William Casey

List of Publications by Year
in descending order

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189 papers	9,679 citations	34105 52 h-index	42399 92 g-index
218 all docs	218 docs citations	218 times ranked	8702 citing authors

#	Article	IF	Citations
1	Protocaseyite, a new decavanadate mineral containing a [Al4(OH)6(H2O)12]6+ linear tetramer, a novel isopolycation. American Mineralogist, 2022, 107, 1181-1189.	1.9	5
2	Novel color center platforms enabling fundamental scientific discovery. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 869-890.	17.3	29
3	A conspicuous 27Al-NMR signal at 72Âppm during isomerization of Keggin Al13 ions. Inorganica Chimica Acta, 2021, 514, 120014.	2.4	2
4	Metallo-inhibition of Mnx, a bacterial manganese multicopper oxidase complex. Journal of Inorganic Biochemistry, 2021, 224, 111547.	3.5	3
5	Investigation of the physical, optical, and chemical properties of phase segregated AlCoOx thin films from a novel hexol-type cluster. Dalton Transactions, 2021, 50, 3247-3252.	3.3	0
6	Optically detected NMR in a diamond-anvil cell for geochemistry. Advances in Inorganic Chemistry, 2021, 78, 269-287.	1.0	0
7	ac Sensing Using Nitrogen-Vacancy Centers in a Diamond Anvil Cell up to 6 GPa. Physical Review Applied, 2021, 16, .	3.8	4
8	The Surface Chemistry of Metal Oxide Clusters: From Metalâ€“Organic Frameworks to Minerals. ACS Central Science, 2020, 6, 1523-1533.	11.3	46
9	Dynamics of Cation-Induced Conformational Changes in Nanometer-Sized Uranyl Peroxide Clusters. Inorganic Chemistry, 2020, 59, 2495-2502.	4.0	7
10	Calculated Oxygen-Isotope Fractionations among Brucite, Portlandite, and Water. ACS Earth and Space Chemistry, 2019, 3, 1584-1593.	2.7	4
11	Aqueous geochemistry at gigapascal pressures: NMR spectroscopy of fluoroborate solutions. Geochimica Et Cosmochimica Acta, 2019, 244, 173-181.	3.9	11
12	Rates of Ligand Exchange around the Bisâ€Oxalato Complex [NpO₂(C₂O₄)₂]^{3â^'} Measured by Using Multinuclear NMR Spectroscopy under Neutral to Semiâ€Alkaline Conditions. ChemPlusChem, 2018, 83, 590-596.	2.8	0
13	Computational prediction of Mg-isotope fractionation between aqueous [Mg(OH2)6]2+ and brucite. Geochimica Et Cosmochimica Acta, 2018, 227, 64-74.	3.9	9
14	Synthesis, characterization and properties of a glycol-coordinated Îµ-Keggin-type Al₁₃ chloride. Chemical Communications, 2018, 54, 4148-4151.	4.1	8
15	Probing Electron Transfer in the Manganeseâ€Oxideâ€Forming MnxEFG Protein Complex using Fourier Transformed AC Voltammetry: Understanding the Oxidative Priming Effect. ChemElectroChem, 2018, 5, 872-876.	3.4	2
16	Niobium Is Highly Mobile As a Polyoxometalate Ion During Natural Weathering. Canadian Mineralogist, 2018, 56, 905-912.	1.0	18
17	29Si NMR of aqueous silicate complexes at gigapascal pressures. Communications Chemistry, 2018, 1, .	4.5	3
18	17 O NMR as a Tool in Discrete Metal Oxide Cluster Chemistry. Annual Reports on NMR Spectroscopy, 2018, 94, 187-248.	1.5	7

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19	Mn(III) species formed by the multi-copper oxidase MnxG investigated by electron paramagnetic resonance spectroscopy. Journal of Biological Inorganic Chemistry, 2018, 23, 1093-1104.	2.6	8
20	Acceptance of the 2016 C.C. Patterson Award by William H. Casey. Geochimica Et Cosmochimica Acta, 2017, 201, 432-433.	3.9	0
