

William Casey

List of Publications by Year in descending order

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189
papers

9,679
citations

34105

52
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42399

92
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218
all docs

218
docs citations

218
times ranked

8702
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Water Oxidation with Cobalt-Based Electrocatalysts from pH 0 to 14: The Thermodynamic Basis for Catalyst Structure, Stability, and Activity. <i>Journal of the American Chemical Society</i> , 2011, 133, 14431-14442.	13.7	686
2	EPR Evidence for Co(IV) Species Produced During Water Oxidation at Neutral pH. <i>Journal of the American Chemical Society</i> , 2010, 132, 6882-6883.	13.7	488
3	Water-oxidation catalysis by manganese in a geochemical-like cycle. <i>Nature Chemistry</i> , 2011, 3, 461-466.	13.6	479
4	Large Aqueous Aluminum Hydroxide Molecules. <i>Chemical Reviews</i> , 2006, 106, 1-16.	47.7	443
5	The Origin of Aluminum Floccs in Polluted Streams. <i>Science</i> , 2002, 297, 2245-2247.	12.6	246
6	Contribution of bedrock nitrogen to high nitrate concentrations in stream water. <i>Nature</i> , 1998, 395, 785-788.	27.8	238
7	NDT: A Supertetrahedral Cationic Framework That Removes TcO_4^- from Solution. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1057-1060.	13.8	238
8	Leaching and reconstruction at the surfaces of dissolving chain-silicate minerals. <i>Nature</i> , 1993, 366, 253-256.	27.8	226
9	Isotopic fractionation of $\text{Mg}^{2+}(\text{aq})$, $\text{Ca}^{2+}(\text{aq})$, and $\text{Fe}^{2+}(\text{aq})$ with carbonate minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6301-6323.	3.9	190
10	Kinetic Evidence for Five-Coordination in $\text{AlOH}(\text{aq})_2^+$ Ion. <i>Science</i> , 2005, 308, 1450-1453.	12.6	168
11	The surface chemistry of dissolving labradorite feldspar. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 821-832.	3.9	165
12	Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds. <i>Nature</i> , 1992, 355, 157-159.	27.8	153
13	Aqueous silicate complexes in wheat, <i>Triticum aestivum</i> L.. <i>Plant, Cell and Environment</i> , 2004, 27, 51-54.	5.7	145
14	Investigating the behaviour of Mg isotopes during the formation of clay minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 178-194.	3.9	145
15	Selectivity, Kinetics, and Efficiency of Reversible Anion Exchange with TcO_4^- in a Supertetrahedral Cationic Framework. <i>Advanced Functional Materials</i> , 2012, 22, 2241-2250.	14.9	141
16	On the temperature dependence of mineral dissolution rates. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 3825-3830.	3.9	140
17	Bonding and reactivity at oxide mineral surfaces from model aqueous complexes. <i>Nature</i> , 2000, 404, 379-382.	27.8	139
18	Hydroxamate ligands, surface chemistry, and the mechanism of ligand-promoted dissolution of goethite $[\pm\text{-FeOOH}(\text{s})]$. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4403-4416.	3.9	115

