Abraham Clearfield

List of Publications by Year
in descending order

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438 papers	22,326 citations	6613 79 h-index	17105 122 g-index
464 all docs	464 docs citations	464 times ranked	10668 citing authors

#	Article	IF	Citations
1	Amphiphilic Zirconium Phosphate Nanoparticles as Tribo-Catalytic Additives of Multi-Performance Lubricants. Journal of Tribology, 2022, 144, .	1.9	4
2	Complexing Agent Directed Growth of Î±-Zirconium Phosphate-Based Hexagonal Prisms. Inorganic Chemistry, 2020, 59, 1204-1210.	4.0	10
3	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. Progress in Materials Science, 2020, 109, 100631.	32.8	66
4	Nanoparticle Î±-ZrP Enhanced Superhydrophobicity. Solvent Extraction and Ion Exchange, 2020, 38, 645-655.	2.0	6
5	Exfoliation of Î±-Zirconium Phosphate Using Tetraalkylammonium Hydroxides. Inorganic Chemistry, 2020, 59, 7822-7829.	4.0	24
6	On Librational and Rotational Motions of Aromatic Rings in Layered Sn(IV) and Zr(IV) Phosphonate Materials: A Variable-Temperature 13C, 31P Solid-State NMR Study. Journal of Physical Chemistry Letters, 2020, 11, 4958-4961.	4.6	4
7	Solventâ€Free Synthesis of Nano Zirconium Phenylphosphonates with Molten Phenylphosphonic Acid. Chemistry - A European Journal, 2020, 26, 6185-6194.	3.3	6
8	Pyridine-d5 as a 2H NMR probe for investigation of macrostructure and pore shapes in a layered Sn(iv) phosphonateâ€“phosphate material. Chemical Communications, 2020, 56, 3653-3656.	4.1	1
9	Anti-Galling Effects of Î±-Zirconium Phosphate Nanoparticles as Grease Additives. Journal of Tribology, 2019, 141, .	1.9	13
10	Layered metal(<scp>IV</scp>) phosphonate materials: Solidâ€state <scp>¹H, ¹³C, ³¹P NMR</scp> spectra and <scp>NMR</scp> relaxation. Magnetic Resonance in Chemistry, 2018, 56, 276-284.	1.9	13
11	Achieving Amphibious Superprotonic Conductivity in a Cu^I Metalâ€“Organic Framework by Strategic Pyrazinium Salt Impregnation. Chemistry - A European Journal, 2018, 24, 872-880.	3.3	28
12	Kinetics of Ion Exchange of Zr/Sn(IV) Phosphonateâ€“Phosphate Hybrid Materials for Separation of Lanthanides from Oxidized Actinides. Solvent Extraction and Ion Exchange, 2018, 36, 674-686.	2.0	3
13	HKUST-1 Supported on Zirconium Phosphate as an Efficient Catalyst for Solvent Free Oxidation of Cyclohexene: DFT Study. Catalysts, 2018, 8, 546.	3.5	3
14	Guest Molecules in a Layered Microporous Tin(IV) Phosphonateâ€“Phosphate Material: Solid State NMR Studies. Journal of Physical Chemistry A, 2018, 122, 9901-9909.	2.5	3
15	Benzeneâ€•d 6 and tolueneâ€•d 8 as guest molecules in micropores of a layered zirconium phosphonate: 2 H, 13 C{ 1 H}, and 31 P{ 1 H} solidâ€state NMR, deuterium NMR relaxation, and molecular motions. Magnetic Resonance in Chemistry, 2018, 56, 1158-1167.	1.9	3
16	Solid Acid Catalyst Based on Single-Layer Î±-Zirconium Phosphate Nanosheets for Biodiesel Production via Esterification. Catalysts, 2018, 8, 17.	3.5	47
17	Modulating Magnetic Refrigeration through Structural Variation in Co^{II/III}â€“Gd^{III} Clusters. Inorganic Chemistry, 2017, 56, 2843-2848.	4.0	14
18	Poly(ethylene glycol)-modified zirconium phosphate nanoplatelets for improved doxorubicin delivery. Inorganica Chimica Acta, 2017, 468, 270-279.	2.4	27

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19	³¹P Solid-State NMR Relaxation in the Zirconium Phosphate Network in the Presence of Paramagnetic Centers: A Detailed Relaxation Study in Static and Rotating Samples of Layered Zirconium Phosphate Materials. Journal of Physical Chemistry C, 2017, 121, 7372-7378.	3.1	4
