Ramaswamy Murugavel

List of Publications by Year
in descending order

193 papers	7,502 citations	50276 46 h-index	71685 76 g-index
206 all docs	206 docs citations	206 times ranked	5175 citing authors

#	Article	IF	Citations
1	Hetero- and Metallasiloxanes Derived from Silanediols, Disilanols, Silanetriols, and Trisilanols. Chemical Reviews, 1996, 96, 2205-2236.	47.7	575
2	An air-stable Dy(<scp>iii</scp>) single-ion magnet with high anisotropy barrier and blocking temperature. Chemical Science, 2016, 7, 5181-5191.	7.4	477
3	Organometallic Fluorides:â€‰ Compounds Containing Carbonâ^'Metalâ^'Fluorine Fragments of d-Block Metals. Chemical Reviews, 1997, 97, 3425-3468.	47.7	286
4	Molecular Phosphonate Cages:â€‰ Model Compounds and Starting Materials for Phosphate Materials. Accounts of Chemical Research, 1999, 32, 117-126.	15.6	201
5	Discrete Silanetriols:â€‰ Building Blocks for Three-Dimensional Metallasiloxanes. Accounts of Chemical Research, 1996, 29, 183-189.	15.6	194
6	Titanosilicates: Recent Developments in Synthesis and Use as Oxidation Catalysts. Angewandte Chemie International Edition in English, 1997, 36, 477-479.	4.4	160
7	[3+3] Imine and Î²-ketoenamine tethered fluorescent covalent-organic frameworks for CO₂ uptake and nitroaromatic sensing. Journal of Materials Chemistry C, 2015, 3, 7159-7171.	5.5	135
8	Cyclopentadiene Based Low-Valent Group 13 Metal Compounds: Ligands in Coordination Chemistry and Link between Metal Rich Molecules and Intermetallic Materials. Chemical Reviews, 2012, 112, 3136-3170.	47.7	131
9	Is Water a Friend or Foe in Organometallic Chemistry? The Case of Group 13 Organometallic Compoundsâ€. Accounts of Chemical Research, 2001, 34, 201-211.	15.6	120
10	Hexameric Organotincarboxylates with Cyclic and Drum Structures. Organometallics, 2004, 23, 5644-5647.	2.3	110
11	Anionic metalâ€“organic and cationic organic layer alternation in the coordination polymers [{M(BTEC)(OH2)4}Â·{C4H12N2}Â·4H2O]n (M = Co, Ni, and Zn; BTEC = 1,2,4,5-benzenetetracarboxylate). Dalton Transactions RSC, 2002, , 34-39.	2.3	105
12	Synthesis, Spectral Characterization, and Structural Studies of 2-Aminobenzoate Complexes of Divalent Alkaline Earth Metal Ions:Â X-ray Crystal Structures of [Ca(2-aba)2(OH2)3]â^ž, [{Sr(2-aba)2(OH2)2}Â·H2O]â^ž, and [Ba(2-aba)2(OH2)]â^ž(2-abaH = 2-NH2C6H4COOH)â€. Inorganic Chemistry, 2000, 39, 1381-1390.	4.0	100
13	Enriching lanthanide single-ion magnetism through symmetry and axiality. Chemical Communications, 2018, 54, 3685-3696.	4.1	99
14	Reactions of 2-Mercaptobenzoic Acid with Divalent Alkaline Earth Metal Ions:Â Synthesis, Spectral Studies, and Single-Crystal X-ray Structures of Calcium, Strontium, and Barium Complexes of 2,2â€˜-Dithiobis(benzoic acid)â€‚â€¡. Inorganic Chemistry, 2001, 40, 6870-6878.	4.0	97
15	Di-tert-butyl Phosphate Complexes of Cobalt(II) and Zinc(II) as Precursors for Ceramic M(PO3)2and M2P2O7Materials:Â Synthesis, Spectral Characterization, Structural Studies, and Role of Auxiliary Ligandsâ€. Inorganic Chemistry, 2001, 40, 427-434.	4.0	89
16	New Lipophilic Air-Stable Silanetriols: First Example of an X-ray Crystal Structure of a Silanetriol with Si-N Bonds. Organometallics, 1995, 14, 5298-5301.	2.3	85
