

# Christoph Hennig

## List of Publications by Year in descending order

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155  
papers

6,027  
citations

50276

46  
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167  
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167  
docs citations

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times ranked

4663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexation of Uranium by Cells and S-Layer Sheets of <i>Bacillus sphaericus</i> JG-A12. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5532-5543.	3.1	246
2	Comparative Study of Uranyl(VI) and -(V) Carbonato Complexes in an Aqueous Solution. <i>Inorganic Chemistry</i> , 2007, 46, 4212-4219.	4.0	137
3	An EXAFS study of uranium(VI) sorption onto silica gel and ferrihydrite. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 96, 237-243.	1.7	132
4	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , 2017, 8, 14137.	12.8	128
5	Comparative EXAFS Investigation of Uranium(VI) and -(IV) Aquo Chloro Complexes in Solution Using a Newly Developed Spectroelectrochemical Cell. <i>Inorganic Chemistry</i> , 2005, 44, 6655-6661.	4.0	125
6	Structure of uranium sorption complexes at montmorillonite edge sites. <i>Radiochimica Acta</i> , 2002, 90, 653-657.	1.2	118
7	First Hexanuclear U <sup>IV</sup> and Th <sup>IV</sup> Formate Complexes – Structure and Stability Range in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4771-4775.	2.0	116
8	EXAFS Investigation of U(VI), U(IV), and Th(IV) Sulfato Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2007, 46, 5882-5892.	4.0	114
9	An EXAFS and TRLFS study of the sorption of trivalent actinides onto smectite and kaolinite. <i>Radiochimica Acta</i> , 2004, 92, .	1.2	108
10	New tools for calibrating diffraction setups. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 558-566.	2.4	106
11	Microbacterium isolates from the vicinity of a radioactive waste depository and their interactions with uranium. <i>FEMS Microbiology Ecology</i> , 2007, 59, 694-705.	2.7	104
12	X-ray absorption spectroscopy studies of reactions of technetium, uranium and neptunium with mackinawite. <i>Journal of Environmental Radioactivity</i> , 2004, 74, 211-219.	1.7	103
13	Speciation of Rare-Earth Metal Complexes in Ionic Liquids: A Multiple-Technique Approach. <i>Chemistry - A European Journal</i> , 2009, 15, 1449-1461.	3.3	91
14	The Rossendorf Beam Line ROBL – a dedicated experimental station for XAFS measurements of actinides and other radionuclides. <i>Radiochimica Acta</i> , 2000, 88, 633-638.	1.2	90
15	Electrochemical and Complexation Behavior of Neptunium in Aqueous Perchlorate and Nitrate Solutions. <i>Inorganic Chemistry</i> , 2008, 47, 8294-8305.	4.0	90
16	Emergence of comparable covalency in isostructural cerium(IV) and uranium(IV) – carbon multiple bonds. <i>Chemical Science</i> , 2016, 7, 3286-3297.	7.4	90
17	Uranyl Coordination in Ionic Liquids: The Competition between Ionic Liquid Anions, Uranyl Counterions, and Cl-Anions Investigated by Extended X-ray Absorption Fine Structure and UV-Visible Spectroscopies and Molecular Dynamics Simulations. <i>Inorganic Chemistry</i> , 2007, 46, 4815-4826.	4.0	87
18	Recent advances in the study of the UO <sub>2</sub> -PuO <sub>2</sub> phase diagram at high temperatures. <i>Journal of Nuclear Materials</i> , 2014, 448, 330-339.	2.7	83