20	³¹P, ¹H NMR Relaxation and Molecular Mobility in Layered Î±-Zirconium Phosphate: Variable-Temperature NMR Experiments. Journal of Physical Chemistry C, 2017, 121, 550-555.	3.1	13
21	Modification and intercalation of layered zirconium phosphates: a solidâ€state NMR monitoring. Magnetic Resonance in Chemistry, 2017, 55, 648-654.	1.9	13
22	Local Environment of Terbium(III) Ions in Layered Nanocrystalline Zirconium(IV) Phosphonateâ€“Phosphate Ion Exchange Materials. Inorganic Chemistry, 2017, 56, 8837-8846.	4.0	30
23	Formation of Anti-Wear Tribofilms via Î±-ZrP Nanoplatelet as Lubricant Additives. Lubricants, 2016, 4, 28.	2.9	34
24	Zr/Sn(IV) Phosphonates as Radiolytically Stable Ion-Exchange Materials. Chemistry of Materials, 2016, 28, 2254-2259.	6.7	42
25	Phosphonate Based High Nuclearity Magnetic Cages. Accounts of Chemical Research, 2016, 49, 1093-1103.	15.6	62
26	Zirconium Phosphate Supported MOF Nanoplatelets. Inorganic Chemistry, 2016, 55, 5634-5639.	4.0	17
27	Heterometallic Co^{III}â€“Gd^{III} Clusters as Magnetic Refrigerants. Inorganic Chemistry, 2016, 55, 8254-8256.	4.0	26
28	³¹P NMR Relaxation and Motions of Phosphate Groups in Layered Zirconium Phosphate Materials. Journal of Physical Chemistry C, 2016, 120, 19225-19233.	3.1	9
29	Synthesis of Layered Double Hydroxide Single-Layer Nanosheets in Formamide. Inorganic Chemistry, 2016, 55, 12036-12041.	4.0	87
30	Zirconium(IV) Phosphonateâ€“Phosphates as Efficient Ion-Exchange Materials. Inorganic Chemistry, 2016, 55, 1651-1656.	4.0	77
31	Surface modification of layered zirconium phosphate with PNIPAM. Chemical Communications, 2016, 52, 4832-4835.	4.1	16
32	Flexible MOFs under stress: pressure and temperature. Dalton Transactions, 2016, 45, 4100-4112.	3.3	33
33	Correlating hydrodynamic radii with that of two-dimensional nanoparticles. Applied Physics Letters, 2015, 107, .	3.3	12
34	Amine-intercalated Î±-zirconium phosphates as lubricant additives. Applied Surface Science, 2015, 329, 384-389.	6.1	57
35	Direct growth of layered intercalation compounds via single step one-pot in situ synthesis. Chemical Communications, 2015, 51, 11398-11400.	4.1	10
36	Molybdocene dichloride intercalation into zirconium phosphate nanoparticles. Journal of Organometallic Chemistry, 2015, 791, 34-40.	1.8	14

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37	Hydrothermal synthesis and structural characterization of ammonium ion-templated lanthanide(III) carboxylate-phosphonates. Frontiers in Chemistry, 2014, 2, 94.	3.6	3
38	Î±-Zirconium phosphate nanoplatelets as lubricant additives. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 452, 32-38.	4.7	88
39	Reversible Dehydration Behavior Reveals Coordinatively Unsaturated Metal Sites in Microporous Aluminum Phosphonates. Crystal Growth and Design, 2014, 14, 4976-4984.	3.0	8
40	Remarkable Pressure Responses of Metalâ€“Organic Frameworks: Proton Transfer and Linker Coiling in Zinc Alkyl Gates. Journal of the American Chemical Society, 2014, 136, 11540-11545.	13.7	82
41	Isoreticular Investigation into the Formation of Four New Zinc Alkylbisphosphonate Families. Crystal Growth and Design, 2014, 14, 3612-3622.	3.0	8
42	Wilkinson-type hydrogenation catalysts immobilized on zirconium phosphate nanoplatelets. Journal of Molecular Catalysis A, 2014, 394, 217-223.	4.8	30
43	Surface modification of layered zirconium phosphates: a novel pathway to multifunctional materials. Dalton Transactions, 2014, 43, 10328-10339.	3.3	41
44	Designable Architectures on Nanoparticle Surfaces: Zirconium Phosphate Nanoplatelets as a Platform for Tetravalent Metal and Phosphonic Acid Assemblies. Langmuir, 2014, 30, 2513-2521.	3.5	24