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19	The [Ti ₁₂ Nb ₆ O ₄₄] ¹⁰⁺ Ion – A New Type of Polyoxometalate Structure. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5634-5636.	13.8	104
20	Reaction Dynamics of the Decaniobate Ion [HxNb ₁₀ O ₂₈] ^{(6-x)-} in Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4844-4846.	13.8	101
21	Dissolution of insulating oxide materials at the molecular scale. <i>Nature Materials</i> , 2010, 9, 11-19.	27.5	99
22	Prediction of ligand-promoted dissolution rates from the reactivities of aqueous complexes. <i>Nature</i> , 1995, 375, 44-47.	27.8	92
23	On the relative dissolution rates of some oxide and orthosilicate minerals. <i>Journal of Colloid and Interface Science</i> , 1991, 146, 586-589.	9.4	90
24	Rates and mechanisms of oxygen exchanges between sites in the AlO ₄ Al ₁₂ (OH) ₂₄ (H ₂ O) ₁₂₇ +(aq) complex and water: implications for mineral surface chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2951-2964.	3.9	89
25	Why small? The use of small inorganic clusters to understand mineral surface and dissolution reactions in geochemistry. <i>Reviews of Geophysics</i> , 2003, 41, .	23.0	89
26	A New Aluminum Hydroxide Octamer, [Al ₈ (OH) ₁₄ (H ₂ O) ₁₈](SO ₄) ₅ ·16H ₂ O. <i>Inorganic Chemistry</i> , 2005, 44, 4888-4890.	4.0	79
27	The mechanism of dissolution of oxide minerals. <i>Nature</i> , 1996, 381, 506-509.	27.8	77
28	An ¹⁷ O-NMR Study of the Exchange of Water on AlOH(H ₂ O) ₅₂ +(aq). <i>Inorganic Chemistry</i> , 1998, 37, 4760-4763.	4.0	76
29	Oxygen-exchange pathways in aluminum polyoxocations. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3011-3017.	3.9	76
30	Rates of Oxygen Exchange between the [HxNb ₆ O ₁₉] ^{8-x} (aq) Lindqvist Ion and Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 2006, 128, 14712-14720.	13.7	76
31	Minerals as Molecules – Use of Aqueous Oxide and Hydroxide Clusters to Understand Geochemical Reactions. <i>Chemistry - A European Journal</i> , 2009, 15, 4496-4515.	3.3	76
32	Mechanisms for fluoride-promoted dissolution of bayerite [Al ²⁺ (OH) ₃ (s)] and boehmite [Al ³⁺ (OH) ₃]: ¹⁹ F-NMR spectroscopy and aqueous surface chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3513-3524.	3.9	75
33	Characterization of decavanadate and decaniobate solutions by Raman spectroscopy. <i>Dalton Transactions</i> , 2016, 45, 7391-7399.	3.3	74
34	Kinetics of oxygen exchange between sites in the GaO ₄ Al ₁₂ (OH) ₂₄ (H ₂ O) ₁₂₇ +(aq) molecule and aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 705-714.	3.9	72
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37	Distinctly Different Reactivities of Two Similar Polyoxoniobates with Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8251-8254.	13.8	67
38	A Soluble Phosphorus-Centered Keggin Polyoxoniobate with Bicapping Vanadyl Groups. <i>Chemistry - A European Journal</i> , 2013, 19, 5191-5197.	3.3	67
39	Lithium isotope fractionation during uptake by gibbsite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 133-150.	3.9	67
40	Interaction Kinetics of I ₂ (aq) with Substituted Phenols and Humic Substances. <i>Environmental Science & Technology</i> , 2000, 34, 3180-3185.	10.0	65
41	Magnesium Isotopic Equilibrium in Chlorophylls. <i>Journal of the American Chemical Society</i> , 2007, 129, 8690-8691.	13.7	65
42	Metastable structures and isotope exchange reactions in polyoxometalate ions provide a molecular view of oxide dissolution. <i>Nature Materials</i> , 2012, 11, 223-226.	27.5	63
43	Enhanced Water Purification: A Single Atom Makes a Difference. <i>Environmental Science & Technology</i> , 2009, 43, 5416-5422.	10.0	62
44	Field weathering rates of Mt. St. Helens tephra. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 587-598.	3.9	61
45	A tellurium-substituted Lindqvist-type polyoxoniobate showing high H ₂ evolution catalyzed by tellurium nanowires via photodecomposition. <i>Chemical Communications</i> , 2014, 50, 836-838.	4.1	61
46	Aqueous Aluminum Polynuclear Complexes and Nanoclusters: A Review. <i>Reviews in Mineralogy and Geochemistry</i> , 2001, 44, 167-190.	4.8	60
47	Hydroxamate Complexes in Solution and at the Goethite-Water Interface: A Cylindrical Internal Reflection Fourier Transform Infrared Spectroscopy Study. <i>Langmuir</i> , 1997, 13, 2197-2206.	3.5	59
48	Calculation of Water-Exchange Rates on Aqueous Polynuclear Clusters and at Oxide-Water Interfaces. <i>Inorganic Chemistry</i> , 2007, 46, 2962-2964.	4.0	59
49	Rates of Oxygen-isotope Exchange between Sites in the [H ₂ Ta ₆ O ₁₉] ⁽⁸⁻⁾ (aq) Lindqvist Ion and Aqueous Solutions: Comparisons to [H ₂ Nb ₆ O ₁₉] ⁽⁸⁻⁾ (aq). <i>Inorganic Chemistry</i> , 2007, 46, 7022-7029.	4.0	59
50	Oxygen-Isotope Exchange Rates for Three Isostructural Polyoxometalate Ions. <i>Journal of the American Chemical Society</i> , 2010, 132, 5264-5272.	13.7	59
51	Sarcoplasmic reticulum calcium ATPase interactions with decaniobate, decavanadate, vanadate, tungstate and molybdate. <i>Journal of Inorganic Biochemistry</i> , 2012, 107, 82-89.	3.5	58
52	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 11381-11391.	13.7	58
53	A new titanoniobate ion completing the series [Nb ₁₀ O ₂₈] ⁶⁻ , [TiNb ₉ O ₂₈] ⁷⁻ and [Ti ₂ Nb ₈ O ₂₈] ⁸⁻ . <i>Dalton Transactions</i> , 2009, , 2677.	3.3	55
54	Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2011, 17, 4408-4417.	3.3	52