21	²⁷Al MQMAS of the Î´-Al₁₃-Keggin. Dalton Transactions, 2017, 46, 2249-2254.	3.3	10
22	Hierarchy of Pyrophosphate-Functionalized Uranyl Peroxide Nanocluster Synthesis. Inorganic Chemistry, 2017, 56, 5478-5487.	4.0	22
23	Synthesis of an Aluminum Hydroxide Octamer through a Simple Dissolution Method. Angewandte Chemie, 2017, 129, 10295-10298.	2.0	10
24	Synthesis of an Aluminum Hydroxide Octamer through a Simple Dissolution Method. Angewandte Chemie - International Edition, 2017, 56, 10161-10164.	13.8	24
25	Oxygenâ€“Isotope Exchange and Metastable Dissociation in Oxides. Advances in Inorganic Chemistry, 2017, , 91-115.	1.0	2
26	Stable Heterometallic Cluster Ions based on Werner's Hexol. Angewandte Chemie - International Edition, 2017, 56, 8776-8779.	13.8	2
27	Copper Binding Sites in the Manganese-Oxidizing Mnx Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2017, 139, 8868-8877.	13.7	14
28	Pressure Dependence of Carbonate Exchange with [NpO2(CO3)3]4â€“ in Aqueous Solutions. Inorganic Chemistry, 2017, 56, 661-666.	4.0	5
29	Steps to achieving high-resolution NMR spectroscopy on solutions at GPa pressure. Numerische Mathematik, 2017, 317, 846-860.	1.4	8
30	Cationâ€Directed Isomerization of the U 28 Uranylâ€Peroxide Cluster. European Journal of Inorganic Chemistry, 2017, 2017, 5429-5433.	2.0	1
31	Tunable Biogenic Manganese Oxides. Chemistry - A European Journal, 2017, 23, 13482-13492.	3.3	8
32	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. Journal of the American Chemical Society, 2017, 139, 11381-11391.	13.7	58
33	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. Journal of the American Chemical Society, 2017, 139, 11369-11380.	13.7	39
34	Stable Heterometallic Cluster Ions based on Werner's Hexol. Angewandte Chemie, 2017, 129, 8902-8905.	2.0	1
35	The Propensity of Uranium-Peroxide Systems to Preserve Nanosized Assemblies. Inorganic Chemistry, 2017, 56, 9602-9608.	4.0	19
36	Biogenic Manganeseâ€Oxide Mineralization is Enhanced by an Oxidative Priming Mechanism for the Multiâ€Copper Oxidase, MnxEFG. Chemistry - A European Journal, 2017, 23, 1346-1352.	3.3	12

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37	Front Cover: Cation-Directed Isomerization of the U28 Uranyl-Peroxide Cluster (Eur. J. Inorg. Chem.) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	0
38	Cation-Directed Isomerization of the U28 Uranyl-Peroxide Cluster. European Journal of Inorganic Chemistry, 2017, 2017, 5248-5248.	2.0	0
39	Dynamic Phosphonic Bridges in Aqueous Uranyl Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 797-801.	2.0	8
40	Isomerization of Keggin Al13 Ions Followed by Diffusion Rates. Chemistry - A European Journal, 2016, 22, 18637-18637.	3.3	2
41	Proton-Exchange Rates on Hydroxide Bridges of Mineral-Like Metal-Hydroxide Clusters. ChemistrySelect, 2016, 1, 1118-1122.	1.5	1
42	Titaniumâ€Substituted Polyoxotantalate Clusters Exhibiting Wide pH Stabilities: [Ti₂Ta₈O₂₈]^{8â^'} and [Ti₁₂Ta₆O₄₄]^{10â^'}. Chemistry - A European Journal, 2016, 22, 14155-14157.	3.3	44
43	NMR spectroscopy of some electrolyte solutions to 1.9 GPa. Geochimica Et Cosmochimica Acta, 2016, 193, 66-74.	3.9	6
44	Isomerization of Keggin Al₁₃ Ions Followed by Diffusion Rates. Chemistry - A European Journal, 2016, 22, 18682-18685.	3.3	16
45	Characterization of decavanadate and decaniobate solutions by Raman spectroscopy. Dalton Transactions, 2016, 45, 7391-7399.	3.3	74