17	Hierarchical Structures Built from a Molecular Zinc Phosphate Core. Angewandte Chemie - International Edition, 2006, 45, 5536-5540.	13.8	83
18	Facile synthesis of NiO@Ni(OH)2-Î±-MoO3 nanocomposite for enhanced solid-state symmetric supercapacitor application. Journal of Colloid and Interface Science, 2021, 585, 505-518.	9.4	81

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19	An unprecedented zero field neodymium(<scp>iii</scp>) single-ion magnet based on a phosphonic diamide. Chemical Communications, 2016, 52, 7168-7171.	4.1	80
20	[Am]Mn(H₂POO)₃: A New Family of Hybrid Perovskites Based on the Hypophosphite Ligand. Journal of the American Chemical Society, 2017, 139, 16999-17002.	13.7	75
21	Organosilanetriols: model compounds and potential precursors for metal-containing silicate assemblies. Applied Organometallic Chemistry, 1999, 13, 227-243.	3.5	71
22	Seeking tetrameric transition metal phosphonate with a D4R core and organising it into a 3-D supramolecular assembly. Chemical Communications, 2007, , 1257.	4.1	70
23	Compositional Control as the Key for Achieving Highly Efficient OER Electrocatalysis with Cobalt Phosphates Decorated Nanocarbon Florets. Small, 2020, 16, e1903334.	10.0	66
24	Cyclic and Polyhedral Aluminosiloxanes with Al2Si2O4, Al4Si2O6, and Al4Si4O12 Frameworks:â€‰ X-ray Crystal Structures of [(2,4,6-Me3C6H2)N(SiMe3)Si(OAlBu-i)(OAl(Bu-i)2)O]2 and [(2,6-Me2C6H3)N(SiMe3)SiO3AlÂ·C4H8O2]4. Organometallics, 1996, 15, 918-922.	2.3	64
25	Polyhedral Ferrous and Ferric Siloxanes. Angewandte Chemie - International Edition, 2004, 43, 3832-3835.	13.8	64
26	Selective fluorescence sensing of polynitroaromatic explosives using triaminophenylbenzene scaffolds. Physical Chemistry Chemical Physics, 2014, 16, 10651-10658.	2.8	64
27	Monomeric, Tetrameric, and Polymeric Copper Di-tert-butyl Phosphate Complexes Containing Pyridine Ancillary Ligandsâ€‚âŠ¥. Inorganic Chemistry, 2004, 43, 945-953.	4.0	63
28	Non-Interpenetrating Transition Metal Diorganophosphate 2-Dimensional Rectangular Grids from Their 1-Dimensional Wires:Â Structural Transformations under Mild Conditionsâ€. Inorganic Chemistry, 2005, 44, 6314-6323.	4.0	63
29	Cobalt and Manganese Nets via Their Wires:Â Facile Transformation in Metalâ¯Diorganophosphates. Inorganic Chemistry, 2004, 43, 7585-7587.	4.0	62
30	Octameric and Decameric Aluminophosphates. Angewandte Chemie - International Edition, 2006, 45, 7022-7026.	13.8	61
31	Charge transfer aided selective sensing and capture of picric acid by triphenylbenzenes. New Journal of Chemistry, 2015, 39, 886-892.	2.8	59
32	Facile and Rational Route for High-Yield Synthesis of Titanasiloxanes from Aminosilanetriols. Organometallics, 1996, 15, 1610-1613.	2.3	58
33	A Nanoscopic Molecular Cadmium Phosphonate Wrapped in a Hydrocarbon Sheath. Angewandte Chemie - International Edition, 2003, 42, 4482-4485.	13.8	56
34	Structural Diversity and Supramolecular Aggregation in Calcium, Strontium, and Barium Salicylates Incorporating 1,10-Phenanthroline and 4,4â€²-Bipyridine:â€‰ Probing the Softer Side of Group 2 Metal Ions with Pyridinic Ligands. Inorganic Chemistry, 2007, 46, 11048-11062.	4.0	56
35	Syntheses, Spectroscopy, Structures, and Reactivity of Neutral Cubic Group 13 Molecular Phosphonatesâ€. Inorganic Chemistry, 1997, 36, 4202-4207.	4.0	55