45	Surface Functionalization of Zirconium Phosphate Nanoplatelets for the Design of Polymer Fillers. ACS Applied Materials & Interfaces, 2014, 6, 585-592.	8.0	83
46	Direct intercalation of cisplatin into zirconium phosphate nanoplatelets for potential cancer nanotherapy. Nanoscale, 2013, 5, 11456.	5.6	54
47	MOFs Under Pressure: The Reversible Compression of a Single Crystal. Journal of the American Chemical Society, 2013, 135, 1252-1255.	13.7	125
48	Zirconium phosphate nanoplatelets: a biocompatible nanomaterial for drug delivery to cancer. Nanoscale, 2013, 5, 2328.	5.6	78
49	Self-Assembled Monolayers Based Upon a Zirconium Phosphate Platform. Chemistry of Materials, 2013, 25, 723-728.	6.7	45
50	Probing Structural Changes in a Phosphonate-based Metalâ€“Organic Framework Exhibiting Reversible Dehydration. Crystal Growth and Design, 2013, 13, 2973-2981.	3.0	27
51	Natureâ€™s Nanoparticles: Group IV Phosphonates. , 2012, , 123-157.		0
52	Twenty-five Years of Nuclear Waste Remediation Studies. , 2012, , 159-206.		0
53	Pickering emulsions stabilized by amphiphilic nano-sheets. Soft Matter, 2012, 8, 10245.	2.7	111
54	Hydro-ionothermal syntheses, crystal structures, and properties of five new divalent metal iminophosphonates. Dalton Transactions, 2012, 41, 3995.	3.3	14

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55	Separation of Americium from Curium by Oxidation and Ion Exchange. Analytical Chemistry, 2012, 84, 6930-6932.	6.5	37
56	Divalent metal phosphonate coordination polymers constructed from a dipiperidine-based bisphosphonate ligand. Dalton Transactions, 2012, 41, 3985.	3.3	22
57	Zirconium phosphate nano-platelets: a novel platform for drug delivery in cancer therapy. Chemical Communications, 2012, 48, 1754.	4.1	131
58	Rates of Exchange of Cs⁺and Sr²⁺for Poorly Crystalline Sodium Titanium Silicate (CST) in Nuclear Waste Systems. Solvent Extraction and Ion Exchange, 2012, 30, 229-243.	2.0	28
59	Conventional and Unconventional Metalâ€“Organic Frameworks Based on Phosphonate Ligands: MOFs and UMOFs. Chemical Reviews, 2012, 112, 1034-1054.	47.7	588
60	Structural differences of metal biphenylenebisphosphonate with change in the alkali metal. Journal of Solid State Chemistry, 2012, 187, 149-158.	2.9	13
61	Porous zirconium and tin phosphonates incorporating 2,2â€²-bipyridine as supports for palladium nanoparticles. Microporous and Mesoporous Materials, 2012, 149, 172-180.	4.4	18
62	Linear chain aluminium(iii) carboxymethylphosphonate with encapsulated ammonium ions. Dalton Transactions, 2011, 40, 12648.	3.3	10
63	In Situ X-ray Diffraction Study of Cesium Exchange in Synthetic Umbite. Inorganic Chemistry, 2011, 50, 3596-3604.	4.0	15
64	Organicâ€“Inorganic Hybrids Assembled from Lanthanide and 1,4-Phenylenebis(phosphonate). Crystal Growth and Design, 2011, 11, 5289-5297.	3.0	34
65	Vapochromic and vapoluminescent response of materials based on platinum(ii) complexes intercalated into layered zirconium phosphate. Journal of Materials Chemistry, 2011, 21, 15899.	6.7	37
66	Separation of lanthanum, hafnium, barium and radiotracers yttrium-88 and barium-133 using crystalline zirconium phosphate and phosphonate compounds as prospective materials for a Ra-223 radioisotope generator. Applied Radiation and Isotopes, 2011, 69, 947-954.	1.5	13
67	Structural variations of SnII pyridylphosphonates influenced by an uncommon Snâ€“N interaction. Journal of Solid State Chemistry, 2010, 183, 1165-1173.	2.9	18
68	Transition metalâ€“alumina/silica supermicroporous composites with tunable porosity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 357, 105-115.	4.7	11
69	Seizing the caesium. Nature Chemistry, 2010, 2, 161-162.	13.6	27