46	Structure and Reactivity of X-ray Amorphous Uranyl Peroxide, U₂O₇. Inorganic Chemistry, 2016, 55, 3541-3546.	4.0	50
47	Pathways for oxygen-isotope exchange in two model oxide clusters. New Journal of Chemistry, 2016, 40, 898-905.	2.8	12
48	The Aqueous Chemistry of Oxides. , 2016, , .		29
49	2 H and 139 Laâ€...NMR Spectroscopy in Aqueous Solutions at Geochemical Pressures. Angewandte Chemie, 2015, 127, 15664-15667.	2.0	4
50	Energetic Insight into the Formation of Solids from Aluminum Polyoxocations. Angewandte Chemie - International Edition, 2015, 54, 9253-9256.	13.8	9
51	A New Nanometer-Sized Ga(III)-Oxyhydroxide Cation. Inorganics, 2015, 3, 21-26.	2.7	6
52	InnenrÃ¼cktitelbild:2H and139Laâ€...NMR Spectroscopy in Aqueous Solutions at Geochemical Pressures (Angew. Chem. 51/2015). Angewandte Chemie, 2015, 127, 15805-15805.	2.0	0
53	The Effect of Monovalent Electrolytes on the Deprotonation of MAl12 Keggin Ions. Aquatic Geochemistry, 2015, 21, 81-97.	1.3	4
54	An overview of selected current approaches to the characterization of aqueous inorganic clusters. Dalton Transactions, 2015, 44, 16982-17006.	3.3	41

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55	Acidâ€Stable Peroxoniobophosphate Clusters To Make Patterned Films. Chemistry - A European Journal, 2015, 21, 6727-6731.	3.3	39
56	Ligand- and oxygen-isotope-exchange pathways of geochemical interest. Environmental Chemistry, 2015, 12, 1.	1.5	18
57	Lithium isotope fractionation during uptake by gibbsite. Geochimica Et Cosmochimica Acta, 2015, 168, 133-150.	3.9	67
58	Multicopper manganese oxidase accessory proteins bind Cu and heme. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1853-1859.	2.3	24
59	2 H and 139 Laâ€...NMR Spectroscopy in Aqueous Solutions at Geochemical Pressures. Angewandte Chemie - International Edition, 2015, 54, 15444-15447.	13.8	15
60	Mn(II) Binding and Subsequent Oxidation by the Multicopper Oxidase MnxG Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2015, 137, 10563-10575.	13.7	17
61	A new Keggin-like niobium-phosphate cluster that reacts reversibly with hydrogen peroxide. Chemical Communications, 2015, 51, 12744-12747.	4.1	30
62	Reversible capping/uncapping of phosphorous-centered Keggin-type polyoxoniobate clusters. Chemical Communications, 2015, 51, 1436-1438.	4.1	43
63	Structure, stability and photocatalytic H₂ production by Cr-, Mn-, Fe-, Co-, and Ni-substituted decaniobate clusters. Dalton Transactions, 2014, 43, 17928-17933.	3.3	34
64	Energetics of heterometal substitution in Â-Keggin [MO4Al12(OH)24(OH2)12]6/7/8+ ions. American Mineralogist, 2014, 99, 2337-2343.	1.9	7
65	A tellurium-substituted Lindqvist-type polyoxoniobate showing high H₂evolution catalyzed by tellurium nanowires via photodecomposition. Chemical Communications, 2014, 50, 836-838.	4.1	61
66	The energetics of isomerisation in Keggin-series aluminate cations. Dalton Transactions, 2014, 43, 14533-14536.	3.3	24
67	A Highâ€Pressure NMR Probe for Aqueous Geochemistry. Angewandte Chemie - International Edition, 2014, 53, 9788-9791.	13.8	15
68	Investigating the behaviour of Mg isotopes during the formation of clay minerals. Geochimica Et Cosmochimica Acta, 2014, 128, 178-194.	3.9	145
69	Kinetic Studies of the [NpO₂(CO₃)₃]^{4â€“} Ion at Alkaline Conditions Using ¹³C NMR. Inorganic Chemistry, 2014, 53, 4202-4208.	4.0	7
