

Abraham Clearfield

List of Publications by Year in descending order

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438
papers

22,326
citations

6592

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464
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464
docs citations

464
times ranked

10668
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#	ARTICLE	IF	CITATIONS
1	Role of ion exchange in solid-state chemistry. <i>Chemical Reviews</i> , 1988, 88, 125-148.	23.0	741
2	Conventional and Unconventional Metal-Organic Frameworks Based on Phosphonate Ligands: MOFs and UMOFs. <i>Chemical Reviews</i> , 2012, 112, 1034-1054.	23.0	588
3	Crystallography and structure of .alpha.-zirconium bis(monohydrogen orthophosphate) monohydrate. <i>Inorganic Chemistry</i> , 1969, 8, 431-436.	1.9	530
4	Metal Phosphonate Chemistry. <i>Progress in Inorganic Chemistry</i> , 2007, , 371-510.	3.0	326
5	Recent advances in metal phosphonate chemistry. <i>Current Opinion in Solid State and Materials Science</i> , 1996, 1, 268-278.	5.6	293
6	Preparation of α -zirconium phosphate nanoplatelets with wide variations in aspect ratios. <i>New Journal of Chemistry</i> , 2007, 31, 39-43.	1.4	267
7	Organically Pillared Micro- and Mesoporous Materials. <i>Chemistry of Materials</i> , 1998, 10, 2801-2810.	3.2	250
8	Structural Studies of $(\eta\text{-C}_5\text{H}_5)_2\text{MX}_2$ Complexes and their Derivatives. The Structure of Bis($\eta\text{-cyclopentadienyl}$)titanium Dichloride. <i>Canadian Journal of Chemistry</i> , 1975, 53, 1622-1629.	0.6	243
9	Recent advances in metal phosphonate chemistry II. <i>Current Opinion in Solid State and Materials Science</i> , 2002, 6, 495-506.	5.6	220
10	New hexaaza macrocyclic binucleating ligands. Oxygen insertion with a dicopper(I) Schiff base macrocyclic complex. <i>Inorganic Chemistry</i> , 1990, 29, 4723-4729.	1.9	214
11	Complexes Formed between Nitrilotris(methylenephosphonic acid) and M^{2+} Transition Metals: Isostructural Organic-Inorganic Hybrids. <i>Inorganic Chemistry</i> , 2002, 41, 2325-2333.	1.9	190
12	Mechanism of ion exchange in crystalline zirconium phosphates. I. Sodium ion exchange of .alpha.-zirconium phosphate. <i>The Journal of Physical Chemistry</i> , 1969, 73, 3424-3430.	2.9	189
13	Synthesis, crystal structures, and coordination intercalation behavior of two copper phosphonates. <i>Inorganic Chemistry</i> , 1992, 31, 2821-2826.	1.9	188
14	Synthesis, Crystal Structures, and Ion-Exchange Properties of a Novel Porous Titanosilicate. <i>Chemistry of Materials</i> , 1994, 6, 2364-2368.	3.2	188
15	The mechanism of hydrolytic polymerization of zirconyl solutions. <i>Journal of Materials Research</i> , 1990, 5, 161-162.	1.2	179
16	Crown Ether Pillared and Functionalized Layered Zirconium Phosphonates: A New Strategy to Synthesize Novel Ion Selective Materials. <i>Journal of the American Chemical Society</i> , 1997, 119, 2751-2752.	6.6	178
17	Solid-State Coordination Chemistry: Hydrothermal Synthesis of Layered Vanadium Oxides with Interlayer Metal Coordination Complexes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 989-991.	4.4	176
18	Organically pillared microporous zirconium phosphonates. <i>Dalton Transactions RSC</i> , 2002, , 2937-2947.	2.3	174