70	Crystal Growth and Ion Exchange in Titanium Silicates. , 2010, , 1637-1662.		8
71	Nanoencapsulation of Insulin into Zirconium Phosphate for Oral Delivery Applications. Biomacromolecules, 2010, 11, 2465-2470.	5.4	113
72	Structural determination and characterization of copper and zinc bis-glycinates with X-ray crystallography and mass spectrometry. Journal of Coordination Chemistry, 2010, 63, 3335-3347.	2.2	19

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73	Supramolecular networks of polymethylphosphonic acid groups bonded to aromatic platforms: biphenyldiyl-2,2â€²-bis(methylphosphonic acid) and benzenetriyl-1,3,5-tris(methylphosphonic acid). Dalton Transactions, 2010, 39, 11008.	3.3	14
74	Effect of Nanoplatelets on the Rheological Behavior of Epoxy Monomers. Macromolecular Materials and Engineering, 2009, 294, 103-113.	3.6	67
75	On 29Si NMR relaxation as a structural criterion for studying paramagnetic supermicroporous silica-based materials: Silica-based materials incorporating Mn2+ ions into the silica matrix of SiO2â€“Al2O3â€“MnO. Solid State Nuclear Magnetic Resonance, 2009, 36, 129-136.	2.3	10
76	Supermicroporous silica-based SiO2â€“Al2O3â€“NiO materials: Solid-state NMR, NMR relaxation and magnetic susceptibility. Microporous and Mesoporous Materials, 2009, 118, 78-86.	4.4	14
77	Tin(iv) phosphonates: porous nanoparticles and pillared materials. Journal of Materials Chemistry, 2009, 19, 2593.	6.7	70
78	Polypropylene Nanocomposites Based on Designed Synthetic Nanoplatelets. Chemistry of Materials, 2009, 21, 1154-1161.	6.7	40
79	Synthesis, Structural and Magnetochemical Studies of Iron Phosphonate Cages Based on {Fe3O}7+Core. Inorganic Chemistry, 2009, 48, 5338-5349.	4.0	45
80	Structure Solution. , 2009, , 261-309.		0
81	Hydrogen storage in highly microporous solids derived from aluminium biphenyldiphosphonate. Journal of Materials Science, 2008, 43, 1155-1158.	3.7	15
82	From non-porous crystalline to amorphous microporous metal(IV) bisphosphonates. Microporous and Mesoporous Materials, 2008, 114, 322-336.	4.4	21
83	Structures of aza-macrocyclic ligands with polyphosphonated dangling groups. Tetrahedron Letters, 2008, 49, 3512-3515.	1.4	7
84	Sn(iv) phosphonates as catalysts in solvent-free Baeyerâ€“Villiger oxidations using H2O2. Chemical Communications, 2008, , 5556.	4.1	31
85	Unconventional metal organic frameworks: porous cross-linked phosphonates. Dalton Transactions, 2008, , 6089.	3.3	134
86	Solvothermal Synthesis and Characterization of Two High-Nuclearity Mixed-Valent Manganese Phosphonate Clusters. Inorganic Chemistry, 2008, 47, 3489-3491.	4.0	67
87	Mixed-Valent Dodecanuclear Vanadium Cluster Encapsulating Chloride Anions and Its Reaction To Form a â€œBowlâ€•Shaped Cluster. Inorganic Chemistry, 2008, 47, 3492-3494.	4.0	49
88	Formation of Ni/NiO Nanoparticles in Supermicroporous Silica-Based SiO2-Al2O3-NiO Materials: Structural and Magnetic Studies. , 2008, , .		0
89	Synthesis and Characterization of Protonated Zirconium Trisilicate and Its Exchange Phases with Strontium. Journal of Physical Chemistry A, 2008, 112, 2589-2597.	2.5	10
90	Synthesis and Characterization of High Nuclearity Iron(III) Phosphonate Molecular Clusters. Inorganic Chemistry, 2008, 47, 5573-5579.	4.0	56

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91	Hydrogen-Bonded Structures Formed from the Reaction of 1,3,5-Benzene-triphosphonic Acid and Adamantane. Crystal Growth and Design, 2008, 8, 2892-2898.	3.0	15
92	The Mechanism Responsible for Extraordinary Cs Ion Selectivity in Crystalline Silicotitanate. Journal of the American Chemical Society, 2008, 130, 11689-11694.	13.7	132
