Lynda Soderholm

List of Publications by Year
in descending order

260 papers	11,858 citations	38742 50 h-index	33894 99 g-index
310 all docs	310 docs citations	310 times ranked	6079 citing authors

#	Article	IF	Citations
1	Oxygen ordering and the orthorhombic-to-tetragonal phase transition inYBa2Cu3O7â^'x. Physical Review B, 1987, 36, 3608-3616.	3.2	1,123
2	Structure of the singleâ€phase highâ€temperature superconductor YBa2Cu3O7â^Î´. Applied Physics Letters, 1987, 51, 57-59.	3.3	660
3	Superconducting phase ofLa2CuO4+Î´: A superconducting composition resulting from phase separation. Physical Review B, 1988, 38, 11337-11345.	3.2	575
4	Incorporation of Pr in YBa2Cu3O7â^Î´: electronic effects on superconductivity. Nature, 1987, 328, 604-605.	27.8	510
5	Structure and crystal chemistry of the high-Tc superconductor YBa2Cu3O7â^'x. Nature, 1987, 327, 310-312.	27.8	385
6	Mechanisms of Metal Ion Transfer into Room-Temperature Ionic Liquids:â€‰ The Role of Anion Exchange. Journal of the American Chemical Society, 2003, 125, 15466-15473.	13.7	366
7	Solution and Solid-State Structural Chemistry of Actinide Hydrates and Their Hydrolysis and Condensation Products. Chemical Reviews, 2013, 113, 944-994.	47.7	310
8	Actinyl Peroxide Nanospheres. Angewandte Chemie - International Edition, 2005, 44, 2135-2139.	13.8	255
9	Structural phase transition in YBa2Cu3O7â^Î´: the role of dimensionality for high temperature superconductivity. Solid State Communications, 1987, 63, 385-388.	1.9	220
10	Tetravalent Uranium in Calcite. , 1998, 281, 971-973.		184
11	The Structure of the Plutonium Oxide Nanocluster [Pu₃₈O₅₆Cl₅₄(H₂O)₈]^{14â^'}. Angewandte Chemie - International Edition, 2008, 47, 298-302.	13.8	179
12	Crystal-field splittings and magnetic properties ofPr3+andNd3+inRBa2Cu3O7. Physical Review B, 1991, 43, 7923-7935.	3.2	173
13	Phase diagram and superconductivity in the Yâ€Baâ€Cuâ€O system. Applied Physics Letters, 1987, 50, 1688-1690	3.3	148
14	Electronic and magnetic properties of rare-earth ions in REBa2Cu3O7-x (RE=Dy, Ho, Er). Journal of Magnetism and Magnetic Materials, 1987, 68, L139-L144.	2.3	137
15	The Curium Aqua Ion. Inorganic Chemistry, 2007, 46, 3485-3491.	4.0	136
16	Determination of valence of Cu in superconductingLa2â^'x(Sr,Ba)xCuO4. Physical Review B, 1987, 35, 7199-7202.	3.2	135
17	Neptunium redox speciation. Radiochimica Acta, 2001, 89, .	1.2	130
18	Thorium(IV) Molecular Clusters with a Hexanuclear Th Core. Inorganic Chemistry, 2011, 50, 9696-9704.	4.0	127

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19	Experimental Coordination Environment of Uranyl(VI) in Aqueous Solution. Journal of Physical Chemistry A, 2004, 108, 2733-2739.	2.5	125
20	Preparation of Biâ€Srâ€Caâ€Cuâ€O superconductors from oxideâ€glass precursors. Applied Physics Letters, 1988, 53, 423-425.	3.3	118
21	In situ studies of a platform for metastable inorganic crystal growth and materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10922-10927.	7.1	118
22	Unusual structure, bonding and properties in a californium borate. Nature Chemistry, 2014, 6, 387-392.	13.6	110
23	Determination of actinide speciation in solution using high-energy X-ray scattering. Analytical and Bioanalytical Chemistry, 2005, 383, 48-55.	3.7	106