70	Synthesis and Characterization of a Soluble Vanadium-Containing Keggin Polyoxoniobate by ESI-MS and51V NMR: (TMA)9[V3Nb12O42]Â·18H2O. European Journal of Inorganic Chemistry, 2013, 2013, 1748-1753.	2.0	40
71	Highly soluble iron- and nickel-substituted decaniobates with tetramethylammonium countercations. Dalton Transactions, 2013, 42, 7529.	3.3	37
72	A decatungstate-type polyoxoniobate with centered manganese: [H2MnIVNb10O32]8â^' as a soluble tetramethylammonium salt. Dalton Transactions, 2013, 42, 13339.	3.3	26

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73	Computational characterization of the internal bonding and solvation structure for [Nb10O28]aq6â˜. Physical Chemistry Chemical Physics, 2013, 15, 20929.	2.8	1
74	Calcium-isotope fractionation between solution and solids with six, seven or eight oxygens bound to Ca(II). Geochimica Et Cosmochimica Acta, 2013, 121, 363-373.	3.9	38
75	Ab initiocalculation of the deprotonation constants of an atomistically defined nanometer-sized, aluminium hydroxide oligomer. Molecular Simulation, 2013, 39, 220-227.	2.0	1
76	Dynamics of a Nanometerâ€Sized Uranyl Cluster in Solution. Angewandte Chemie - International Edition, 2013, 52, 7464-7467.	13.8	30
77	A Soluble Phosphorusâ€Centered Keggin Polyoxoniobate with Bicapping Vanadyl Groups. Chemistry - A European Journal, 2013, 19, 5191-5197.	3.3	67
78	Decavanadate, decaniobate, tungstate and molybdate interactions with sarcoplasmic reticulum Ca2+-ATPase: quercetin prevents cysteine oxidation by vanadate but does not reverse ATPase inhibition. Dalton Transactions, 2012, 41, 12749.	3.3	38
79	A new class of soluble and stable transition-metal-substituted polyoxoniobate: [Cr2(OH)4Nb10O30]8â˜. Dalton Transactions, 2012, 41, 12674.	3.3	39
80	Rates of Water Exchange on the [Fe₄(OH)₂(hpdta)₂(H₂O)₄]⁰ Molecule and Its Implications for Geochemistry. Inorganic Chemistry, 2012, 51, 6731-6738.	4.0	21
81	Cooperation between bound waters and hydroxyls in controlling isotope-exchange rates. Geochimica Et Cosmochimica Acta, 2012, 78, 18-27.	3.9	7
82	Metastable structures and isotope exchange reactions in polyoxometalate ions provide a molecular view of oxide dissolution. Nature Materials, 2012, 11, 223-226.	27.5	63
83	Selectivity, Kinetics, and Efficiency of Reversible Anion Exchange with TcO₄^{â˜} in a Supertetrahedral Cationic Framework. Advanced Functional Materials, 2012, 22, 2241-2250.	14.9	141
84	Sarcoplasmic reticulum calcium ATPase interactions with decaniobate, decavanadate, vanadate, tungstate and molybdate. Journal of Inorganic Biochemistry, 2012, 107, 82-89.	3.5	58
85	Energetics of Al ₁₃ Keggin cluster compounds. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14775-14779.	7.1	30
86	Geochemical kinetics via the Swiftâ€“Connick equations and solution NMR. Geochimica Et Cosmochimica Acta, 2011, 75, 3711-3725.	3.9	19
87	Water-oxidation catalysis by manganese in a geochemical-like cycle. Nature Chemistry, 2011, 3, 461-466.	13.6	479
88	Electrochemical Water Oxidation with Cobalt-Based Electrocatalysts from pH 0â€“14: The Thermodynamic Basis for Catalyst Structure, Stability, and Activity. Journal of the American Chemical Society, 2011, 133, 14431-14442.	13.7	686
89	Multinuclear NMR Study of the Pressure Dependence for Carbonate Exchange in the UO₂(CO₃)₃^{4â˜}(aq) Ion. ChemPhysChem, 2011, 12, 2903-2906.	2.1	11