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19	Crystal Structure and Solution Species of Ce(III) and Ce(IV) Formates: From Mononuclear to Hexanuclear Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 11734-11743.	4.0	79
20	Speciation and Structural Study of U(IV) and -(VI) in Perchloric and Nitric Acid Solutions. <i>Inorganic Chemistry</i> , 2009, 48, 7201-7210.	4.0	78
21	EXAFS investigation of uranium(VI) complexes formed at <i>Bacillus cereus</i> and <i>Bacillus sphaericus</i> surfaces. <i>Radiochimica Acta</i> , 2001, 89, 625-632.	1.2	77
22	Do Perchlorate and Triflate Anions Bind to the Uranyl Cation in an Acidic Aqueous Medium? A Combined EXAFS and Quantum Mechanical Investigation. <i>ChemPhysChem</i> , 2001, 2, 591-598.	2.1	76
23	Secondary Structure and Pd(II) Coordination in S-Layer Proteins from <i>Bacillus sphaericus</i> Studied by Infrared and X-Ray Absorption Spectroscopy. <i>Biophysical Journal</i> , 2006, 91, 996-1007.	0.5	75
24	Evidence for the Interaction of Technetium Colloids with Humic Substances by X-ray Absorption Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2044-2051.	10.0	74
25	Characterization of U(VI)- <i>Acidithiobacillus ferrooxidans</i> complexes using EXAFS, transmission electron microscopy, and energy-dispersive X-ray analysis. <i>Radiochimica Acta</i> , 2003, 91, 583-592.	1.2	73
26	Structure and stability range of a hexanuclear Th(IV)-glycine complex. <i>Dalton Transactions</i> , 2012, 41, 12818.	3.3	73
27	Colloid-borne forms of tetravalent actinides: A brief review. <i>Journal of Contaminant Hydrology</i> , 2014, 157, 87-105.	3.3	71
28	Formation of Soluble Hexanuclear Neptunium(IV) Nanoclusters in Aqueous Solution: Growth Termination of Actinide(IV) Hydrated Oxides by Carboxylates. <i>Inorganic Chemistry</i> , 2012, 51, 1336-1344.	4.0	68
29	XANES investigation of chemical states of nitrogen in polyaniline. <i>Synthetic Metals</i> , 1998, 92, 161-166.	3.9	66
30	XAS study of (U <sub>1-x</sub> Y <sub>x</sub> )O <sub>2</sub> solid solutions. <i>Journal of Alloys and Compounds</i> , 2007, 444-445, 410-414.	5.5	66
31	Molecular Structure and Electrochemical Behavior of Uranyl(VI) Complex with Pentadentate Schiff Base Ligand: Prevention of Uranyl(V) Cation-Cation Interaction by Fully Chelating Equatorial Coordination Sites. <i>Inorganic Chemistry</i> , 2010, 49, 2349-2359.	4.0	65
32	Solution Species and Crystal Structure of Zr(IV) Acetate. <i>Inorganic Chemistry</i> , 2017, 56, 2473-2480.	4.0	65
33	An X-ray Absorption Spectroscopy Study of Neptunium(V) Reactions with Mackinawite (FeS). <i>Environmental Science &amp; Technology</i> , 2002, 36, 179-183.	10.0	64
34	ROBL-II at ESRF: a synchrotron toolbox for actinide research. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 333-349.	2.4	62
35	The colloid chemistry of acid rock drainage solution from an abandoned Zn-Pb-Ag mine. <i>Applied Geochemistry</i> , 2002, 17, 633-648.	3.0	61
36	Formation of uranium(IV)-silica colloids at near-neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 352-367.	3.9	60