36	The First Molecular Borophosphonate Cage:Â Synthesis, Spectroscopy, and Single-Crystal X-ray Structureâ€. Organometallics, 1997, 16, 516-518.	2.3	55

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37	Di-tert-butyl Phosphate as Synthon for Metal Phosphate Materials via Single-Source Coordination Polymers [M(dtbp)2]n(M = Mn, Cu) and [Cd(dtbp)2(H2O)]n(dtbp-H = (tBuO)2P(O)OH)â€. Inorganic Chemistry, 2002, 41, 6404-6411.	4.0	53
38	A Novel Molecular Gallium Phosphonate Cage Containing Sandwiched Lithium Ions:Â Synthesis, Structure, and Reactivity. Journal of the American Chemical Society, 1997, 119, 4656-4661.	13.7	52
39	Formation of One-Dimensional Water Inside an Organic Solid:â€‰ Supramolecular Architectures Derived by the Interaction of Aminobenzoic Acids with Nitrogen Bases and H2SO4â€. Crystal Growth and Design, 2004, 4, 545-552.	3.0	52
40	The Role of the 2,4,6â€Tris(trifluoromethyl)phenylamino Group in Stabilizing New Phosphorusâ€, Arsenicâ€, and Germaniumâ€Containing Mainâ€Group Compounds and Transitionâ€Metal Derivatives. Chemische Berichte, 1997, 130, 1113-1121.	0.2	51
41	Reactions of Trialkyl Phosphates with Trialkyls of Aluminum and Gallium:â€‰ New Route to Alumino- and Gallophosphate Compounds via Dealkylsilylation. Organometallics, 1999, 18, 523-528.	2.3	51
42	Assembling metal phosphonates in the presence of monodentate-terminal and bidentate-bridging pyridine ligands. Use of non-covalent and covalent-coordinate interactions to build polymeric metalâ€“phosphonate architectures. Dalton Transactions, 2008, , 5358.	3.3	51
43	Reactivity Studies, Structural Characterization, and Thermolysis of Cubic Titanosiloxanes:â€‰ Precursors to Titanosilicate Materials Which Catalyze Olefin Epoxidation. Inorganic Chemistry, 2003, 42, 4696-4706.	4.0	50
44	First alkaline earth metal 3-aminobenzoate (3-aba) complex: 1-D polymeric [Ca(3-aba)2(H2O)2]n assembly. Inorganic Chemistry Communication, 2003, 6, 810-814.	3.9	49
45	Discrete {Gd^{III}₄M} (M = Gd^{III} or Co^{II}) pentanuclear complexes: a new class of metal-organophosphate molecular coolers. Dalton Transactions, 2015, 44, 5961-5965.	3.3	49
46	Novel Organic-Soluble Molecular Titanophosphonates with Cage Structures Comparable to Titanium-Containing Silicatesâ€. Organometallics, 1998, 17, 2865-2868.	2.3	47
47	Soluble Molecular Titanosilicates. Angewandte Chemie International Edition in English, 1997, 36, 1001-1003.	4.4	46
48	Catalysis and CO₂ Capture by Palladiumâ€Incorporated Covalent Organic Frameworks. ChemPlusChem, 2017, 82, 1253-1265.	2.8	46
49	Noncovalent Synthesis of Hierarchical Zinc Phosphates from a Single Zn₄O₁₂P₄ Doubleâ€Fourâ€Ring Building Block: Dimensionality Control through the Choice of Auxiliary Ligands. Chemistry - A European Journal, 2010, 16, 994-1009.	3.3	44
50	Stabilization of Organosilanetriols in Amine Matrices:Â Trapping Intermediates between RSi(OH)3and (RSiO3)3-AnionsÂ§. Organometallics, 2004, 23, 2305-2314.	2.3	43
51	Oâ€“H Bond elongation in co-ordinated water through intramolecular Pî€Oâ‹¯Hâ€“O bonding. â€˜Snap-shotsâ€™ in phosphate ester hydrolysis. Chemical Communications, 2003, , 2546-2547.	4.1	42
