Journal of Luminescence</i> , 2015, 157, 416-423.	3.1	15
89	Can Cr(III) substitute for Al(III) in the structure of boehmite?. <i>RSC Advances</i> , 2016, 6, 107628-107637.	3.6	15
90	Uranium Release from Acidic Weathered Hanford Sediments: Single-Pass Flow-Through and Column Experiments. <i>Environmental Science & Technology</i> , 2017, 51, 11011-11019.	10.0	15

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91	Vibrational studies of saccharide-induced lipid film reorganization at aqueous/air interfaces. <i>Chemical Physics</i> , 2018, 512, 104-110.	1.9	15
92	Crystallization and Phase Transformations of Aluminum (Oxy)hydroxide Polymorphs in Caustic Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 9820-9832.	4.0	15
93	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.	3.1	14
94	Long-term kinetics of uranyl desorption from sediments under advective conditions. <i>Water Resources Research</i> , 2014, 50, 855-870.	4.2	14
95	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.	2.5	14
96	Thermodynamic model for the solubility of ThO ₂ (am) in the aqueous Na ⁺ -H ⁺ -OH ⁻ -NO ₃ ⁻ -H ₂ O-EDTA system. <i>Radiochimica Acta</i> , 2003, 91, .	1.2	13
97	Complexation of Cm(III)/Eu(III) with silicates in basic solutions. <i>Radiochimica Acta</i> , 2005, 93, 741-748.	1.2	11
98	Fluorescent Functionalized Mesoporous Silica for Radioactive Material Extraction. <i>Separation Science and Technology</i> , 2012, 47, 1507-1513.	2.5	11
99	Insights into sorption speciation of uranium on phlogopite: Evidence from TRLFS and DFT calculation. <i>Journal of Hazardous Materials</i> , 2022, 427, 128164.	12.4	11
100	Time-Resolved Fluorescence Anisotropies in Mixed Surfactant Solutions. <i>Journal of Colloid and Interface Science</i> , 1999, 218, 260-264.	9.4	10
101	Atmospheric ¹² C-Caryophyllene-Derived Ozonolysis Products at Interfaces. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 158-169.	2.7	10
102	Two-step route to size and shape controlled gibbsite nanoplates and the crystal growth mechanism. <i>CrystEngComm</i> , 2020, 22, 2555-2565.	2.6	10
103	Uranium fate in Hanford sediment altered by simulated acid waste solutions. <i>Applied Geochemistry</i> , 2015, 63, 1-9.	3.0	9
104	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.	10.0	8
105	Surface-Active ¹² C-Caryophyllene Oxidation Products at the Air/Aqueous Interface. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1740-1748.	2.7	8
106	Synthesis and surface spectroscopy of ¹³ C-pinene isotopologues and their corresponding secondary organic material. <i>Chemical Science</i> , 2019, 10, 8390-8398.	7.4	8
107	Radiation-Induced Interfacial Hydroxyl Transformation on Boehmite and Gibbsite Basal Surfaces. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22185-22191.	3.1	8
108	Effect of Cr(III) Adsorption on the Dissolution of Boehmite Nanoparticles in Caustic Solution. <i>Environmental Science & Technology</i> , 2020, 54, 6375-6384.	10.0	8

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109	No Hydrogen Bonding between Water and Hydrophilic Single Crystal MgO Surfaces?. Journal of Physical Chemistry C, 2021, 125, 26132-26138.	3.1	8
110	Hydrogen bubbles and formation of nanoporous silicon during electrochemical etching. Surface and Interface Analysis, 2005, 37, 555-561.	1.8	7
111	Cooperative Adsorption of Trehalose to DPPC Monolayers at the Water–Air Interface Studied with Vibrational Sum Frequency Generation. Journal of Physical Chemistry B, 2019, 123, 8931-8938.	2.6	7
112	Studies on derivative fluorimetry. Part I. Determination of trace amounts of samarium, europium and terbium. Analyst, The, 1987, 112, 1081.	3.5	6
113	Observation of aqueous Cm(III)/Eu(III) and UO ₂ ²⁺ nanoparticulates at concentrations approaching solubility limit by laser-induced fluorescence spectroscopy. Journal of Alloys and Compounds, 2006, 418, 166-170.	5.5	6
114	PowerSlicing to determine fluorescence lifetimes of water-soluble organic matter derived from soils, plant biomass, and animal manures. Analytical and Bioanalytical Chemistry, 2008, 390, 2189-2194.	3.7	6
115	Effect of Saline Waste Solution Infiltration Rates on Uranium Retention and Spatial Distribution in Hanford Sediments. Environmental Science & Technology, 2008, 42, 1973-1978.	10.0	6
116	A spectroscopic study of the effect of ligand complexation on the reduction of uranium(VI) by anthraquinone-2,6-disulfonate (AH ₂ DS). Radiochimica Acta, 2008, 96, 599-605.	1.2	6
117	The surface structure of α -uranophane and its interaction with Eu(III) – An integrated computational and fluorescence spectroscopy study. Geochimica Et Cosmochimica Acta, 2013, 103, 184-196.	3.9	6
118	Molecular Examination of Ion-Pair Competition in Alkaline Aluminate Solutions Using In Situ Liquid SIMS. Analytical Chemistry, 2021, 93, 1068-1075.	6.5	6
119	Quantitative determination of praseodymium(III)–neodymium(III)–holmium(III)–erbium(III) four-component systems by matrix–fourth derivative spectrophotometry. Analyst, The, 1994, 119, 2463-2466.	3.5	5
120	Artificial Aging of Phenanthrene in Porous Silicas Using Supercritical Carbon Dioxide. Environmental Science & Technology, 2001, 35, 3707-3712.	10.0	5
121	A Fluorescence-Based Method for Rapid and Direct Determination of Polybrominated Diphenyl Ethers in Water. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-10.	1.6	5
122	Interdisciplinary Round-Robin Test on Molecular Spectroscopy of the U(VI) Acetate System. ACS Omega, 2019, 4, 8167-8177.	3.5	5
123	Simulation of solute transport through heterogeneous networks: analysis using the method of moments and the statistics of local transport characteristics. Scientific Reports, 2018, 8, 3780.	3.3	4
124	Experimental study of drying effects during supercritical CO ₂ displacement in a pore network. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	4
125	Americium incorporation into studtite: a theoretical and experimental study. Dalton Transactions, 2019, 48, 13057-13063.	3.3	4
126	Study on the Impacts of Capillary Number and Initial Water Saturation on the Residual Gas Distribution by NMR. Energies, 2019, 12, 2714.	3.1	4

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127	Evolution of Radicals from the Photolysis of High Ionic Strength Alkaline Nitrite Solutions. Journal of Physical Chemistry A, 2020, 124, 3019-3025.	2.5	4
128	Spectroscopic Elucidation of Lanthanide Cation Dissolution Mechanism in Borosilicate Glass. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	3
129	Use of Solvatochromism to Assay Preferential Solvation of a Prototypic Catalytic Site. Topics in Catalysis, 2015, 58, 258-270.	2.8	2
130	Identification of Fragile Microscopic Structures during Mineral Transformations in Wet Supercritical CO ₂ . Microscopy and Microanalysis, 2013, 19, 268-275.	0.4	1
131	Steady-State Fluorescence Anisotropy Studies of Molecularly Imprinted Polymer Sensors. Materials Research Society Symposia Proceedings, 2003, 787, 331.	0.1	0