90	The Pressure Dependence of Oxygen Isotope Exchange Rates Between Solution and Apical Oxygen Atoms on the [UO₂(OH)₄]^{2â˜} Ion. Angewandte Chemie - International Edition, 2011, 50, 4467-4469.	13.8	11

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91	Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. Chemistry - A European Journal, 2011, 17, 4408-4417.	3.3	52
92	¹⁷O NMR and Computational Study of a Tetrasiliconiobate Ion, [H_{2+x}Si₄Nb₁₆O₅₆]^{(14â^'x)â^'}. Chemistry - A European Journal, 2011, 17, 9359-9367.	3.3	22
93	EPR Evidence for Co(IV) Species Produced During Water Oxidation at Neutral pH. Journal of the American Chemical Society, 2010, 132, 6882-6883.	13.7	488
94	Borate Accelerates Rates of Steady Oxygenâ€isotope Exchange for Polyoxoniobate Ions in Water. Chemistry - A European Journal, 2010, 16, 8631-8634.	3.3	17
95	NDTBâ€1: A Supertetrahedral Cationic Framework That Removes TcO₄^{â^'} from Solution. Angewandte Chemie - International Edition, 2010, 49, 1057-1060.	13.8	238
96	Technetiumâ€99 MASâ€...NMR Spectroscopy of a Cationic Framework Material that Traps TcO₄^{â^'} Ions. Angewandte Chemie - International Edition, 2010, 49, 5975-5977.	13.8	49
97	The first peroxotitanoniobate cluster â€“. Inorganica Chimica Acta, 2010, 363, 4405-4407.	2.4	6
98	Adding reactivity to structure 2: Oxygen-isotope-exchange rates in three isostructural oxide ions. Numerische Mathematik, 2010, 310, 629-644.	1.4	8
99	Isotopic fractionation of Mg2+(aq), Ca2+(aq), and Fe2+(aq) with carbonate minerals. Geochimica Et Cosmochimica Acta, 2010, 74, 6301-6323.	3.9	190
100	Oxygen-Isotope Exchange Rates for Three Isostructural Polyoxometalate Ions. Journal of the American Chemical Society, 2010, 132, 5264-5272.	13.7	59
101	Dissolution of insulating oxide materials at the molecular scale. Nature Materials, 2010, 9, 11-19.	27.5	99
102	Minerals as Moleculesâ€”Use of Aqueous Oxide and Hydroxide Clusters to Understand Geochemical Reactions. Chemistry - A European Journal, 2009, 15, 4496-4515.	3.3	76
103	One-pot synthesis of the decaniobate salt [N(CH3)4]6[Nb10O28]Â·6H2O from hydrous niobium oxide. Inorganica Chimica Acta, 2009, 362, 1391-1392.	2.4	47
104	A new titanoniobate ionâ€”completing the series [Nb10O28]6â^', [TiNb9O28]7â^' and [Ti2Nb8O28]8â^'. Dalton Transactions, 2009, , 2677.	3.3	55
105	Isotope-Exchange Dynamics in Isostructural Decametalates with Profound Differences in Reactivity. Journal of the American Chemical Society, 2009, 131, 16488-16492.	13.7	42
106	Enhanced Water Purification: A Single Atom Makes a Difference. Environmental Science & Technology, 2009, 43, 5416-5422.	10.0	62
107	Reaction Dynamics of the Decaniobate Ion [H_xNb₁₀O₂₈]^{(6â^'x)â^'} in Water. Angewandte Chemie - International Edition, 2008, 47, 4844-4846.	13.8	101
108	The [Ti₁₂Nb₆O₄₄]^{10â^'} Ionâ€”A New Type of Polyoxometalate Structure. Angewandte Chemie - International Edition, 2008, 47, 5634-5636.	13.8	104

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109	Distinctly Different Reactivities of Two Similar Polyoxoniobates with Hydrogen Peroxide. Angewandte Chemie - International Edition, 2008, 47, 8251-8254.	13.8	67
110	High-pressure 17O NMR studies on some aqueous polyoxoions in water. Progress in Nuclear Magnetic Resonance Spectroscopy, 2008, 53, 193-207.	7.5	18