93	Nature's Nanoparticles: Group 4 Phosphonates. , 2007, , 125-158.		0
94	Metal Phosphonate Chemistry. Progress in Inorganic Chemistry, 2007, , 371-510.	3.0	326
95	Layered microporous tin(iv) bisphosphonates. Dalton Transactions, 2007, , 2394-2404.	3.3	30
96	The origin of ion exchange selectivity in a porous framework titanium silicate. Journal of Materials Chemistry, 2007, 17, 4839.	6.7	40
97	Synthesis and Characterization of Four Metalâ^'Organophosphonates with One-, Two-, and Three-Dimensional Structures. Inorganic Chemistry, 2007, 46, 5229-5236.	4.0	75
98	Preparation of Exfoliated Epoxy/Î±-Zirconium Phosphate Nanocomposites Containing High Aspect Ratio Nanoplatelets. Chemistry of Materials, 2007, 19, 1749-1754.	6.7	148
99	Role of the Hydroxylâ^'Water Hydrogen-Bond Network in Structural Transitions and Selectivity toward Cesium in Cs0.38(D1.08H0.54)SiTi2O7Â·(D0.86H0.14)2O Crystalline Silicotitanate. Inorganic Chemistry, 2007, 46, 1081-1089.	4.0	28
100	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
101	Structural and Mechanistic Investigation of Rubidium Ion Exchange in Potassium Zirconium Trisilicate. Chemistry of Materials, 2007, 19, 384-392.	6.7	15
102	Preparation of Î±-zirconium phosphate nanoplatelets with wide variations in aspect ratios. New Journal of Chemistry, 2007, 31, 39-43.	2.8	267
103	Effective Intercalation and Exfoliation of Nanoplatelets in Epoxy via Creation of Porous Pathways. Journal of Physical Chemistry C, 2007, 111, 10377-10381.	3.1	67
104	Structure of a paramagnetic supermicroporous silica-based material via a multinuclear solid-state NMR monitoring. Magnetic Resonance in Chemistry, 2007, 45, 118-122.	1.9	9
105	Effect of nanoplatelet dispersion on mechanical behavior of polymer nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1459-1469.	2.1	101
106	Intercalation of polyetheramines into Î±-zirconium phosphate. Journal of Materials Chemistry, 2006, 16, 759-764.	6.7	27
107	Oxo-, Hydroxo-, and Peroxo-Bridged Fe(III) Phosphonate Cages. Journal of the American Chemical Society, 2006, 128, 9604-9605.	13.7	103
108	Globular Porous Nanoparticle Tin(IV) Phenylphosphonates and Mixed Methyl Phenylphosphonates. Chemistry of Materials, 2006, 18, 5213-5222.	6.7	21

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109	Rational Design and Synthesis of Porous Organicâ"Inorganic Hybrid Frameworks Constructed by 1,3,5-Benzenetriphosphonic Acid and Pyridine Synthons. Inorganic Chemistry, 2006, 45, 977-986.	4.0	117
110	Coordination chemistry of phosphonic acids with special relevance to rare earths. Journal of Alloys and Compounds, 2006, 418, 128-138.	5.5	49
111	Redetermination of bis(2-amino-3-hydroxy-1-phenylpropanolato-Î²2 N,O 1)(ethylenediamine-Î²2) Tj ETQq1 1 0.784314 rgBT /Overlock 10 62, m696-m698.	0.2	1
112	Control of micropore size in supermicroporous titaniaâ€"chromia system TiO2â€"Cr2O3. Inorganic Chemistry Communication, 2006, 9, 1136-1140.	3.9	5
113	Microporous aluminum bisphosphonates. Microporous and Mesoporous Materials, 2006, 88, 293-303.	4.4	39
114	Supermicroporous aluminaâ€"silica zinc oxides. Microporous and Mesoporous Materials, 2006, 90, 81-86.	4.4	27
115	Structures of transition and alkaline earth metal salts of 5-aminonaphthalene-2-sulfonate and 6-aminonaphthalene-1, 3-disulfonate: Some unusual coordination behaviors. Journal of Chemical Crystallography, 2006, 36, 487-501.	1.1	9
116	Synthesis of carbon-11 and fluorine-18 labeled N-acetyl-1-aryl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline derivatives as new potential PET AMPA receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2229-2233.	2.2	52