52	A novel dimeric copper salicylate with an undissociated COOH group: Synthesis and crystal structure of [Cu2(HSal)(Sal)(2,2â€²-bpy)2](ClO4). Inorganic Chemistry Communication, 2006, 9, 1002-1006.	3.9	42
53	Di-, Tri-, Tetra-, and Hexanuclear Copper(II) Mono-organophosphates: Structure and Nuclearity Dependence on the Choice of Phosphorus Substituents and Auxiliary N-Donor Ligands. Inorganic Chemistry, 2009, 48, 183-192.	4.0	42
54	Pentanuclear Lanthanide Mono-organophosphates: Synthesis, Structure, and Magnetism. Inorganic Chemistry, 2017, 56, 3946-3960.	4.0	41

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55	Synthesis and Structure of Gallium Siloxane Cages: Model Substances for Gallium-Containing Silicates. Angewandte Chemie International Edition in English, 1996, 35, 748-750.	4.4	40
56	Cubic Group 13 Heterosiloxanes with Four Co3(CO)9C Cluster Units as Substituents:Â Novel Soluble Model Compounds for Synthetic Zeolites Showing Catalytic Activity in Hydroformylation Reactions. Journal of the American Chemical Society, 1996, 118, 8580-8587.	13.7	39
57	Picric acid sensing and $$hbox {CO}_{2}$$ CO 2 capture by a sterically encumbered azo-linked fluorescent triphenylbenzene based covalent organic polymer. Journal of Chemical Sciences, 2018, 130, 1.	1.5	39
58	Gallophosphonates Containing Alkali Metal Ions. 2.1 Synthesis and Structure of Gallophosphonates Incorporating Na+ and K+ Ions. Inorganic Chemistry, 1998, 37, 473-478.	4.0	38
59	A Double Helix Is the Repeating Unit in a Luminescent Calcium 5-Aminoisophthalate Supramolecular Edifice with Water-Filled Hexagonal Channels. Inorganic Chemistry, 2007, 46, 6828-6830.	4.0	38
60	High-Pressure Crystallographic and Magnetic Studies of Pseudo-D₅h</sub> Symmetric Dy(III) and Ho(III) Single-Molecule Magnets. Inorganic Chemistry, 2020, 59, 717-729.	4.0	38
61	Stannasiloxanes with Acyclic, Bicyclic, and Cubic Core Structures:Â X-ray Crystal Structure of the Bicyclic Compound [RSi(OSnPh2O)3SiR] (R = (2,6-Me2C6H3)NSiMe3)â€. Organometallics, 1996, 15, 5097-5101.	2.3	37
62	Water in Organoaluminum Chemistry! Threeâ€inâ€One Aluminophosphate Clusters That Incorporate Boehmite Repeating Units. Chemistry - A European Journal, 2008, 14, 3869-3873.	3.3	37
63	Fluoride Ion Sensing and Caging by a Preformed Molecular D4R Zinc Phosphate Heterocubane. Inorganic Chemistry, 2014, 53, 3345-3353.	4.0	37
64	Bimetallic Nanoparticles Anchored on Coreâ€“Shell Support as an Easily Recoverable and Reusable Catalytic System for Efficient Nitroarene Reduction. ACS Omega, 2019, 4, 9241-9250.	3.5	37
65	Tetra- and Decanuclear Iron(III) Phosphonates: Observance of a Rare Pâ€“C Bond Cleavage in a Homogeneous Medium. Inorganic Chemistry, 2009, 48, 646-651.	4.0	35
66	Synthesis, spectral characterization, and single crystal X-ray structures of a series of manganese-2,2â€²-bipyridine complexes derived from substituted aromatic carboxylic acids. Inorganica Chimica Acta, 2011, 365, 430-438.	2.4	35
67	Synthese und Struktur von GalliumsiloxankÃfigen: Modellsubstanzen fÃ¼r galliumhaltige Silicate. Angewandte Chemie, 1996, 108, 823-825.	2.0	33
68	Structural Diversity in Zinc Phosphates and Phosphinates: Observation of a Lattice Water Dimer Sandwiched Between Phosphoryl Oxygen Atoms. European Journal of Inorganic Chemistry, 2008, 2008, 1834-1845.	2.0	32