111	Dynamics and durability. Nature Materials, 2008, 7, 930-932.	27.5	30
112	Calculating Geochemical Reaction Pathways - Exploration of the Inner-Sphere Water Exchange Mechanism in Al(H2O)63+(aq) + nH2O with ab Initio Calculations and Molecular Dynamics. Journal of Physical Chemistry A, 2008, 112, 4125-4140.	2.5	41
113	Adding reactivity to structure--reaction dynamics in a nanometer-size oxide ion in water. Numerische Mathematik, 2008, 308, 942-953.	1.4	10
114	Synthesis of experimental models for molecular inorganic geochemistryâ€"A review with examples. Geochimica Et Cosmochimica Acta, 2007, 71, 5590-5604.	3.9	17
115	Calculation of Water-Exchange Rates on Aqueous Polynuclear Clusters and at Oxideâ^'Water Interfaces. Inorganic Chemistry, 2007, 46, 2962-2964.	4.0	59
116	Rates of Oxygen-Isotope Exchange between Sites in the [H_xTa₆O₁₉]⁽⁸⁻^x^{)â^'}(aq) Lindqvist Ion and Aqueous Solutions:â€‰ Comparisons to [H_xNb₆O₁₉]⁽⁸⁻^x^{)â^'}(aq). Inorganic Chemistry, 2007, 46, 7032-7039.	4.0	59
117	Rates of Ligand Exchange between >Fe^{III}â^'OH₂ Functional Groups on a Nanometer-Sized Aqueous Cluster and Bulk Solution. Inorganic Chemistry, 2007, 46, 7087-7092.	4.0	39
118	Magnesium Isotopic Equilibrium in Chlorophylls. Journal of the American Chemical Society, 2007, 129, 8690-8691.	13.7	65
119	Reaction Dynamics, Molecular Clusters, and Aqueous Geochemistry. Annual Review of Earth and Planetary Sciences, 2007, 35, 21-46.	11.0	68
120	Rates of Oxygen Exchange between the [HxNb6O19]8-x(aq) Lindqvist Ion and Aqueous Solutions. Journal of the American Chemical Society, 2006, 128, 14712-14720.	13.7	76
121	Large Aqueous Aluminum Hydroxide Molecules. Chemical Reviews, 2006, 106, 1-16.	47.7	443
122	Distinct Water-Exchange Mechanisms for Trinuclear Transition-Metal Clusters. Inorganic Chemistry, 2006, 45, 7962-7967.	4.0	15
123	Residence times for protons bound to three oxygen sites in the AlO4Al12(OH)24(H2O)127+ polyoxocation. Geochimica Et Cosmochimica Acta, 2006, 70, 1636-1643.	3.9	17
124	A molecular dynamics investigation of the titration of a trivalent aqueous ion. Theoretical Chemistry Accounts, 2006, 115, 136-144.	1.4	4
125	Calorimetric determination of the enthalpies of formation of hydrotalcite-like solids and their use in the geochemical modeling of metals in natural waters. Clays and Clay Minerals, 2006, 54, 409-417.	1.3	41
126	A New Aluminum Hydroxide Octamer, [Al8(OH)14(H2O)18] (SO4)5Ã—16H2O.. ChemInform, 2005, 36, no.	0.0	2

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127	Large Molecules as Models for Small Particles in Aqueous Geochemistry Research. Journal of Nanoparticle Research, 2005, 7, 377-387.	1.9	26
128	A New Aluminum Hydroxide Octamer, [Al8(OH)14(H2O)18](SO4)5Â·16H2O. Inorganic Chemistry, 2005, 44, 4888-4890.	4.0	79
129	Water Exchange from the Oxo-Centered Rhodium(III) Trimer [Rh3(Î¼3-O)(Î¼-O2CCH3)6(OH2)3]+:Â A High-Pressure17O NMR Study. Inorganic Chemistry, 2005, 44, 5176-5182.	4.0	22
130	Modeling Water Exchange on an Aluminum Polyoxocation. Journal of Physical Chemistry B, 2005, 109, 23771-23775.	2.6	20
131	Kinetic Evidence for Five-Coordination in AlOH(aq)2+ Ion. Science, 2005, 308, 1450-1453.	12.6	168
132	Proton exchange kinetics from the bound waters on the oxo-centered rhodium(iii) trimer [Rh3(Âµ3-O)(Âµ-O2CCH3)6(OH2)3]+: a variable pH and temperature 1H NMR study. Dalton Transactions, 2005, , 3667.	3.3	6