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19	Zirconium and titanium phosphates as catalysts: a review. <i>Applied Catalysis</i> , 1986, 26, 1-26.	1.1	173
20	Synthesis of aluminum rich MCM-41. <i>Catalysis Letters</i> , 1995, 31, 267-272.	1.4	172
21	INORGANIC ION EXCHANGERS, PAST, PRESENT, AND FUTURE. <i>Solvent Extraction and Ion Exchange</i> , 2000, 18, 655-678.	0.8	168
22	Sulfonated Microporous Organic-Inorganic Hybrids as Strong Bronsted Acids. <i>Journal of the American Chemical Society</i> , 2003, 125, 10375-10383.	6.6	157
23	Preparation of Exfoliated Epoxy/Zirconium Phosphate Nanocomposites Containing High Aspect Ratio Nanoplatelets. <i>Chemistry of Materials</i> , 2007, 19, 1749-1754.	3.2	148
24	Pillared Layered Metal Phosphonates. Syntheses and X-ray Powder Structures of Copper and Zinc Alkylenebis(phosphonates). <i>Journal of the American Chemical Society</i> , 1997, 119, 12550-12559.	6.6	140
25	Assessment of a Sodium Nonatitanate and Pharmacosiderite-Type Ion Exchangers for Strontium and Cesium Removal from DOE Waste Simulants. <i>Environmental Science & Technology</i> , 1998, 32, 101-107.	4.6	140
26	Metal Carboxylate-Phosphonate Hybrid Layered Compounds: Synthesis and Single Crystal Structures of Novel Divalent Metal Complexes with N-(Phosphonomethyl)iminodiacetic Acid. <i>Inorganic Chemistry</i> , 2002, 41, 2319-2324.	1.9	138
27	The crystal and molecular structure of zinc phenylphosphonate. <i>Inorganica Chimica Acta</i> , 1989, 155, 7-9.	1.2	135
28	Crystal Engineered Supramolecular Metal Phosphonates: Crown Ethers and Iminodiacetates. <i>Chemistry of Materials</i> , 2001, 13, 3099-3112.	3.2	134
29	Unconventional metal organic frameworks: porous cross-linked phosphonates. <i>Dalton Transactions</i> , 2008, , 6089.	1.6	134
30	Effect of Crystallinity on the Intercalation of Monoamine in Zirconium Phosphate Layer Structure. <i>Chemistry of Materials</i> , 2005, 17, 5606-5609.	3.2	133
31	Synthesis and X-Ray Powder Structure of a Novel Porous Uranyl Phenylphosphonate Containing Unidimensional Channels Flanked by Hydrophobic Regions. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1508-1510.	4.4	132
32	New Lead Inorganic-Organic Hybrid Microporous and Layered Materials: Synthesis, Properties, and Crystal Structures. <i>Inorganic Chemistry</i> , 2002, 41, 6106-6111.	1.9	132
33	The Mechanism Responsible for Extraordinary Cs Ion Selectivity in Crystalline Silicotitanate. <i>Journal of the American Chemical Society</i> , 2008, 130, 11689-11694.	6.6	132
34	Zirconium phosphate nano-platelets: a novel platform for drug delivery in cancer therapy. <i>Chemical Communications</i> , 2012, 48, 1754.	2.2	131
35	Synthesis and X-ray Powder Structures of Two Lamellar Copper Arylenebis(phosphonates). <i>Inorganic Chemistry</i> , 1996, 35, 4942-4949.	1.9	130
36	Phase transitions and ion exchange behavior of electrolytically prepared manganese dioxide. <i>Journal of Solid State Chemistry</i> , 1986, 64, 270-282.	1.4	129