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55	Rates of oxygen exchange between the $\text{Al}_2\text{O}_3\text{Al}_2(\text{OH})_5(\text{H}_2\text{O})_{26}^{18+}(\text{aq})$ (Al_3O) molecule and aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2725-2733.	3.9	51
56	Structure and Reactivity of X-ray Amorphous Uranyl Peroxide, U_2O_7 . <i>Inorganic Chemistry</i> , 2016, 55, 3541-3546.	4.0	50
57	Tchnetium-99 MAS NMR Spectroscopy of a Cationic Framework Material that Traps TcO_4^- Ions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5975-5977.	13.8	49
58	One-pot synthesis of the decaniobate salt $[\text{N}(\text{CH}_3)_4]_6[\text{Nb}_{10}\text{O}_{28}] \cdot 6\text{H}_2\text{O}$ from hydrous niobium oxide. <i>Inorganica Chimica Acta</i> , 2009, 362, 1391-1392.	2.4	47
59	The Surface Chemistry of Metal Oxide Clusters: From Metal-Organic Frameworks to Minerals. <i>ACS Central Science</i> , 2020, 6, 1523-1533.	11.3	46
60	The kinetics of oxygen exchange between the $\text{GeO}_4\text{Al}_{12}(\text{OH})_{24}(\text{OH}_2)_{12}^{8+}(\text{aq})$ molecule and aqueous solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 577-587.	3.9	45
61	AFM investigation of step kinetics and hillock morphology of the {100} face of KDP. <i>Journal of Crystal Growth</i> , 2004, 260, 566-579.	1.5	44
62	Titanium-Substituted Polyoxotantalate Clusters Exhibiting Wide pH Stabilities: $[\text{Ti}_2\text{Ta}_8\text{O}_{28}]^{8-}$ and $[\text{Ti}_{12}\text{Ta}_6\text{O}_{44}]^{10-}$. <i>Chemistry - A European Journal</i> , 2016, 22, 14155-14157.	3.3	44
63	Reversible capping/uncapping of phosphorous-centered Keggin-type polyoxoniobate clusters. <i>Chemical Communications</i> , 2015, 51, 1436-1438.	4.1	43
64	Isotope-Exchange Dynamics in Isostructural Decametallates with Profound Differences in Reactivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 16488-16492.	13.7	42
65	CHAPTER 10. LEACHING OF MINERAL AND GLASS SURFACES DURING DISSOLUTION. , 1990, , 397-426.		41
66	Synthesis and Characterization of the $\text{GeO}_4\text{Al}_{12}(\text{OH})_{24}(\text{OH}_2)_{12}^{8+}$ Polyoxocation. <i>Inorganic Chemistry</i> , 2001, 40, 4485-4487.	4.0	41
67	Calorimetric determination of the enthalpies of formation of hydroxalcalite-like solids and their use in the geochemical modeling of metals in natural waters. <i>Clays and Clay Minerals</i> , 2006, 54, 409-417.	1.3	41
68	Calculating Geochemical Reaction Pathways - Exploration of the Inner-Sphere Water Exchange Mechanism in $\text{Al}(\text{H}_2\text{O})_6^{3+}(\text{aq}) + n\text{H}_2\text{O}$ with ab Initio Calculations and Molecular Dynamics. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4125-4140.	2.5	41
69	An overview of selected current approaches to the characterization of aqueous inorganic clusters. <i>Dalton Transactions</i> , 2015, 44, 16982-17006.	3.3	41
70	Synthesis and Characterization of a Soluble Vanadium-Containing Keggin Polyoxoniobate by ESI-MS and ^{51}V NMR: $(\text{TMA})_9[\text{V}_3\text{Nb}_{12}\text{O}_{42}] \cdot 18\text{H}_2\text{O}$. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1748-1753.	2.0	40
71	Rates of Ligand Exchange between $\text{Fe}^{\text{III}}\text{OH}_2^+$ Functional Groups on a Nanometer-Sized Aqueous Cluster and Bulk Solution. <i>Inorganic Chemistry</i> , 2007, 46, 7087-7092.	4.0	39
72	A new class of soluble and stable transition-metal-substituted polyoxoniobate: $[\text{Cr}_2(\text{OH})_4\text{Nb}_{10}\text{O}_{30}]^{8-}$. <i>Dalton Transactions</i> , 2012, 41, 12674.	3.3	39