24	Polymorphs of Ln2MoO6: A Neutron Diffraction Investigation of the Crystal Structures of La2MoO6 and Tb2MoO6. Chemistry of Materials, 1995, 7, 333-340.	6.7	94
25	The oxidation state of Pr in PrBa2Cu3O7. Journal of Solid State Chemistry, 1989, 81, 121-128.	2.9	90
26	Crystal field properties of f-electron states in RBa2Cu3O7for R=Ho, Nd and Pr. Journal of Physics Condensed Matter, 1991, 3, 49-67.	1.8	83
27	Structures of Dimeric Hydrolysis Products of Thorium. Inorganic Chemistry, 2007, 46, 2368-2372.	4.0	81
28	Structure of the Homoleptic Thorium(IV) Aqua Ion [Th(H₂O)₁₀]Br₄. Angewandte Chemie - International Edition, 2007, 46, 8043-8045.	13.8	78
29	An iron-dependent and transferrin-mediated cellular uptake pathway for plutonium. Nature Chemical Biology, 2011, 7, 560-565.	8.0	76
30	Cs+-Selective Ion Exchange and Magnetic Ordering in a Three-Dimensional Framework Uranyl Vanadium(IV) Phosphate. Chemistry of Materials, 2007, 19, 132-134.	6.7	74
31	Plutonium(IV) Cluster with a Hexanuclear [Pu6(OH)4O4]12+ Core. Inorganic Chemistry, 2013, 52, 6770-6772.	4.0	74
32	Separation of Plutonium Oxide Nanoparticles and Colloids. Angewandte Chemie - International Edition, 2011, 50, 11234-11237.	13.8	73
33	Raman scattering from high-Tcsuperconductors. Physical Review B, 1988, 37, 5142-5147.	3.2	70
34	Short-range and long-range order of phyllomanganate nanoparticles determined using high-energy X-ray scattering. Journal of Applied Crystallography, 2013, 46, 193-209.	4.5	70
35	Synthesis, Structure, and Magnetism of Np2O5. Journal of the American Chemical Society, 2007, 129, 2760-2761.	13.7	68
36	The Coordination Geometry of Np(VII) in Alkaline Solution. Journal of the American Chemical Society, 2001, 123, 4346-4347.	13.7	67

#	Article	IF	Citations
37	A Comparison of Neptunyl(V) and Neptunyl(VI) Solution Coordination: The Stability of Cationâ"Cation Interactions. Inorganic Chemistry, 2008, 47, 4591-4595.	4.0	67
38	Neptunium Diverges Sharply from Uranium and Plutonium in Crystalline Borate Matrixes: Insights into the Complex Behavior of the Early Actinides Relevant to Nuclear Waste Storage. Angewandte Chemie - International Edition, 2010, 49, 1263-1266.	13.8	67
39	Observation of a Rare Earth Ionâ€"Extractant Complex Arrested at the Oilâ€"Water Interface During Solvent Extraction. Journal of Physical Chemistry B, 2014, 118, 10662-10674.	2.6	64
40	Thorium(IV)â€"Selenate Clusters Containing an Octanuclear Th(IV) Hydroxide/Oxide Core. Inorganic Chemistry, 2012, 51, 4239-4249.	4.0	63
41	Tetravalent Ce in the Nitrate-Decorated Hexanuclear Cluster [Ce₆(Î¼₃-O)₄(Î¼₃-OH)₄]¹²⁺: A Structural End Point for Ceria Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 5810-5818.	3.1	62
42	Title is missing!. Journal of Applied Electrochemistry, 1997, 27, 784-792.	2.9	61
43	Cerium Valence in Cerium-Exchanged Preyssler's Heteropolyanion through X-ray Absorption Near-Edge Structure. Inorganic Chemistry, 1994, 33, 5988-5993.	4.0	59
44	XANES Spectroelectrochemistry:â€‰ A New Method for Determining Formal Potentials. Analytical Chemistry, 1999, 71, 4622-4628.	6.5	59
45	Berkelium redox speciation. Radiochimica Acta, 2002, 90, 851-856.	1.2	56
46	An EXAFS study of the metallofullerene YC82: is the yttrium inside the cage?. The Journal of Physical Chemistry, 1992, 96, 7153-7156.	2.9	55