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37	Synthesis, Crystal Structures, and Proton Conductivity of Two Linear-Chain Uranyl Phenylphosphonates. <i>Inorganic Chemistry</i> , 1996, 35, 5264-5271.	1.9	126
38	The First Framework Solid Composed of Vanadosilicate Clusters. <i>Journal of the American Chemical Society</i> , 2003, 125, 10528-10529.	6.6	126
39	MOFs Under Pressure: The Reversible Compression of a Single Crystal. <i>Journal of the American Chemical Society</i> , 2013, 135, 1252-1255.	6.6	125
40	Layered Phosphates, Phosphites and Phosphonates of Groups 4 and 14 Metals. <i>Comments on Inorganic Chemistry</i> , 1990, 10, 89-128.	3.0	124
41	X-Ray powder structure and Rietveld refinement of β -zirconium phosphate, $Zr(PO_4)(H_2PO_4) \cdot 2H_2O$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 111-113.	1.1	123
42	On the mechanism of ion exchange in zirconium phosphates—XXI Intercalation of amines by β -zirconium phosphate. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1979, 41, 871-878.	0.5	119
43	Characterization of acid sites in Beta and ZSM-20 zeolites. <i>The Journal of Physical Chemistry</i> , 1992, 96, 6729-6737.	2.9	119
44	Structure Determination of a Complex Tubular Uranyl Phenylphosphonate, $(UO_2)_3(HO_3PC_6H_5)_2(O_3PC_6H_5)_2 \cdot H_2O$, from Conventional X-ray Powder Diffraction Data. <i>Inorganic Chemistry</i> , 1996, 35, 1468-1473.	1.9	119
45	Crystal Structure of a Porous Zirconium Phosphate/Phosphonate Compound and Photocatalytic Hydrogen Production from Related Materials. <i>Chemistry of Materials</i> , 1996, 8, 2239-2246.	3.2	119
46	Rational Design and Synthesis of Porous Organic-Inorganic Hybrid Frameworks Constructed by 1,3,5-Benzenetriphosphonic Acid and Pyridine Synthons. <i>Inorganic Chemistry</i> , 2006, 45, 977-986.	1.9	117
47	Preparation of lanthanide arylphosphonates and crystal structures of lanthanum phenyl- and benzylphosphonates. <i>Chemistry of Materials</i> , 1992, 4, 864-871.	3.2	114
48	Nanoencapsulation of Insulin into Zirconium Phosphate for Oral Delivery Applications. <i>Biomacromolecules</i> , 2010, 11, 2465-2470.	2.6	113
49	Three-Dimensional Hexagonal Structures from a Novel Self-Complementary Molecular Building Block. <i>Journal of the American Chemical Society</i> , 2000, 122, 4394-4402.	6.6	112
50	Pickering emulsions stabilized by amphiphilic nano-sheets. <i>Soft Matter</i> , 2012, 8, 10245.	1.2	111
51	Syntheses, Crystal Structures, and Ion-Exchange Properties of Porous Titanosilicates, $HM_3Ti_4O_4(SiO_4)_3 \cdot 4H_2O$ ($M = H^+, K^+, Cs^+$), Structural Analogues of the Mineral Pharmacosiderite. <i>Chemistry of Materials</i> , 1996, 8, 1236-1244.	3.2	110
52	Synthesis, Characterization, and Crystal Structures of Three New Divalent Metal Carboxylate-Sulfonates with a Layered and One-Dimensional Structure. <i>Inorganic Chemistry</i> , 2004, 43, 336-341.	1.9	109
53	An Organically Templated Layered Vanadium Oxide: Hydrothermal Synthesis, Single-Crystal Structure, and Magnetic Properties of $(H_3N(CH_2)_3NH_3)[V_4O_{10}]$. <i>Chemistry of Materials</i> , 1996, 8, 595-597.	3.2	107
54	Catalyzed Growth of a Metastable InS Crystal Structure as Colloidal Crystals. <i>Journal of the American Chemical Society</i> , 2000, 122, 3562-3563.	6.6	104