69	Cationic D4R zinc phosphateâ€“anionic polyoxometalate hybrids: synthesis, spectra, structure and catalytic studies. Dalton Transactions, 2013, 42, 9755.	3.3	32
70	Ab Initio Chemical Synthesis of Designer Metal Phosphate Frameworks at Ambient Conditions. Inorganic Chemistry, 2014, 53, 8959-8969.	4.0	32
71	Discrete and polymeric cobalt organophosphates: isolation of a 3-D cobalt phosphate framework exhibiting selective CO₂capture. Dalton Transactions, 2015, 44, 5587-5601.	3.3	32
72	One, two, and three methylene phosphonic acid groups (â€“CH2PO3H2) on a mesitylene ring: synthesis, characterization and aspects of supramolecular aggregation. New Journal of Chemistry, 2010, 34, 1846.	2.8	31

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73	Bulky Isopropyl Group Loaded Tetraaryl Pyrene Based Azo-Linked Covalent Organic Polymer for Nitroaromatics Sensing and CO₂ Adsorption. ACS Omega, 2017, 2, 3572-3582.	3.5	31
74	Synthesis, Spectral Studies, and Structural Characterization of a New Organosilanetriol, Its Amine Complexes, and a Surface Lewis Basic Cubic AluminosilicateÂ§. Organometallics, 2005, 24, 2124-2128.	2.3	30
75	Is a strong axial crystal-field the only essential condition for a large magnetic anisotropy barrier? The case of non-Kramers Ho(<scp>iii</scp>) versus Tb(<scp>iii</scp>). Dalton Transactions, 2018, 47, 357-366.	3.3	30
76	Organic-Soluble Neutral and Ionic Indium Siloxane Cages: Potential Precursors for Indium-Containing Silicates. Angewandte Chemie International Edition in English, 1997, 36, 2203-2205.	4.4	29
77	Monovalent Group 13 Organometallic Compounds: Weak Association to Monomeric, Versatile Two-Electron Donors. Angewandte Chemie - International Edition, 1999, 38, 1211-1215.	13.8	29
78	Organic-Soluble Tri-, Tetra-, and Pentanuclear Titanium(IV) Phosphates. Inorganic Chemistry, 2008, 47, 7686-7694.	4.0	29
79	Cooperative Binding of Phosphate Anion and a Neutral Nitrogen Donor to Alkaline-Earth Metal Ions. Investigation of Group 2 Metalâ"Organophosphate Interaction in the Absence and Presence of 1,10-Phenanthroline. Inorganic Chemistry, 2008, 47, 6028-6039.	4.0	29
80	Octanuclear Zinc Phosphates with Hitherto Unknown Cluster Architectures: Ancillary Ligand and Solvent Assisted Structural Transformations Thereof. Inorganic Chemistry, 2015, 54, 9458-9469.	4.0	29
81	Synthesis and Structure of a Novel Lithium Gallosiloxane Containing a Ga4Si4O8Macrocycle Analogous to the S8R Building Unit of Zeolitesâ€. Organometallics, 2001, 20, 2639-2642.	2.3	28
82	Structural Diversity in Organotin Compounds Derived from Bulky Monoaryl Phosphates: Dimeric, Tetrameric, and Polymeric Tin Phosphate Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 1508-1517.	2.0	28
83	Assembling Discrete D4R Zeolite SBUs through Noncovalent Interactions. 3. Mediation by Butanols and 1,2-Bis(dimethylamino)ethane. Inorganic Chemistry, 2010, 49, 2153-2162.	4.0	28
84	Magnetic relaxation in single-ion magnets formed by less-studied lanthanide ions Ce(III), Nd(III), Gd(III), Ho(III), Tm(II/III) and Yb(III). Coordination Chemistry Reviews, 2022, 453, 214288.	18.8	28
85	An efficient synthetic route to primary and secondary condensation products of silanetriols starting from (arylamino)trichlorosilanes. Chemical Communications, 1996, , 2417-2418.	4.1	27