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37	Plutonium incorporation in phosphate and titanate ceramics for minor actinide containment. Journal of Nuclear Materials, 2006, 352, 233-240.	2.7	59
38	Solution coordination chemistry of uranium in the binary UO <sub>2</sub> <sup>2+</sup> -SO <sub>4</sub> <sup>2-</sup> and the ternary UO <sub>2</sub> <sup>2+</sup> -SO <sub>4</sub> <sup>2-</sup> -OH <sup>-</sup> system. Radiochimica Acta, 2000, 88, 559-566.	1.2	57
39	Speciation of Uranyl Nitrate Complexes in Acetonitrile and in the Ionic Liquid 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. European Journal of Inorganic Chemistry, 2007, 2007, 5120-5126.	2.0	57
40	Dissolution of UO <sub>2</sub> , UO <sub>3</sub> and of some lanthanide oxides in BumimTf2N: effect of acid and water and formation of UO <sub>2</sub> (NO <sub>3</sub> ) <sub>3</sub> . Dalton Transactions, 2007, , 4214.	3.3	55
41	Interaction mechanisms of bacterial strains isolated from extreme habitats with uranium. Radiochimica Acta, 2006, 94, 723-729.	1.2	54
42	Coordination of Tetravalent Actinides (An=Th <sup>IV</sup> , U <sup>IV</sup> , Np <sup>IV</sup> ), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6864-6875.	3.3	52
43	Dinuclear complexes of tetravalent cerium in an aqueous perchloric acid solution. Dalton Transactions, 2012, 41, 7190.	3.3	50
44	First Structural Characterization of a Protactinium(V) Single Oxo Bond in Aqueous Media. Inorganic Chemistry, 2005, 44, 9542-9546.	4.0	48
45	Evidence for double-electron excitations in the L <sub>3</sub> -edge x-ray absorption spectra of actinides. Physical Review B, 2007, 75, .	3.2	48
46	Insights into the Mechanism of Extraction of Uranium (VI) from Nitric Acid Solution into an Ionic Liquid by using Tri-n-butyl phosphate. ChemPhysChem, 2015, 16, 2653-2662.	2.1	48
47	Nitrogen K-shell excitations in complex molecules and polypyrrole. Chemical Physics, 1995, 201, 547-555.	1.9	47
48	Structural and spectroscopic studies of the complex [BuMelm] <sub>2</sub> [UCl <sub>6</sub> ] in the solid state and in hydrophobic room temperature ionic liquid [BuMelm][Tf <sub>2</sub> N]. Polyhedron, 2007, 26, 3136-3142.	2.2	46
49	The Sulfate Coordination of Np(IV), Np(V), and Np(VI) in Aqueous Solution. Inorganic Chemistry, 2009, 48, 5350-5360.	4.0	46
50	Sorption of Am(III) onto 6-Line-Ferrihydrite and Its Alteration Products: Investigations by EXAFS. Environmental Science & Technology, 2006, 40, 3522-3528.	10.0	45
51	The Role of Transferrin in Actinide(IV) Uptake: Comparison with Iron(III). Chemistry - A European Journal, 2010, 16, 1378-1387.	3.3	45
52	Species Distribution and Coordination of Uranyl Chloro Complexes in Acetonitrile. Inorganic Chemistry, 2008, 47, 2987-2993.	4.0	43
53	Structures of Plutonium(IV) and Uranium(VI) with N-Dialkyl Amides from Crystallography, X-ray Absorption Spectra, and Theoretical Calculations. Inorganic Chemistry, 2016, 55, 5558-5569.	4.0	43
54	Comparative investigation of the solution species [U(CO <sub>3</sub> ) <sub>5</sub> ] <sup>6-</sup> and the crystal structure of Na <sub>6</sub> [U(CO <sub>3</sub> ) <sub>5</sub> ]. Dalton Transactions, 2010, 39, 3744.	3.3	42

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55	Insights into the sonochemical synthesis and properties of salt-free intrinsic plutonium colloids. <i>Scientific Reports</i> , 2017, 7, 43514.	3.3	42
56	A XAS study of the local environments of cations in (U, Ce)O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , 2003, 312, 103-110.	2.7	40
57	Enhancing cerium and plutonium solubility by reduction in borosilicate glass. <i>Journal of Nuclear Materials</i> , 2006, 352, 182-189.	2.7	40
58	Uranyl Complexation in Fluorinated Acids (HF, HBF <sub>4</sub> , HPF <sub>6</sub> , HTf <sub>2</sub> N): A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2005, 44, 852-861.	4.0	39
59	X-ray Absorption Fine Structures of Uranyl(V) Complexes in a Nonaqueous Solution. <i>Inorganic Chemistry</i> , 2009, 48, 9602-9604.	4.0	39
60	Structure of [UO <sub>2</sub> Cl <sub>4</sub> ] <sup>2-</sup> in Acetonitrile. <i>Inorganic Chemistry</i> , 2005, 44, 7705-7707.	4.0	38
61	Coordination of a Uranium(IV) Sulfate Monomer in an Aqueous Solution and in the Solid State. <i>Inorganic Chemistry</i> , 2008, 47, 1634-1638.	4.0	38
62	Neptunium Carbonato Complexes in Aqueous Solution: An Electrochemical, Spectroscopic, and Quantum Chemical Study. <i>Inorganic Chemistry</i> , 2009, 48, 11779-11787.	4.0	38
63	Combining theoretical chemistry and XANES multi-edge experiments to probe actinide valence states. <i>Comptes Rendus Chimie</i> , 2007, 10, 859-871.	0.5	37
64	Structure of early actinides(V) in acidic solutions. <i>Radiochimica Acta</i> , 2009, 97, 347-353.	1.2	37
65	Competitive Complexation of Nitrates and Chlorides to Uranyl in a Room Temperature Ionic Liquid. <i>Inorganic Chemistry</i> , 2010, 49, 6484-6494.	4.0	36
66	Synthesis of Coffinite, U <sub>3</sub> SiO <sub>4</sub> , and Structural Investigations of U <sub>2</sub> Th(1-x)SiO <sub>4</sub> Solid Solutions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 854-860.	10.0	36
67	Noncentrosymmetric superconductor BeAu. <i>Physical Review B</i> , 2018, 97, .	3.2	33
68	Sorption of Th(IV) onto Iron Corrosion Products: EXAFS Study. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2825-2830.	10.0	32
69	Extreme multi-valence states in mixed actinide oxides. <i>Communications Chemistry</i> , 2019, 2, .	4.5	32
70	The relationship of monodentate and bidentate coordinated uranium(VI) sulfate in aqueous solution. <i>Radiochimica Acta</i> , 2008, 96, 607-611.	1.2	31
71	Conformational Influence of Dithiocarbazinic Acid Bishydrazone Ligands on the Structure of Zinc(II) Complexes: A Comparative XANES Study. <i>Inorganic Chemistry</i> , 1999, 38, 38-43.	4.0	30
72	Complex Formation and Molecular Structure of Neptunyl(VI) and -(V) Acetates. <i>Inorganic Chemistry</i> , 2009, 48, 8803-8810.	4.0	30