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55	Synthesis, Characterization, and Crystal Structures of Two Divalent Metal Diphosphonates with a Layered and a 3D Network Structure. <i>Inorganic Chemistry</i> , 2002, 41, 2334-2340.	1.9	104
56	Oxo-, Hydroxo-, and Peroxo-Bridged Fe(III) Phosphonate Cages. <i>Journal of the American Chemical Society</i> , 2006, 128, 9604-9605.	6.6	103
57	Effect of nanoplatelet dispersion on mechanical behavior of polymer nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1459-1469.	2.4	101
58	Solid Phosphoric Acid Catalyst: A Multinuclear NMR and Theoretical Study. <i>Journal of the American Chemical Society</i> , 1998, 120, 8502-8511.	6.6	97
59	Hydrothermal Syntheses and Structural Characterization of Layered Vanadium Oxides Incorporating Organic Cations: $\text{[}^{\pm}\text{,Al}^2\text{-(H}_3\text{N(CH}_2\text{)}_2\text{NH}_3\text{)[V}_4\text{O}_{10}\text{]}$ and $\text{[}^{\pm}\text{,Al}^2\text{-(H}_2\text{N(C}_2\text{H}_4\text{)}_2\text{NH}_2\text{)[V}_4\text{O}_{10}\text{]}$. <i>Inorganic Chemistry</i> , 1996, 35, 4950-4956.		96
60	Preparation of layered zirconium phosphonate/phosphate, zirconium phosphonate/phosphite and related compounds. <i>Materials Chemistry and Physics</i> , 1993, 35, 208-216.	2.0	95
61	Synthesis and X-ray Powder Structures of Covalently Pillared Lamellar Zinc Bis(phosphonates). <i>Inorganic Chemistry</i> , 1996, 35, 5254-5263.	1.9	95
62	Deprotonation of Phosphonic Acids with $\text{M}_2\text{+}$ Cations for the Design of Neutral Isostructural Organic-Inorganic Hybrids. <i>Journal of the American Chemical Society</i> , 2001, 123, 2885-2886.	6.6	94
63	Pillaring of layered double hydroxides with polyoxometalates in aqueous solution without use of preswelling agents. <i>Chemistry of Materials</i> , 1992, 4, 1276-1282.	3.2	90
64	Titanium silicates, $\text{M}_3\text{HTi}_4\text{O}_4(\text{SiO}_4)_3 \cdot 4\text{H}_2\text{O}$ ($\text{M}=\text{Na}^+, \text{K}^+$), with three-dimensional tunnel structures for the selective removal of strontium and cesium from wastewater solutions. <i>Microporous Materials</i> , 1997, 11, 65-75.	1.6	90
65	Synthesis, Characterization, and Crystal Structures of Two New Divalent Metal Complexes of $\text{N,N}'\text{-Bis(phosphonomethyl)-1,10-diaza-18-crown-6}$: A Hydrogen-Bonded 1D Array and a 3D Network with a Large Channel. <i>Inorganic Chemistry</i> , 2002, 41, 3713-3720.	1.9	89
66	Structural Studies on the Ion-Exchanged Phases of a Porous Titanosilicate, $\text{Na}_2\text{Ti}_2\text{O}_3\text{SiO}_4 \cdot 2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1996, 35, 6131-6139.	1.9	88
67	Application of X-ray Powder Diffraction Techniques to the Solution of Unknown Crystal Structures. <i>Accounts of Chemical Research</i> , 1997, 30, 414-422.	7.6	88
68	Diamondoid and Square Grid Networks in the Same Structure. Crystal Engineering with the Iodo-Nitro Supramolecular Synthone. <i>Crystal Growth and Design</i> , 2001, 1, 103-106.	1.4	88
69	$\text{[}^{\pm}\text{-Zirconium phosphate nanoplatelets as lubricant additives. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 452, 32-38.}$	2.3	88
70	Photophysics and photochemistry of tris(2,2'-bipyridyl)ruthenium(II) within the layered inorganic solid zirconium phosphate sulfophenylphosphonate. <i>The Journal of Physical Chemistry</i> , 1990, 94, 874-882.	2.9	87
71	Synthesis of Layered Double Hydroxide Single-Layer Nanosheets in Formamide. <i>Inorganic Chemistry</i> , 2016, 55, 12036-12041.	1.9	87
72	Macrocyclic Leaflets. <i>Journal of the American Chemical Society</i> , 2000, 122, 1558-1559.	6.6	85