47	Crystal Structures and Magnetic Properties of NaK3(NpO2)4(SO4)4(H2O)2and NaNpO2SO4H2O:Â Cationâ"Cation Interactions in a Neptunyl Sulfate Framework. Chemistry of Materials, 2006, 18, 1643-1649.	6.7	54
48	Understanding the Role of Aqueous Solution Speciation and Its Application to the Directed Syntheses of Complex Oxidic Zr Chlorides and Sulfates. Journal of the American Chemical Society, 2013, 135, 14240-14248.	13.7	54
49	Understanding Fluxes as Media for Directed Synthesis: In Situ Local Structure of Molten Potassium Polysulfides. Journal of the American Chemical Society, 2012, 134, 9456-9463.	13.7	53
50	X-ray excited optical luminescence (XEOL) detection of x-ray absorption fine structure (XAFS). Journal of Chemical Physics, 1998, 109, 6745-6752.	3.0	52
51	Hydrothermal Synthesis, Structure, and Magnetic Properties of the Mixed-Valent Np(IV)/Np(V) Selenite Np(NpO2)2(SeO3)3. Inorganic Chemistry, 2004, 43, 958-963.	4.0	52
52	Structural Correspondence between Uranyl Chloride Complexes in Solution and Their Stability Constants. Journal of Physical Chemistry A, 2011, 115, 4959-4967.	2.5	51
53	Understanding the Ligand-Directed Assembly of a Hexanuclear ThIVMolecular Cluster in Aqueous Solution. European Journal of Inorganic Chemistry, 2013, 2013, 4159-4163.	2.0	50
54	The Speciation of Uranium in a Smectite Clay: Evidence for Catalysed Uranyl Reduction. Radiochimica Acta, 1997, 76, 113-122.	1.2	49

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55	Charge distributions and valency in copper oxide crystals related to superconductivity. Journal of Chemical Physics, 1989, 91, 2983-2992.	3.0	48
56	X-ray Studies of Interfacial Strontiumâ€“Extractant Complexes in a Model Solvent Extraction System. Journal of Physical Chemistry B, 2014, 118, 12486-12500.	2.6	47
57	Structure of the UO22+â^'SO42-Ion Pair in Aqueous Solution. Inorganic Chemistry, 2004, 43, 2422-2426.	4.0	46
58	Structures and Energetics of Erbium Chloride Complexes in Aqueous Solution. Journal of Physical Chemistry A, 2009, 113, 6391-6397.	2.5	46
59	The synthesis and characterization of CmBa2Cu3O7. Physica C: Superconductivity and Its Applications, 1989, 161, 252-256.	1.2	45
60	Theoretical calculations of x-ray-absorption spectra of copper inLa2CuO4and related oxide compounds. Physical Review B, 1990, 41, 82-95.	3.2	44
61	Plutonium(IV) polymers in aqueous and organic media. Inorganic Chemistry, 1990, 29, 1902-1907.	4.0	43
62	Spectroscopic and Energetic Properties of Thorium(IV) Molecular Clusters with a Hexanuclear Core. Journal of Physical Chemistry A, 2012, 116, 6917-6926.	2.5	43
63	Cationâ^'Cation Interactions and Antiferromagnetism in Na[Np(V)O2(OH)2]:â€‰ Synthesis, Structure, and Magnetic Properties. Chemistry of Materials, 2007, 19, 280-285.	6.7	42
64	An Open-Framework Thorium Sulfate Hydrate with 11.5 Ã... Voids. Inorganic Chemistry, 2008, 47, 9321-9326.	4.0	42
65	The magnetic susceptibility of Pr4+ in BaPrO3: Evidence of long-range magnetic order. Journal of Solid State Chemistry, 1988, 76, 178-185.	2.9	40
66	Oxidation state of Ce inPb2Sr2Ce1â^'xCaxCu3O8. Physical Review B, 1996, 53, 920-926.	3.2	39
67	Magnetic isolation of Gd in superconductingGdBa2Cu3O7â^'Î´. Physical Review B, 1987, 36, 8910-8913.	3.2	38
68	Changing Hafnium Speciation in Aqueous Sulfate Solutions: A High-Energy X-ray Scattering Study. Inorganic Chemistry, 2014, 53, 6321-6328.	4.0	38