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73	Solid-state properties and colloidal stability of thorium(IV)â€“silica nanoparticles. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 103, 197-212.	3.9	30
74	{Np <sub>38</sub> } clusters: the missing link in the largest poly-oxo cluster series of tetravalent actinides. <i>Chemical Communications</i> , 2018, 54, 10060-10063.	4.1	30
75	Thermodynamical and Structural Study of Protactinium(V) Oxalate Complexes in Solution. <i>Inorganic Chemistry</i> , 2010, 49, 9962-9971.	4.0	29
76	EXAFS and DFT Investigations of Uranyl Arsenate Complexes in Aqueous Solution. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2228-2233.	10.0	29
77	Cluster Formation in the Superconducting Complex Intermetallic Compound Be <sub>21</sub> Pt <sub>5</sub> . <i>Accounts of Chemical Research</i> , 2018, 51, 214-222.	15.6	29
78	Structural Determination of Individual Chemical Species in a Mixed System by Iterative Transformation Factor Analysis-Based X-ray Absorption Spectroscopy Combined with UVâˆ“Visible Absorption and Quantum Chemical Calculation. <i>Analytical Chemistry</i> , 2008, 80, 1102-1110.	6.5	28
79	Thermodynamics and Structure of Actinide(IV) Complexes with Nitritotriacetic Acid. <i>Inorganic Chemistry</i> , 2009, 48, 3943-3953.	4.0	28
80	A <sup>23</sup> Na Magic Angle Spinning Nuclear Magnetic Resonance, XANES, and High-Temperature X-ray Diffraction Study of NaUO <sub>3</sub> , Na <sub>4</sub> UO <sub>5</sub> , and Na <sub>2</sub> U <sub>2</sub> O <sub>7</sub> . <i>Inorganic Chemistry</i> , 2014, 53, 375-382.	4.0	28
81	Synthesis of Coordination Polymers of Tetravalent Actinides (Uranium and Neptunium) with a Phthalate or Mellitate Ligand in an Aqueous Medium. <i>Inorganic Chemistry</i> , 2017, 56, 2902-2913.	4.0	28
82	The missing pieces of the PuO <sub>2</sub> nanoparticle puzzle. <i>Nanoscale</i> , 2020, 12, 18039-18048.	5.6	28
83	Influence of substituents on the N K X-ray absorption near-edge structure of pyrrole derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1079-1083.	3.9	27
84	Molecular and atomic analysis of uranium complexes formed by three eco-types of <i>Acidithiobacillus ferrooxidans</i> . <i>Biochemical Society Transactions</i> , 2002, 30, 669-672.	3.4	27
85	Coordination environment of [UO <sub>2</sub> Br <sub>4</sub> ] <sup>2-</sup> in ionic liquids and crystal structure of [Bmim] <sub>2</sub> [UO <sub>2</sub> Br <sub>4</sub> ]. <i>Polyhedron</i> , 2009, 28, 1281-1286.	2.2	27
86	Local Structure in Americium and Californium Hexacyanoferrates â€“ Comparison with Their Lanthanide Analogues. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1560-1569.	2.0	27
87	Manufacturing and characterization of Pd nanoparticles formed on immobilized bacterial cells. <i>Letters in Applied Microbiology</i> , 2006, 43, 39-45.	2.2	26
88	Speciation of technetium and rhenium complexes by in situ XAS-electrochemistry. <i>Radiochimica Acta</i> , 2006, 94, 283-289.	1.2	26
89	Spectroscopic characterization of gold nanoparticles formed by cells and S-layer protein of <i>Bacillus sphaericus</i> JG-A12. <i>Materials Science and Engineering C</i> , 2007, 27, 188-192.	7.3	26
90	First Evidence of a Water-Soluble Plutonium(IV) Hexanuclear Cluster. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3536-3540.	2.0	26