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73	Synthesis, Characterization, and Amine Intercalation Behavior of ZirconiumN-(Phosphonomethyl)iminodiacetic Acid Layered Compounds. <i>Chemistry of Materials</i> , 1996, 8, 1333-1340.	3.2	84
74	Solid-State Water-Catalyzed Transformation at Room Temperature of a Nonluminescent Linear-Chain Uranyl Phenylphosphonate into a Luminescent One. <i>Journal of the American Chemical Society</i> , 1997, 119, 4662-4668.	6.6	84
75	On the mechanism of ion exchange in zirconium phosphates—XIII. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1976, 38, 849-852.	0.5	83
76	A comparative study of acidic properties of SAPO-5, α -11, α -34 and α -37 molecular sieves. <i>Journal of Molecular Catalysis</i> , 1994, 88, 249-265.	1.2	83
77	Synthesis and X-ray Powder Structure of a New Pillared Layered Cadmium Phosphonate, Giving Evidence that the Intercalation of Alkylamines into $\text{Cd}(\text{O}_3\text{PR})\cdot\text{H}_2\text{O}$ Is Topotactic. <i>Inorganic Chemistry</i> , 1999, 38, 1831-1833.	1.9	83
78	Surface Functionalization of Zirconium Phosphate Nanoplatelets for the Design of Polymer Fillers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 585-592.	4.0	83
79	Remarkable Pressure Responses of Metal-Organic Frameworks: Proton Transfer and Linker Coiling in Zinc Alkyl Gates. <i>Journal of the American Chemical Society</i> , 2014, 136, 11540-11545.	6.6	82
80	Synthesis and crystal structures of two metal phosphonates, $\text{M}(\text{HO}_3\text{PC}_6\text{H}_5)_2$ (M = Ba, Pb). <i>Journal of Materials Chemistry</i> , 1996, 6, 639.	6.7	80
81	Alkali-Ion-Catalyzed Transformation of Two Linear Uranyl Phosphonates into a Tubular One. <i>Journal of the American Chemical Society</i> , 1997, 119, 9301-9302.	6.6	80
82	A Family of Microporous Materials Formed by Sn(IV) Phosphonate Nanoparticles. <i>Journal of the American Chemical Society</i> , 2005, 127, 10826-10827.	6.6	80
83	Group IV phosphates as catalysts and catalyst supports. <i>Journal of Molecular Catalysis</i> , 1984, 27, 251-262.	1.2	79
84	Host-Guest Interactions of Inorganic Phosphates with the Copper(II) Complexes of the Hexaaza Macrocyclic Ligand 3,6,9,17,20,23-Hexaazatriacyclo[23.3.1.111,15]triaconta-1(29),11(30),12,14,25,27-hexaene. <i>Inorganic Chemistry</i> , 1996, 35, 7246-7252.	1.9	79
85	Aluminum Phenylphosphonates: A Fertile Family of Compounds. <i>Inorganic Chemistry</i> , 1998, 37, 4168-4178.	1.9	78
86	Novel Chiral α -Calixsalen-Macrocyclic and Chiral Robson-type Macrocyclic Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 232-241.	1.9	78
87	Zirconium phosphate nanoplatelets: a biocompatible nanomaterial for drug delivery to cancer. <i>Nanoscale</i> , 2013, 5, 2328.	2.8	78
88	Synthesis and characterization of a new series of zinc phosphites. <i>Inorganic Chemistry</i> , 1989, 28, 2608-2615.	1.9	77
89	Coordinative Intercalation of Alkylamines into Layered Zinc Phenylphosphonate. Crystal Structures from X-ray Powder Diffraction Data. <i>Journal of the American Chemical Society</i> , 1995, 117, 11278-11284.	6.6	77
90	Zirconium(IV) Phosphonate—Phosphates as Efficient Ion-Exchange Materials. <i>Inorganic Chemistry</i> , 2016, 55, 1651-1656.	1.9	77