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73	Acid-stable Peroxonio-phosphate Clusters To Make Patterned Films. <i>Chemistry - A European Journal</i> , 2015, 21, 6727-6731.	3.3	39
74	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 11369-11380.	13.7	39
75	On the Mechanisms of Dissolution of Bunsenite [NiO(s)] and Other Simple Oxide Minerals. <i>Journal of Colloid and Interface Science</i> , 1996, 178, 176-185.	9.4	38
76	Decavanadate, decaniobate, tungstate and molybdate interactions with sarcoplasmic reticulum Ca ²⁺ -ATPase: quercetin prevents cysteine oxidation by vanadate but does not reverse ATPase inhibition. <i>Dalton Transactions</i> , 2012, 41, 12749.	3.3	38
77	Calcium-isotope fractionation between solution and solids with six, seven or eight oxygens bound to Ca(II). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 363-373.	3.9	38
78	Rate of water exchange between Al(C ₂ O ₄)(H ₂ O) ₄ ⁺ (aq) complexes and aqueous solutions determined by ¹⁷ O-NMR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4965-4973.	3.9	37
79	Highly soluble iron- and nickel-substituted decaniobates with tetramethylammonium counterions. <i>Dalton Transactions</i> , 2013, 42, 7529.	3.3	37
80	The rates of water exchange in Al(III)-salicylate and Al(III)-sulfosalicylate complexes. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1471-1480.	3.9	34
81	Structure, stability and photocatalytic H ₂ production by Cr-, Mn-, Fe-, Co-, and Ni-substituted decaniobate clusters. <i>Dalton Transactions</i> , 2014, 43, 17928-17933.	3.3	34
82	The Aqueous Geochemistry of the Abandoned Spenceville Copper Pit, Nevada County, California. <i>Journal of Environmental Quality</i> , 1997, 26, 233-243.	2.0	33
83	Nitrogen release from rock and soil under simulated field conditions. <i>Chemical Geology</i> , 2001, 174, 403-414.	3.3	32
84	Gibbs energies of formation for hydrocerussite [Pb(OH) ₂ ·(PbCO ₃) ₂ (S)] and hydrozincite [Zn(OH) ₂ ·(ZnCO ₃) ₂ (S)] at 298 K and 1 bar from electrochemical cell measurements. <i>American Mineralogist</i> , 1998, 83, 739-745.	1.9	32
85	The rates of exchange of water molecules from Al(III)-methylmalonate complexes: the effect of chelate ring size. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2789-2797.	3.9	31
86	Investigation of the Ligand Exchange Reaction for the Aqueous Be ²⁺ Ion. <i>The Journal of Physical Chemistry</i> , 1994, 98, 8641-8647.	2.9	30
87	Infrared spectra of phthalic acid, the hydrogen phthalate ion, and the phthalate ion in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 1635-1642.	3.9	30
88	Dynamics and durability. <i>Nature Materials</i> , 2008, 7, 930-932.	27.5	30
89	Energetics of Al ₁₃ Keggin cluster compounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14775-14779.	7.1	30
90	Dynamics of a Nanometer-sized Uranyl Cluster in Solution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7464-7467.	13.8	30