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91	Hydrolysis of Tetravalent Cerium for a Simple Route to Nanocrystalline Cerium Dioxide: An In Situ Spectroscopic Study of Nanocrystal Evolution. <i>Chemistry - A European Journal</i> , 2013, 19, 7348-7360.	3.3	25
92	Ex-Situ Kinetic Investigations of the Formation of the Poly-Oxo Cluster U <sub>38</sub> . <i>Chemistry - A European Journal</i> , 2015, 21, 16654-16664.	3.3	24
93	Characterization of Zn centers in ZSM-5 zeolites with X-ray absorption spectroscopy. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993, 49, 1495-1497.	0.1	22
94	A New Look at the Structural Properties of Trisodium Uranate Na <sub>3</sub> UO <sub>4</sub> . <i>Inorganic Chemistry</i> , 2015, 54, 3552-3561.	4.0	22
95	Structural Characterization of Am(III)- and Pu(III)-DOTA Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 12248-12259.	4.0	22
96	Evidence for the formation of UO <sub>2</sub> (NO <sub>3</sub> ) <sub>4</sub> <sup>2-</sup> in an ionic liquid by EXAFS. <i>Dalton Transactions</i> , 2012, 41, 5476.	3.3	21
97	Perrhenate Complexation by Uranyl in Traditional Solvents and in Ionic Liquids: A Joint Molecular Dynamics/Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3205-3219.	2.6	21
98	EXAFS structural analysis of aqueous uranium(VI) complexes with lignin degradation products. <i>Radiochimica Acta</i> , 2000, 88, 593-598.	1.2	20
99	Comparison of complexed species of Eu in alumina-bound and free polyacrylic acid: A spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 482-490.	9.4	20
100	State of zinc in MFI type zeolites characterized by XANES and EXAFS. <i>Studies in Surface Science and Catalysis</i> , 1995, , 195-202.	1.5	19
101	EXAFS and XRD investigations of zeunerite and meta-zeunerite. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, 37-45.	0.8	17
102	Formation of Neptunium(IV)â€“Silica Colloids at Near-Neutral and Slightly Alkaline pH. <i>Environmental Science &amp; Technology</i> , 2015, 49, 665-671.	10.0	17
103	Ternary <i>M</i>In<sub>2</sub>S<sub>4</sub> (<i>M</i> = Mn, Fe, Co, Ni) Thiospinels â€“ Crystal Structure and Thermoelectric Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1091-1098.	1.2	17
104	The role of aspartyl-rich pentapeptides in comparative complexation of actinide(IV) and iron(III). Part 1. <i>New Journal of Chemistry</i> , 2009, 33, 976.	2.8	16
105	Intrinsic formation of nanocrystalline neptunium dioxide under neutral aqueous conditions relevant to deep geological repositories. <i>Chemical Communications</i> , 2015, 51, 1301-1304.	4.1	16
106	Structural stability and thermoelectric performance of high quality synthetic and natural pyrites (FeS<sub>2</sub>). <i>Dalton Transactions</i> , 2019, 48, 10703-10713.	3.3	16
107	Thermodynamic Study of the Complexation of Protactinium(V) with Diethylenetriaminepentaacetic Acid. <i>Inorganic Chemistry</i> , 2013, 52, 7497-7507.	4.0	15
108	The interaction of <i>Desulfovibrio</i> sp. DSM 10631T with plutonium. <i>Radiochimica Acta</i> , 2006, 94, 815-824.	1.2	14