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91	Intercalation of n-alkylamines by $\hat{\text{I}}\pm$ -zirconium phosphate. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1985, 81, 545.	1.0	76
92	Syntheses and X-ray Powder Structures of $\text{K}_2(\text{ZrSi}_3\text{O}_9)\cdot\text{H}_2\text{O}$ and Its Ion-Exchanged Phases with Na and Cs. <i>Inorganic Chemistry</i> , 1997, 36, 3072-3079.	1.9	76
93	Synthesis, Characterization, and Ion Exchange Behavior of a Framework Potassium Titanium Trisilicate $\text{K}_2\text{TiSi}_3\text{O}_9\cdot\text{H}_2\text{O}$ and Its Protonated Phases. <i>Chemistry of Materials</i> , 2000, 12, 294-305.	3.2	76
94	Structure of a Mixed Phosphate/Phosphonate Layered Zirconium Compound from Synchrotron X-Ray Powder Diffraction Data. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2324-2326.	4.4	75
95	Syntheses, Structure, and Magnetic Properties of New Types of Cu(II), Co(II), and Mn(II) Organophosphonate Materials: A Three-Dimensional Frameworks and a One-Dimensional Chain Motif. <i>Chemistry of Materials</i> , 2004, 16, 3020-3031.	3.2	75
96	Synthesis and Characterization of Four Metal ²⁺ Organophosphonates with One-, Two-, and Three-Dimensional Structures. <i>Inorganic Chemistry</i> , 2007, 46, 5229-5236.	1.9	75
97	Structure and ion exchange properties of tunnel type titanium silicates. <i>Solid State Sciences</i> , 2001, 3, 103-112.	1.5	74
98	Cs ⁺ -Selective Ion Exchange and Magnetic Ordering in a Three-Dimensional Framework Uranyl Vanadium(IV) Phosphate. <i>Chemistry of Materials</i> , 2007, 19, 132-134.	3.2	74
99	The first determination of the energy difference between solid-state conformers by x-ray diffraction. 1. The crystal structure of the pseudo-Jahn-Teller complex (nitrito)bis(2,2'-bipyridyl)copper(II) nitrate at 20, 100, 165 and 296 K and of its isostructural zinc(II) analog at 295 K. 2. The possibility of using x-ray diffraction to characterize adiabatic potential energy surfaces and relative ligand strengths. <i>Journal of the American Chemical Society</i> , 1987, 109, 1947-1958.	6.6	73
100	$\{\text{Zn}_6[\text{MeN}(\text{CH}_2\text{CO}_2)(\text{CH}_2\text{PO}_3)]_6(\text{Zn})\}_4$ -Anion: A The First Example of the Oxo-Bridged Zn_6 Octahedron with a Centered Zn(II) Cation. <i>Inorganic Chemistry</i> , 2003, 42, 6157-6159.	1.9	73
101	Preparation of aluminum-rich Beta zeolite. <i>Microporous Materials</i> , 1996, 5, 289-297.	1.6	72
102	Optical investigations of the chemical microenvironment within the layered solid zirconium phosphate sulfophenylphosphonate. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5777-5781.	2.9	71
103	Inorganic Ion Exchangers: A Technology Ripe for Development. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 2865-2872.	1.8	70
104	Preparation of hydrous mixed metal oxides of Sb, Nb, Si, Ti and W with a pyrochlore structure and exchange of radioactive cesium and strontium ions into the materials. <i>Microporous and Mesoporous Materials</i> , 2002, 54, 187-199.	2.2	70
105	Tin(IV) phosphonates: porous nanoparticles and pillared materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 2593.	6.7	70
106	Synthesis and Crystal Structures of Copper(II) Diphosphonatoalkanes: C ₄ and C ₅ . <i>Chemistry of Materials</i> , 2002, 14, 2020-2027.	3.2	69
107	New low-dimensional zinc compounds containing zinc-oxygen-phosphorus frameworks: two-layered inorganic phosphites and a polymeric organic phosphinate. <i>Inorganic Chemistry</i> , 1990, 29, 958-963.	1.9	68
108	Zirconium Polyimine Phosphonates, a New Class of Remarkable Complexing Agents. <i>Inorganic Chemistry</i> , 1994, 33, 2499-2500.	1.9	68