69	Inelastic-neutron-scattering study of theEr3+energy levels inErBa2Cu3O7. Physical Review B, 1992, 45, 10062-10070.	3.2	37
70	A U(V) Chalcogenide:â€‰ Synthesis, Structure, and Characterization of K₂Cu₃US₅. Inorganic Chemistry, 2007, 46, 6992-6996.	4.0	36
71	Tetraalkylammonium Uranyl Isothiocyanates. Inorganic Chemistry, 2012, 51, 11798-11804.	4.0	36
72	Rare-earth energy levels inNd2CuO4,Pr2CuO4, and the electron superconductorPr1.85Ce0.15CuO4. Physical Review B, 1993, 48, 14001-14004.	3.2	34

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73	Cationâ€“Cation Interactions: Crystal Structures of Neptunyl(V) Selenate Hydrates, (NpO₂)₂(SeO₄)(H₂O)_n (n =) Tj ET Q q 1 1 0.784314 rg BT	4.0	34
74	Aqueous Hafnium Sulfate Chemistry: Structures of Crystalline Precipitates. Inorganic Chemistry, 2014, 53, 11252-11260.	4.0	34
75	Crystalâ€field excitations and magnetic properties of TmPO4. Journal of Chemical Physics, 1993, 98, 4214-4222.	3.0	33
76	Perspective: Toward â€œsynthesis by designâ€: Exploring atomic correlations during inorganic materials synthesis. APL Materials, 2016, 4, 053212.	5.1	33
77	Influence of Countercation Hydration Enthalpies on the Formation of Molecular Complexes: A Thoriumâ€“Nitrate Example. Journal of the American Chemical Society, 2017, 139, 18003-18008.	13.7	33
78	Tb oxidation state and hybridization inY0.9Tb0.1Ba2Cu3O7â^'Î´(Î´=0.02, 0.84): A magnetic-susceptibility and x-ray-absorption study. Physical Review B, 1994, 50, 7085-7091.	3.2	31
79	Redox behavior of cerium in heteropolyoxotungstate complexes. Journal of the Chemical Society Dalton Transactions, 1999, , 3825-3830.	1.1	31
80	Coordination of Actinide Ions in Wellsâ^'Dawson Heteropolyoxoanion Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 2663-2669.	2.0	31
81	The relationship of monodentate and bidentate coordinated uranium(VI) sulfate in aqueous solution. Radiochimica Acta, 2008, 96, 607-611.	1.2	31
82	Synthesis and Characterization of Thorium(IV) Sulfates. Inorganic Chemistry, 2011, 50, 8621-8629.	4.0	31
83	Three New Sodium Neptunyl(V) Selenate Hydrates: Structures, Raman Spectroscopy, and Magnetism. Inorganic Chemistry, 2012, 51, 3220-3230.	4.0	31
84	Preparation, Stability, and Structural Characterization of Plutonium(VII) in Alkaline Aqueous Solution. Inorganic Chemistry, 2012, 51, 5274-5281.	4.0	31
85	Comparison of the Cation Valence and Coordination in Ce2UO6and Ce2MoO6. Chemistry of Materials, 1996, 8, 2673-2680.	6.7	30
86	Two New Neptunyl(V) Selenites: A Novel Cationâ€“Cation Interaction Framework in (NpO₂)₃(OH)(SeO₃)(H₂O)₂Â·H₂O and a Uranophane-Type Sheet in Na(NpO₂)(SeO₃)(H₂O). Inorganic Chemistry, 2011, 50, 6297-6303.	4.0	30
87	Synthesis of the new organic metal bis[bis(ethylenedithio)tetrathiafulvalene] tricyanomethanide and characterization of its metal-insulator phase transition at .apprx.180 K. Inorganic Chemistry, 1989, 28, 150-154.	4.0	29
88	The superconductor-related oxides Cm2CuO4 and Cm1.83Th0.17CuO4. Physica C: Superconductivity and Its Applications, 1991, 179, 440-446.	1.2	29
89	Rare-earth energy levels and magnetic properties of HoPO4and ErPO4. Journal of Physics Condensed Matter, 1993, 5, 5121-5140.	1.8	29
90	Temperature variation of the structural parameters in actinide tetrafluorides. Journal of Chemical Physics, 1994, 101, 9333-9337.	3.0	29