117	Solid-state NMR spectra of paramagnetic silica-based materials: observation of29Si and27Al nuclei in the first coordination spheres of manganese ions. Magnetic Resonance in Chemistry, 2006, 44, 861-867.	1.9	26
118	29 Si spin-lattice NMR relaxation in microporous silica-based materials with high Mn2+ concentrations. Magnetic Resonance in Chemistry, 2006, 44, 985-988.	1.9	12
119	Synthesis of Carbon-11 Labeled Triphenylacetamides as Novel Potential PET Melanoma Cancer Imaging Agents. Synthesis, 2006, 2006, 2301-2304.	2.3	0
120	The crystal structures of strontium exchanged sodium titanosilicates in relation to selectivity for nuclear waste treatment. Journal of Solid State Chemistry, 2005, 178, 253-261.	2.9	30
121	A novel inorganicâ€"organic compound: Synthesis and structural characterization of tin(II) phenylbis(phosphonate), Sn2(PO3C6H4PO3). Journal of Solid State Chemistry, 2005, 178, 1321-1325.	2.9	13
122	[H2en]2{La2M(SO4)6(H2O)2} (M=Co, Ni): First organically templated 3dâ€"4f mixed metal sulfates. Journal of Solid State Chemistry, 2005, 178, 2030-2035.	2.9	39
123	Sulfurâ€Containing Chiral Bis(oxazolines) Tested in Copperâ€Catalyzed Asymmetric Cyclopropanation. Synthetic Communications, 2005, 35, 2665-2673.	2.1	13
124	Ab-initio Powder Structure Determination of Dichloro[1,2-ethanediylbis(iminomethylene)bis(phosphonato)]trizinc Dihydrate. European Journal of Inorganic Chemistry, 2005, 2005, 829-836.	2.0	1
125	Structural characterization of Cd3(O3PC2H4CO2)2Â·2H2O from in-house X-ray powder data and NMR. Acta Crystallographica Section B: Structural Science, 2005, 61, 669-674.	1.8	9
126	Novel copper macrocyclic leaflet with N-phosphonomethyl-monoaza-18-crown-6. Chemical Communications, 2005, , 1005.	4.1	12

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127	New families of supermicroporous metal oxides: the link between zeolites and mesoporous materials. Chemical Communications, 2005, , 2396.	4.1	23
128	Crystal-Engineered Three-Dimensional Hydrogen-Bonding Networks Built with 1,3,5-Benzenetri(phosphonic acid) and Bipyridine Synthons. Crystal Growth and Design, 2005, 5, 1767-1773.	3.0	51
129	Supramolecular Hydrogen-Bonded Frameworks from 6-Phosphonopyridine-2-carboxylic Acid and Transition Metal Ions. Crystal Growth and Design, 2005, 5, 1263-1270.	3.0	25
130	A Family of Microporous Materials Formed by Sn(IV) Phosphonate Nanoparticles. Journal of the American Chemical Society, 2005, 127, 10826-10827.	13.7	80
131	Novel Chiral â€œCalixsalenâ€•Macrocycle and Chiral Robson-type Macrocyclic Complexes. Inorganic Chemistry, 2005, 44, 232-241.	4.0	78
132	Crystal Engineered Acidâ^'Base Complexes with 2D and 3D Hydrogen Bonding Systems Using a Bisphosphonic Acid as the Building Block. Crystal Growth and Design, 2005, 5, 643-649.	3.0	29
133	Effect of Crystallinity on the Intercalation of Monoamine in Î±-Zirconium Phosphate Layer Structure. Chemistry of Materials, 2005, 17, 5606-5609.	6.7	133
134	Synthesis and characterization of metal carboxyalkylphosphonates hybridÂmaterials. Solid State Sciences, 2004, 6, 479-487.	3.2	37
135	Optimizing Cs-exchange in titanosilicate with the mineral pharmacosiderite topology: framework substitution of Nb and Ge. Journal of Solid State Chemistry, 2004, 177, 2903-2915.	2.9	25
136	Magnetic Property Studies of Manganeseâ€”Phosphate Complexes.. ChemInform, 2004, 35, no.	0.0	0
137	Novel Structure-Defined Chiral Bis(oxazolinyl)thiophenes for Ru-Catalyzed Asymmetric Cyclopropanation.. ChemInform, 2004, 35, no.	0.0	0
138	Studies on catalytic functionality of V2O5/Nb2O5 catalysts. Journal of Molecular Catalysis A, 2004, 216, 139-146.	4.8	24