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91	A new Keggin-like niobium-phosphate cluster that reacts reversibly with hydrogen peroxide. <i>Chemical Communications</i> , 2015, 51, 12744-12747.	4.1	30
92	Experimental and Theoretical Treatment of Elementary Ligand Exchange Reactions in Aluminum Complexes. <i>Environmental Science & Technology</i> , 1998, 32, 2865-2870.	10.0	29
93	Novel color center platforms enabling fundamental scientific discovery. <i>Informa-Materials</i> , 2021, 3, 869-890.	17.3	29
94	The Aqueous Chemistry of Oxides. , 2016, , .		29
95	Water Exchange in Fluoroaluminate Complexes in Aqueous Solution: A Variable Temperature Multinuclear NMR Study. <i>Inorganic Chemistry</i> , 2001, 40, 4750-4754.	4.0	28
96	On the Acid-Base Chemistry of the Keggin Polymers: GaAl ₁₂ and GeAl ₁₂ . <i>Journal of Colloid and Interface Science</i> , 2002, 250, 269-270.	9.4	27
97	Attenuated total reflection-Fourier-transform infrared and ²⁷ Al nuclear magnetic resonance investigation of speciation and complexation in aqueous Al(III)-picolinate solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 4115-4129.	3.9	26
98	Large Molecules as Models for Small Particles in Aqueous Geochemistry Research. <i>Journal of Nanoparticle Research</i> , 2005, 7, 377-387.	1.9	26
99	A decatungstate-type polyoxoniobate with centered manganese: [H ₂ MnIVNb ₁₀ O ₃₂] ⁸⁻ as a soluble tetramethylammonium salt. <i>Dalton Transactions</i> , 2013, 42, 13339.	3.3	26
100	Gibbs energies of formation of metal-carbonate solid solutions: part 3. The Ca _x Mn _{1-x} CO ₃ system at 298 K and 1 bar. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2799-2808.	3.9	24
101	The energetics of isomerisation in Keggin-series aluminate cations. <i>Dalton Transactions</i> , 2014, 43, 14533-14536.	3.3	24
102	Multicopper manganese oxidase accessory proteins bind Cu and heme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1853-1859.	2.3	24
103	Synthesis of an Aluminum Hydroxide Octamer through a Simple Dissolution Method. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10161-10164.	13.8	24
104	Potentiometric and ¹⁹ F nuclear magnetic resonance spectroscopic study of fluoride substitution in the GaAl ₁₂ polyoxocation: implications for aluminum (hydr)oxide mineral surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1065-1080.	3.9	23
105	Water Exchange from the Oxo-Centered Rhodium(III) Trimer [Rh ₃ (¹ / ₄ O)(¹ / ₄ O ₂ CCH ₃) ₆ (OH) ₂] ³⁺ : A High-Pressure ¹⁷ O NMR Study. <i>Inorganic Chemistry</i> , 2005, 44, 5176-5182.	4.0	22
106	¹⁷ O NMR and Computational Study of a Tetrasiliconiobate Ion, [H ₂ Si ₄ Nb ₁₆ O ₅₆] ¹⁴⁻ . <i>Chemistry - A European Journal</i> , 2011, 17, 9359-9367.	3.3	22
107	Hierarchy of Pyrophosphate-Functionalized Uranyl Peroxide Nanocluster Synthesis. <i>Inorganic Chemistry</i> , 2017, 56, 5478-5487.	4.0	22
108	Activation volumes for oxygen exchange between the GaO ₄ Al ₁₂ (OH) ₂₄ (H ₂ O) ₁₂₇ ⁺ (aq) (GaAl ₁₂) polyoxocation and aqueous solution from variable pressure ¹⁷ O NMR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2791-2798.	3.9	21