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91	Effect of Surface Modification on the Interlayer Chemistry of Iron in a Smectite Clay. Chemistry of Materials, 1998, 10, 559-566.	6.7	29
92	Isolation of Intermediate-Valent Ce(III)/Ce(IV) Hydrolysis Products in the Preparation of Cerium Iodates:Â Electronic and Structural Aspects of Ce2(IO3)6(OHx) (xâ‰ˆ 0 and 0.44). Chemistry of Materials, 2004, 16, 1343-1349.	6.7	29
93	Coordination and Valence of Europium in the Heteropolyanion [EuP5W30O110]12-. The Journal of Physical Chemistry, 1995, 99, 9611-9616.	2.9	28
94	The synthesis and characterization of the superconductor-related compound Pb2Sr2AmCu3O8. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1996, 101, 539-545.	1.1	28
95	Implications of the unusual redox behavior exhibited by the heteropolyanion [EuP5W30O110]12â". Journal of Alloys and Compounds, 1997, 250, 541-543.	5.5	28
96	Redox Chemistry of Actinide Ions in Wellsâ"Dawson Heteropolyoxoanion Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 2929-2936.	2.0	28
97	Oxidation State of Uranium in A₆Cu₁₂U₂S₁₅ (A = K, Rb,) Tj ETQq1 1 0.784314 rgB	4.0	28
98	Sorption of tetravalent thorium on muscovite. Geochimica Et Cosmochimica Acta, 2012, 88, 66-76.	3.9	28
99	Comparative CHARMM and AMOEBA Simulations of Lanthanide Hydration Energetics and Experimental Aqueous-Solution Structures. Journal of Chemical Theory and Computation, 2018, 14, 1781-1790.	5.3	28
100	Multiple-scattering approach to theM-edge x-ray-absorption spectra ofUO2andUCl4. Physical Review B, 1989, 39, 6125-6139.	3.2	27
101	Ground-state wave functions ofTb3+ions in paramagneticTbPO4: A neutron scattering study. Physical Review B, 1993, 48, 6124-6131.	3.2	27
102	The electronic properties of Ce in CeFe4P12. Journal of Alloys and Compounds, 1994, 207-208, 161-164.	5.5	27
103	Adsorption of Plutonium Oxide Nanoparticles. Langmuir, 2012, 28, 2620-2627.	3.5	27
104	Surface-Mediated Formation of Pu(IV) Nanoparticles at the Muscovite-Electrolyte Interface. Environmental Science & Technology, 2013, 47, 14178-14184.	10.0	27
105	PDF analysis of ferrihydrite: Critical assessment of the under-constrained akdalaite model. American Mineralogist, 2014, 99, 102-108.	1.9	27
106	Experimental study of neptunyl adsorption onto Bacillus subtilis. Geochimica Et Cosmochimica Acta, 2005, 69, 4837-4844.	3.9	26
107	Characterizing solution and solid-phase amorphous uranyl silicates. Geochimica Et Cosmochimica Acta, 2008, 72, 140-150.	3.9	26
108	Th₃[Th₆(OH)₄O₄(H₂O)₆](SO₄)<sub>12</s A Self-Assembled Microporous Open-Framework Thorium Sulfate. Inorganic Chemistry, 2016, 55, 10098-10101.	4.0	26

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109	Molecular-orbital cluster calculations on MBa2Cu3O7 for M = Y, Pr, Nd, Ho and Cm. Physica C: Superconductivity and Its Applications, 1990, 171, 528-536.	1.2	25
110	Crystal field excitations in RE2CuO4 (REî—¼Pr, Nd). Journal of Alloys and Compounds, 1992, 181, 241-247.	5.5	25
111	Quadrupolar effects in the temperature dependence of the lattice parameters ofHoP1â˜xVxO4. Physical Review B, 1995, 51, 5644-5648.	3.2	25
112	X-ray Reflectivity Reveals a Nonmonotonic Ion-Density Profile Perpendicular to the Surface of ErCl₃ Aqueous Solutions. Journal of Physical Chemistry C, 2013, 117, 19082-19090.	3.1	25