139	Novel structure-defined chiral bis(oxazolinyl)thiophenes for Ru-catalyzed asymmetric cyclopropanation. Tetrahedron Letters, 2004, 45, 5649-5652.	1.4	23
140	Hydrothermal syntheses, characterizations and crystal structures of a new lead(II) carboxylate-phosphonate with a double layer structure and a new nickel(II) carboxylate-phosphonate containing a hydrogen-bonded 2D layer with intercalation of ethylenediamines. Journal of Solid State Chemistry, 2004, 177, 633-641.	2.9	29
141	Synthesis and crystal structure of nickel and cobalt complexes with tetraazamacrocyclic ligand attached four dangling pyridinyl groups. Inorganic Chemistry Communication, 2004, 7, 195-200.	3.9	7
142	A Molecular Modeling Investigation of Cation and Water Siting in Crystalline Silicotitanates. Journal of Physical Chemistry B, 2004, 108, 17560-17570.	2.6	9
143	A Novel Cadmium Aminophosphonate:Â X-ray Powder Diffraction Structure, Solid-State IR and NMR Spectroscopic Determination of the Fine Structure of the Organic Moieties. Inorganic Chemistry, 2004, 43, 1264-1272.	4.0	25
144	Synthesis, Characterization, and Crystal Structures of Three New Divalent Metal Carboxylateâ^'Sulfonates with a Layered and One-Dimensional Structure. Inorganic Chemistry, 2004, 43, 336-341.	4.0	109

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145	Synthesis and Characterization of a New Bisphosphonic Acid and Several Metal Hybrids Derivatives. Inorganic Chemistry, 2004, 43, 5283-5293.	4.0	54
146	DOTPâˆ'Manganese and âˆ'Nickel Complexes:Â from a Tetrahedral Network with 12-Membered Rings to an Ionic Phosphonate. Inorganic Chemistry, 2004, 43, 7308-7314.	4.0	30
147	Syntheses, Structure, and Magnetic Properties of New Types of Cu(II), Co(II), and Mn(II) Organophosphonate Materials:Â Three-Dimensional Frameworks and a One-Dimensional Chain Motif. Chemistry of Materials, 2004, 16, 3020-3031.	6.7	75
148	Crystallization of Sodium Titanium Silicate with Sitinakite Topology:Â Evolution from the Sodium Nonatitanate Phase. Chemistry of Materials, 2004, 16, 3659-3666.	6.7	30
149	Syntheses, Characterizations, and Crystal Structures of Three New Metal Phosphonocarboxylates with a Layered and a Microporous Structure. European Journal of Inorganic Chemistry, 2003, 2003, 4211-4217.	2.0	50
150	Novel Hybrid Porous 3D Networks of Lead(II) Diphosphonate and Triphosphonate Containing 1,3,5-Benzenetricarboxylate. European Journal of Inorganic Chemistry, 2003, 2003, 4218-4226.	2.0	65
151	The First Framework Solid Composed of Vanadosilicate Clusters.. ChemInform, 2003, 34, no.	0.0	0
152	Novel 30-membered octaazamacrocyclic ligand: synthesis, characterization, thermodynamic stabilities and DNA cleavage activity of homodinuclear copper and nickel complexes. Inorganica Chimica Acta, 2003, 342, 158-170.	2.4	29
153	A new oxo-azamacrocyclic ligand: 13,27-dimethyl-6,20-dioxa-3,9,17,23-tetraaza-tricyclo[23.3.1.111,15]triaconta-1(29),11, 13,15(30),25,27-hexaene-29,30-diol, and a dinuclear copper(II) complex: syntheses, characterization and binding ability. Inorganica Chimica Acta, 2003, 342, 260-266.	2.4	10
154	Selectivity for Cs and Sr in Nb-substituted titanosilicate with sitinakite topology. Journal of Solid State Chemistry, 2003, 175, 72-83.	2.9	68
155	Hydrothermal syntheses, characterizations and crystal structures of three new cadmium (II) amino-diphosphonates: effects of substitute groups on the structures of metal phosphonates. Journal of Solid State Chemistry, 2003, 176, 62-68.	2.9	36
156	Novel dioxotetrazamacrocyclic â€œsandwichâ€•complexes â€“ synthesis and structural characterization. Inorganic Chemistry Communication, 2003, 6, 317-321.	3.9	1
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