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109	Rates of Water Exchange on the $[\text{Fe}(\text{OH})_2(\text{hpdt})_2(\text{H}_2\text{O})_4]^{0+}$ Molecule and Its Implications for Geochemistry. <i>Inorganic Chemistry</i> , 2012, 51, 6731-6738.	4.0	21
110	The flux of oxygen from the basal surface of gibbsite ($\text{Al}(\text{OH})_3$) at equilibrium. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3547-3555.	3.9	20
111	Modeling Water Exchange on an Aluminum Polyoxocation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23771-23775.	2.6	20
112	A new method for determining Gibbs energies of formation of metal-carbonate solid solutions: 1. The $\text{Ca}_x\text{Cd}_{1-x}\text{CO}_3(\text{s})$ system at 298 K and 1 bar. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4281-4291.	3.9	19
113	Rates of solvent exchange in aqueous aluminium(III) maltoate complexes. <i>Dalton Transactions RSC</i> , 2002, , 2119.	2.3	19
114	Geochemical kinetics via the Swift-Connick equations and solution NMR. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3711-3725.	3.9	19
115	The Propensity of Uranium-Peroxide Systems to Preserve Nanosized Assemblies. <i>Inorganic Chemistry</i> , 2017, 56, 9602-9608.	4.0	19
116	Molecular properties of adsorbates that affect the growth kinetics of archerite (KDP). <i>Journal of Colloid and Interface Science</i> , 2004, 280, 18-26.	9.4	18
117	High-pressure ^{17}O NMR studies on some aqueous polyoxoions in water. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2008, 53, 193-207.	7.5	18
118	Ligand- and oxygen-isotope-exchange pathways of geochemical interest. <i>Environmental Chemistry</i> , 2015, 12, 1.	1.5	18
119	Niobium Is Highly Mobile As a Polyoxometalate Ion During Natural Weathering. <i>Canadian Mineralogist</i> , 2018, 56, 905-912.	1.0	18
120	Residence times for protons bound to three oxygen sites in the $\text{AlO}_4\text{Al}_{12}(\text{OH})_{24}(\text{H}_2\text{O})_{127+}$ polyoxocation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1636-1643.	3.9	17
121	Synthesis of experimental models for molecular inorganic geochemistry—A review with examples. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5590-5604.	3.9	17
122	Borate Accelerates Rates of Steady Oxygen Isotope Exchange for Polyoxoniobate Ions in Water. <i>Chemistry - A European Journal</i> , 2010, 16, 8631-8634.	3.3	17
123	Mn(II) Binding and Subsequent Oxidation by the Multicopper Oxidase MnxG Investigated by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 10563-10575.	13.7	17
124	Isomerization of Keggin Al_{13} Ions Followed by Diffusion Rates. <i>Chemistry - A European Journal</i> , 2016, 22, 18682-18685.	3.3	16
125	Distinct Water-Exchange Mechanisms for Trinuclear Transition-Metal Clusters. <i>Inorganic Chemistry</i> , 2006, 45, 7962-7967.	4.0	15
126	A High-Pressure NMR Probe for Aqueous Geochemistry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9788-9791.	13.8	15

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127	2 H and 139 La NMR Spectroscopy in Aqueous Solutions at Geochemical Pressures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15444-15447.	13.8	15
128	A view of reactions at mineral surfaces from the aqueous phase. <i>Mineralogical Magazine</i> , 2001, 65, 323-337.	1.4	14
129	Copper Binding Sites in the Manganese-Oxidizing Mn _x Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 8868-8877.	13.7	14
130	5. Aqueous Aluminum Polynuclear Complexes and Nanoclusters: A Review. , 2001, , 167-190.		13
131	Pathways for oxygen-isotope exchange in two model oxide clusters. <i>New Journal of Chemistry</i> , 2016, 40, 898-905.	2.8	12
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