113	A novel nonanuclear hafnium oxideâ€“hydroxideâ€“sulphate cluster crystallised from aqueous solution. Chemical Communications, 2014, 50, 997-999.	4.1	25
114	EXAFS studies of cesium complexation by dibenzo-crown ethers in tri-n-butyl phosphate. Inorganica Chimica Acta, 1997, 255, 13-20.	2.4	24
115	Low-energy magnetic response and Yb valence in the Kondo insulatorYbB12. Physical Review B, 2001, 63, .	3.2	24
116	Energetics of the Preyssler anion's molecular orbitals: quantifying the effect of the encapsulated-cation's charge. Dalton Transactions, 2004, , 3562.	3.3	24
117	The magnetic behavior of trivalent americium compounds. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 597-598.	2.3	23
118	Structure and magnetic properties of the high-Tcrelated phaseCm2CuO4. Physical Review B, 1999, 60, 4302-4308.	3.2	23
119	Valence determination as a function of doping inPrBa2Cu3O7. Physical Review B, 2000, 61, 1548-1554.	3.2	23
120	A unique coordination environment for an ion: EXAFS studies and bond valence model approach of the encapsulated cation in the Preyssler anion. Dalton Transactions, 2004, , 801.	3.3	23
121	Dichalcogenide Bonding in Seven Alkali-Metal Actinide Chalcogenides of the KTh₂Se₆ Structure Type. Inorganic Chemistry, 2010, 49, 8381-8388.	4.0	23
122	Redox behavior of europium in the preyssler heteropolyanion [EuP5W30O110 12-. Journal of Cluster Science, 1996, 7, 585-591.	3.3	22
123	Local environments of erbium and lutetium in sodium silicate glasses. Journal of Alloys and Compounds, 1997, 250, 536-540.	5.5	22
124	Correlated Electrons in the Eu-Exchanged Preyssler Anion [EuP5W30O110]n-. Journal of the American Chemical Society, 2002, 124, 7290-7291.	13.7	22
125	Uranium(VI) Adopts a Tetraoxido Core. European Journal of Inorganic Chemistry, 2009, 2009, 4039-4042.	2.0	22
126	Quaternary Neptunium Compounds: Syntheses and Characterization of KCuNpS₃, RbCuNpS₃, CsCuNpS₃, KAgNpS₃, and CsAgNpS₃. Inorganic Chemistry, 2009, 48, 11513-11517.	4.0	22

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127	F-electron localization/delocalization phenomena in PrBa2Cu3O7 and CmBa2Cu3O7. Physica B: Condensed Matter, 1990, 163, 655-658.	2.7	21
128	Oxidation state and magnetic properties ofPb2Sr2Tb1â˜'xYxCu3O8. Physical Review B, 1995, 52, 9736-9745.	3.2	21
129	Anomalous temperature dependence of the lattice parameters in HoPO4 and HoVO4: rare earth quadrupolar effects. Journal of Alloys and Compounds, 1995, 225, 595-598.	5.5	21
130	Crystal-field excitations and magnetic properties ofHo3+inHoVO4. Physical Review B, 1995, 51, 12451-12457.	3.2	21
131	Syntheses, Structures, Magnetic Properties, and X-ray Absorption Spectra of Carnotite-type Uranyl Chromium(V) Oxides:Â A[(UO2)2Cr2O8](H2O)n(A = K2, Rb2, Cs2, Mg;n= 0, 4). Chemistry of Materials, 2004, 16, 1384-1390.	6.7	21
132	Structural Studies Coupling X-ray Diffraction and High-Energy X-ray Scattering in the UO22+â€"HBraqSystem. Inorganic Chemistry, 2011, 50, 10748-10754.	4.0	21
133	Single-crystal structures of uranium and neptunium oxychalcogenides AnOQ (An=U, Np; Q=S, Se). Journal of Solid State Chemistry, 2010, 183, 547-550.	2.9	20
134	The magnetic behavior of Sf6 ions Am3+ and Cm4+. Journal of the Less Common Metals, 1987, 133, 77-85.	0.8	19
135	Valence determination in high Tc oxide superconductors by XANES and MÃ¶ssbauer spectroscopy. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1988, 150, 74-79.	0.9	19