133	AFM investigation of step kinetics and hillock morphology of the {100} face of KDP. Journal of Crystal Growth, 2004, 260, 566-579.	1.5	44
134	Aqueous silicate complexes in wheat, Triticum aestivum L.. Plant, Cell and Environment, 2004, 27, 51-54.	5.7	145
135	Broad reactivity trends for oxygen-isotope exchange from the near-surface regions of some metal (hydr)oxide solids. Journal of Colloid and Interface Science, 2004, 274, 142-149.	9.4	1
136	Molecular properties of adsorbates that affect the growth kinetics of archerite (KDP). Journal of Colloid and Interface Science, 2004, 280, 18-26.	9.4	18
137	Oxygen-exchange pathways in aluminum polyoxocations. Geochimica Et Cosmochimica Acta, 2004, 68, 3011-3017.	3.9	76
138	Activation volumes for oxygen exchange between the GaO4Al12(OH)24(H2O)127+(aq) (GaAl12) polyoxocation and aqueous solution from variable pressure 17O NMR spectroscopy. Geochimica Et Cosmochimica Acta, 2004, 68, 2791-2798.	3.9	21
139	The flux of oxygen from the basal surface of gibbsite (Î±-Al(OH)3) at equilibrium. Geochimica Et Cosmochimica Acta, 2004, 68, 3547-3555.	3.9	20
140	Why small? The use of small inorganic clusters to understand mineral surface and dissolution reactions in geochemistry. Reviews of Geophysics, 2003, 41, .	23.0	89
141	Potentiometric and 19F nuclear magnetic resonance spectroscopic study of fluoride substitution in the GaAl12 polyoxocation: implications for aluminum (hydr)oxide mineral surfaces. Geochimica Et Cosmochimica Acta, 2003, 67, 1065-1080.	3.9	23
142	Rates of oxygen exchange between the Al2O8Al28(OH)56(H2O)2618+(aq) (Al30) molecule and aqueous solution. Geochimica Et Cosmochimica Acta, 2003, 67, 2725-2733.	3.9	51
143	The Origin of Aluminum Flocs in Polluted Streams. Science, 2002, 297, 2245-2247.	12.6	246
144	GEOCHEMISTRY: The Fate of Chlorine in Soils. Science, 2002, 295, 985-986.	12.6	6

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145	Rates of solvent exchange in aqueous aluminium(iii)â€“maltolate complexes. Dalton Transactions RSC, 2002, , 2119.	2.3	19
146	The kinetics of oxygen exchange between the GeO 4 Al 12 (OH) 24 (OH 2) 12 8+ (aq) molecule and aqueous solutions. Geochimica Et Cosmochimica Acta, 2002, 66, 577-587.	3.9	45
147	On the Acidâ€“Base Chemistry of the Keggin Polymers: GaAl12 and GeAl12. Journal of Colloid and Interface Science, 2002, 250, 269-270.	9.4	27
148	A Correlation for Establishing Solvolysis Rates of Aqueous Al(III) Complexes: A Possible Strategy for Colloids and Nanoparticles. Journal of Colloid and Interface Science, 2002, 251, 1-9.	9.4	5
149	Aqueous Aluminum Polynuclear Complexes and Nanoclusters: A Review. Reviews in Mineralogy and Geochemistry, 2001, 44, 167-190.	4.8	60
150	Kinetics of oxygen exchange between sites in the GaO4Al12(OH)24(H2O)127+(aq) molecule and aqueous solution. Geochimica Et Cosmochimica Acta, 2001, 65, 705-714.	3.9	72
151	Nitrogen release from rock and soil under simulated field conditions. Chemical Geology, 2001, 174, 403-414.	3.3	32
152	Synthesis and Characterization of the GeO4Al12(OH)24(OH2)128+Polyoxocation. Inorganic Chemistry, 2001, 40, 4485-4487.	4.0	41
153	Water Exchange in Fluoroaluminate Complexes in Aqueous Solution:â€‰ A Variable Temperature Multinuclear NMR Study. Inorganic Chemistry, 2001, 40, 4750-4754.	4.0	28
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