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109	Oxyhydroxy Silicate Colloids: A New Type of Waterborne Actinide(IV) Colloids. ChemistryOpen, 2016, 5, 174-182.	1.9	14
110	Indium thiospinel $\text{In}_{1-x}\text{S}_4$ structural characterization and thermoelectric properties. Dalton Transactions, 2019, 48, 8350-8360.	3.3	14
111	A Combined Spectroscopic/Molecular Dynamic Study for Investigating a Methyl-Carboxylated PEI as a Potential Uranium Decorporation Agent. Inorganic Chemistry, 2017, 56, 1300-1308.	4.0	13
112	Thermoelectric Properties of Natural Chalcopyrite from Zacatecas, Mexico. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 858-863.	1.2	13
113	Electrochemical behaviour of tetrachloro and tetrabromo uranyl complexes in room temperature ionic liquids. Journal of Electroanalytical Chemistry, 2011, 661, 49-56.	3.8	12
114	Polyethyleneimine methylphosphonate: towards the design of a new class of macromolecular actinide chelating agents in the case of human exposition. Dalton Transactions, 2017, 46, 13869-13877.	3.3	12
115	Is hydroxypyridonate 3,4,3-LI(1,2-HOPO) a good competitor of fetuin for uranyl metabolism?. Metallomics, 2019, 11, 496-507.	2.4	12
116	Identification of hexanuclear Actinide(IV) carboxylates with Thorium, Uranium and Neptunium by EXAFS spectroscopy. Journal of Physics: Conference Series, 2013, 430, 012116.	0.4	11
117	EXAFS analyses of technetium(I) carbonyl complexes stability studies in solutions. Radiochimica Acta, 2000, 88, 239-246.	1.2	10
118	EXAFS as a tool for bond-length determination in the environment of heavy atoms. Journal of Synchrotron Radiation, 2001, 8, 695-697.	2.4	10
119	Crystal structure, phase transition and properties of indium(III) sulfide. Dalton Transactions, 2020, 49, 15903-15913.	3.3	10
120	In situ spectroelectrochemical investigation of Pt(II/IV) oxidation in aqueous solution using X-ray absorption spectroscopy. Inorganica Chimica Acta, 2010, 363, 802-806.	2.4	9
121	Simplest Homoleptic Metal-Centered Tetrahedrons, $[\text{M}(\text{OH})_2]^{2+}$ , in 1-Ethyl-3-methylimidazolium Tetrafluoroborate Ionic Liquid (M = Co, Ni, Cu). Inorganic Chemistry, 2012, 51, 4850-4854.	4.0	9
122	Formation and Aggregation of $\text{ZrO}_2$ Nanoparticles on Muscovite (001). Journal of Physical Chemistry C, 2018, 122, 3865-3874.	3.1	9
123	Uniaxial ferromagnetism of local uranium moments in hexagonal UBeGe. Physical Review B, 2018, 97, .	3.2	9
124	Understanding the local structure of $\text{Eu}^{3+}$ - and $\text{Y}^{3+}$ -stabilized zirconia: insights from luminescence and X-ray absorption spectroscopic investigations. Journal of Materials Science, 2020, 55, 10095-10120.	3.7	9
125	Splitting of the $1s \sim 1\ 3p$ resonance in sulfur K XANES by surroundings in compounds with sulfur-carbon double bond. Chemical Physics, 1993, 178, 349-356.	1.9	8
126	Double photoexcitation involving $p^2$ and $f$ electrons in $L^3L^3$ -edge	3.2	8