136	The effect of f-ion valence on superconductivity in the series Pb2Sr2RCu3O8 (R=Ce, Pr, Tb and Am). Journal of Alloys and Compounds, 1997, 250, 623-626.	5.5	19
137	A new approach to determining the charge distribution in copper compounds. Journal of Physics Condensed Matter, 1989, 1, 6463-6468.	1.8	18
138	Curium (Z î—» 96) as a probe for studying high Tc superconductivity. Journal of Alloys and Compounds, 1992, 181, 13-22.	5.5	18
139	Synthesis and characterization of actinide-exchanged Preyssler heteropolyanions [AnP5W30O110]nâ˜' (Anâ‰¡Th, Am, Cm). Journal of Alloys and Compounds, 1998, 271-273, 846-849.	5.5	18
140	The formation and stability of [EuP5W30O110]12â˜' and [AmP5W30O110]12â˜'. Journal of Alloys and Compounds, 2000, 303-304, 509-513.	5.5	18
141	Temperature dependence of the crystal structure and charge ordering inYb4As3. Physical Review B, 2005, 71, .	3.2	18
142	Two Dihydroxo-Bridged Plutonium(IV) Nitrate Dimers and Their Relevance to Trends in Tetravalent Ion Hydrolysis and Condensation. Inorganic Chemistry, 2015, 54, 10192-10196.	4.0	18
143	Preparation, chemical reactions, and some physical properties of neptunium pentafluoride. Journal of Alloys and Compounds, 1993, 194, 133-137.	5.5	17
144	Experiments on transuranium compounds with X-ray resonant exchange scattering. Physica B: Condensed Matter, 1999, 262, 125-140.	2.7	17

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145	Studies of local structure of Cm3+ in borosilicate glass using laser and x-ray spectroscopic methods and computational modeling. Journal of Chemical Physics, 2000, 112, 1489-1496.	3.0	17
146	The Structure and Synthesis of Plutonium(III) Chlorides from Aqueous Solution. Inorganic Chemistry, 2006, 45, 8483-8485.	4.0	17
147	X-ray Absorption Spectroscopy of the Actinides. , 2008, , 3086-3198.		17
148	121Sb MÃ¶ssbauer spectroscopy in stage 2-SbCl5 intercalated graphite. Solid State Communications, 1984, 49, 223-227.	1.9	16
149	Is the isotope effect absent inYBa2Cu3O7âˆ'Î?. Physical Review Letters, 1988, 60, 752-752.	7.8	16
150	Nanoscale Critical Phenomena in a Complex Fluid Studied by X-Ray Photon Correlation Spectroscopy. Physical Review Letters, 2020, 125, 125504.	7.8	16
151	Neutron Diffraction Studies of High T_C Superconductors. Materials Research Society Symposia Proceedings, 1987, 99, 9.	0.1	15
152	Rare earth energy levels and magnetic properties of DyPo4. Journal of Alloys and Compounds, 1994, 207-208, 165-169.	5.5	15
153	Interaction of muscovite (001) with Pu3+ bearing solutions at pH 3 through ex-situ observations. Geochimica Et Cosmochimica Acta, 2010, 74, 6984-6995.	3.9	15
154	X-ray fluorescence from a model liquid/liquid solvent extraction system. Journal of Applied Physics, 2011, 110, .	2.5	15
155	Subtle Effects of Aliphatic Alcohol Structure on Water Extraction and Solute Aggregation in Biphasic Water/n-Dodecane. Langmuir, 2017, 33, 3776-3786.	3.5	15
156	Electronic and structural properties of Sb in stage 1 SbF5-graphite from 121Sb MÃ¶ssbauer spectrometry. Synthetic Metals, 1983, 8, 99-108.	3.9	14
157	Coordination and valence of europium in [Eu(Î±-2-As2W17O61)2]17âˆ' and [Eu(W5O18)2]9âˆ'. Journal of Alloys and Compounds, 1998, 275-277, 827-830.	5.5	14
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