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109	Selectivity for Cs and Sr in Nb-substituted titanasilicate with sitinakite topology. <i>Journal of Solid State Chemistry</i> , 2003, 175, 72-83.	1.4	68
110	Structures of (carbonato)bis(2,2'-bipyridine)cobalt(III) and (carbonato)bis(1,10-phenanthroline)cobalt(III) complexes. <i>Inorganic Chemistry</i> , 1982, 21, 3734-3741.	1.9	67
111	Syntheses and Crystal Structures of a Linear-Chain Uranyl Phenylphosphinate $UO_2(O_2PHC_6H_5)_2$ and Layered Uranyl Methylphosphonate $UO_2(O_3PCH_3)$. <i>Inorganic Chemistry</i> , 1999, 38, 751-756.	1.9	67
112	Effective Intercalation and Exfoliation of Nanoplatelets in Epoxy via Creation of Porous Pathways. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10377-10381.	1.5	67
113	Solvothermal Synthesis and Characterization of Two High-Nuclearity Mixed-Valent Manganese Phosphonate Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 3489-3491.	1.9	67
114	Effect of Nanoplatelets on the Rheological Behavior of Epoxy Monomers. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 103-113.	1.7	67
115	Preparation and x-ray powder structure solution of a novel aluminum phosphate molecular sieve, $(AlPO_4)_3 \cdot n \cdot (CH_3)_4NOH$. <i>The Journal of Physical Chemistry</i> , 1986, 90, 6122-6125.	2.9	66
116	Synthesis and characterization of two new cadmium phosphonocarboxylates $Cd_2(OH)(O_3PC_2H_4CO_2)$ and $Cd_3(O_3PC_2H_4CO_2)_2 \cdot 2H_2O$. <i>Dalton Transactions RSC</i> , 2002, , 1508.	2.3	66
117	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. <i>Progress in Materials Science</i> , 2020, 109, 100631.	16.0	66
118	Synthesis and characterization of a novel layered titanium phosphate. <i>Journal of Materials Research</i> , 1996, 11, 2490-2498.	1.2	65
119	EVALUATION OF SYNTHETIC INORGANIC ION EXCHANGERS FOR CESIUM AND STRONTIUM REMOVAL FROM CONTAMINATED GROUNDWATER AND WASTEWATER. <i>Solvent Extraction and Ion Exchange</i> , 1997, 15, 909-929.	0.8	65
120	Synthesis and Characterization of Layered Zinc Biphenylenebis(phosphonate) and Three Mixed-Component Arylenebis(phosphonate)/Phosphates. <i>Inorganic Chemistry</i> , 1998, 37, 1844-1852.	1.9	65
121	Novel Hybrid Porous 3D Networks of Lead(II) Diphosphonate and Triphosphonate Containing 1,3,5-Benzenetricarboxylate. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 4218-4226.	1.0	65
122	Ion Exchange Properties of a Cesium Ion Selective Titanasilicate. <i>Solvent Extraction and Ion Exchange</i> , 1996, 14, 341-354.	0.8	63
123	Synthesis and X-Ray Powder Structures of Three Novel Titanium Phosphate Compounds. <i>Journal of Solid State Chemistry</i> , 1997, 132, 213-223.	1.4	63
124	Polymorphism and Phase Transition in Nanotubular Uranyl Phenylphosphonate: \hat{A} $(UO_2)_3(HO_3PC_6H_5)_2(O_3PC_6H_5)_2 \cdot \hat{A} \cdot H_2O$. <i>Inorganic Chemistry</i> , 1998, 37, 1827-1832.	1.9	63
125	Phosphonate Based High Nuclearity Magnetic Cages. <i>Accounts of Chemical Research</i> , 2016, 49, 1093-1103.	7.6	62
126	Formation and molecular structure of $(\eta^5\text{-cyclopentadienyl})(\eta^4\text{-1,3-dimesityl-2,4-diphenylcyclobutadiene})\text{cobalt}$. A compound with restricted rotation about an aryl-cyclobutadiene bond. <i>Inorganic Chemistry</i> , 1979, 18, 2605-2615.	1.9	60

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127	Hydrothermal synthesis, characterization and crystal structures of two new zinc(ii) phosphonates: Zn ₂ [(O ₃ PCH ₂) ₂ NHCH ₂ CO ₂] and Zn ₂ [HO ₃ PCH ₂ NH(CH ₂ PO ₃) ₂]. New Journal of Chemistry, 2002, 26, 1010-1014.	1.4	60
128	Ab initio structure study from in-house powder diffraction of a novel ZnS(EN) _{0.5} structure with layered wurtzite ZnS fragment. Chemical Communications, 2003, , 886-887.	2.2	59
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