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127	Uranylâ€“halide complexation in N,N-dimethylformamide: halide coordination trend manifests hardness of [UO <sub>2</sub> ] <sup>2+</sup> . Dalton Transactions, 2013, 42, 13101.	3.3	8
128	Evidence of Trivalent Am Substitution into U <sub>3</sub> O <sub>8</sub> . Inorganic Chemistry, 2016, 55, 10438-10444.	4.0	8
129	Towards the development of chitosan nanoparticles for plutonium pulmonary decorporation. Dalton Transactions, 2018, 47, 11605-11618.	3.3	8
130	Superconductivity and magnetism in noncentrosymmetric $\text{LaPtGe}$ and $\text{CePtGe}$ . Physical Review B, 2018, 98, .	3.2	7
131	Competitive Adsorption of ZrO <sub>2</sub> Nanoparticle and Alkali Cations (Li <sup>+</sup> â€“Cs <sup>+</sup> ) on Muscovite (001). Langmuir, 2018, 34, 12270-12278.	3.5	7
132	Deciphering the Crystal Structure of a Scarce 1D Polymeric Thorium Peroxo Sulfate. Chemistry - A European Journal, 2019, 25, 9580-9585.	3.3	7
133	Multi-edge X-ray absorption spectroscopy of thorium, neptunium and plutonium hexacyanoferrate compounds. New Journal of Chemistry, 2013, 37, 3003.	2.8	6
134	Structural and thermodynamic investigation of An <sup>IV</sup> Li(O)HOPO. New Journal of Chemistry, 2017, 41, 11291-11298.	2.8	6
135	Interaction of Uranium(VI) with $\hat{1}\pm$ -Amylase and Its Implication for Enzyme Activity. Chemical Research in Toxicology, 2018, 31, 1032-1041.	3.3	6
136	Investigation of the Rhabdite/Kamacite Law of Intergrowth in iron meteorites with the aid of the Kossel technique. Meteoritics and Planetary Science, 1999, 34, 61-66.	1.6	5
137	Double photoexcitation of 2p and 4f electrons in curium. Journal of Electron Spectroscopy and Related Phenomena, 2010, 180, 17-20.	1.7	5
138	Neptunium characterization in uranium dioxide fuel: Combining a XAFS and a thermodynamic approach. Journal of Alloys and Compounds, 2016, 662, 448-454.	5.5	5
139	Two-gap superconductivity in Ag <sub>1-x</sub> Mo <sub>6</sub> S <sub>8</sub> Chevrel phase. Journal of Physics Condensed Matter, 2017, 29, 495603.	1.8	5
140	Peculiar Thermal Behavior of UO <sub>2</sub> Local Structure. Inorganic Chemistry, 2018, 57, 14890-14894.	4.0	5
141	Characterization of uranium (VI) complexes formed by different bacteria relevant to uranium mining waste piles. , 2002, , 505-512.		5
142	Oxidation of Micro- and Nanograined UO <sub>2</sub> Pellets by In Situ Synchrotron X-ray Diffraction. Inorganic Chemistry, 2022, 61, 1843-1850.	4.0	5
143	Structural and electrochemical studies on uranyl(VI) complex with pentadentate Schiff base ligand: A guide to stable uranyl(V). IOP Conference Series: Materials Science and Engineering, 2010, 9, 012030.	0.6	4
144	Polyethyleneimine methylenecarboxylate: a macromolecular DTPA analogue to chelate plutonium( <sup>iv</sup> /scp). Chemical Communications, 2018, 54, 11705-11708.	4.1	4

#	ARTICLE	IF	CITATIONS
145	Sc <sub>3</sub> Ir <sub>4</sub> Si <sub>13</sub> and Sc <sub>4</sub> Ir <sub>7</sub> Ge <sub>6</sub> the perovskite-related crystal structures. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 313-323.	0.8	3
146	Immobilization of radiotoxic elements with Y <sup>3+</sup> -stabilized zirconia: The thorium case. Journal of the American Ceramic Society, 2022, 105, 5975-5983.	3.8	3
147	Splitting of the 1s~13p resonance at the sulfur atom in planar sulfur gold complexes. Physica B: Condensed Matter, 1995, 208-209, 62-64.	2.7	2
148	A comparative study of actinide complexation in three ligand systems with increasing complexity. Journal of Physics: Conference Series, 2009, 190, 012185.	0.4	2
149	Molecular solids of actinide hexacyanoferrate: Structure and bonding. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012026.	0.6	2
150	Short note on the hydrolysis and complexation of neptunium(IV) in HEPES solution. Radiochimica Acta, 2013, 101, 367-372.	1.2	2
151	How Do Actinyls Interact with Hyperphosphorylated Yolk Protein Phosvitin?. Chemistry - A European Journal, 2019, 25, 12332-12341.	3.3	2
152	Polar Structure Formation in Solid Solution of Strontium-Substituted Fluorapatite-Gelatin Composites: From Structural and Morphogenetic Aspects to Pyroelectric Properties. Chemistry of Materials, 2020, 32, 8619-8632.	6.7	2
153	Combining EXAFS and XRay Powder Diffraction to Solve Structures Containing Heavy Atoms. Physica Scripta, 2005, , 352.	2.5	1
154	Molecular Characterization of Actinide Oxocations from Protactinium to Plutonium. AIP Conference Proceedings, 2007, , .	0.4	1
155	Uranyl Complexation in Fluorinated Acids (HF, HBF <sub>4</sub> , HPF <sub>6</sub> , HTf <sub>2</sub> N): A Combined Experimental and Theoretical Study.. ChemInform, 2005, 36, no.	0.0	0