86	Di-tert-butylphosphate Complexes of Mn(II) and Cu(II) as Single-Source Precursors for Metal Phosphate Materials. Chemistry Letters, 2001, 30, 84-85.	1.3	27
87	Infrared and 29Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols. Journal of Organometallic Chemistry, 1996, 521, 279-286.	1.8	26
88	Microwave assisted solid-state synthesis of functional organotin carboxylates from sterically encumbered 3,5-di-tert-butylsalicylic acid. Journal of Organometallic Chemistry, 2008, 693, 3111-3116.	1.8	26
89	Elusive Double-Eight-Ring Zeolitic Secondary Building Unit. Journal of the American Chemical Society, 2017, 139, 59-62.	13.7	26
90	Synthesis, magnetic behaviour, and X-ray structures of dinuclear copper complexes with multiple bridges. Efficient and selective catalysts for polymerization of 2,6-dimethylphenol. Dalton Transactions, 2007, , 2405-2410.	3.3	25

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91	Controlling the Structure of Manganese(II) Phosphates by the Choice and Ratio of Organophosphate and Auxiliary Ligands. Chemistry - an Asian Journal, 2009, 4, 143-153.	3.3	25
92	Dimensionality Alteration and Intra- versus Inter-SBU Void Encapsulation in Zinc Phosphate Frameworks. Inorganic Chemistry, 2016, 55, 5180-5190.	4.0	25
93	Synthesis, characterization and structures of diphenyldiaminosilanes bearing bulky substituents on nitrogen. Journal of Organometallic Chemistry, 2003, 675, 65-71.	1.8	24
94	Nuclearity Control in Molecular Iron Phosphates through Choice of Iron Precursors and Ancillary Ligands. Chemistry - an Asian Journal, 2009, 4, 923-935.	3.3	24
95	Is Single-4-Ring the Most Basic but Elusive Secondary Building Unit That Transforms to Larger Structures in Zinc Phosphate Chemistry?. Inorganic Chemistry, 2015, 54, 4882-4894.	4.0	24
96	Triphenylbenzene Sensor for Selective Detection of Picric Acid. Journal of Fluorescence, 2017, 27, 1299-1305.	2.5	24
97	Lanthanide Organophosphate Spiro Polymers: Synthesis, Structure, and Magnetocaloric Effect in the Gadolinium Polymer. Inorganic Chemistry, 2017, 56, 9071-9083.	4.0	24
98	A novel cyclic titanasiloxane derived from [Ph2Si(OH)]2O: synthesis and crystal structure of [Cp*Ti(Cl)(OSiPh2OSiPh2OSiPh2O)]. Journal of Organometallic Chemistry, 2001, 625, 195-199.	1.8	23
99	Dependence of the SBU length on the size of metal ions in alkaline earth MOFs derived from a flexible C₃-symmetric tricarboxylic acid. CrystEngComm, 2016, 18, 9130-9138.	2.6	23
100	Conversion of Alkyltantalum Chlorides to Fluorides Using Trimethyltin Fluoride as a Fluorinating Agent. Crystal Structures of (p-MeC6H4CH2)3TaF2, (Me3SnClÂ·Me3SnFÂ·TaF5)n, (Me3Si)2CHTaCl4, {(Me3Si)2CHTaCl4Â·[(Me3Si)2CH]2Ta2Cl6(Ì¼2-O)}, and (Me3Si)2CHTaF4. Organometallics, 1999, 18, 832-836.	2.3	22
101	Stabilization of p-Block Organoelement Terminal Hydroxides, Thiols, and Selenols Requires Newer Synthetic Strategies. Chemistry - A European Journal, 2004, 10, 324-331.	3.3	22
102	Non-covalently aggregated zinc and cadmium complexes derived from substituted aromatic carboxylic acids: Synthesis, spectroscopy, and structural studies. Inorganica Chimica Acta, 2013, 405, 522-531.	2.4	21
103	Containment of Polynitroaromatic Compounds in a Hydrogen Bonded Triarylbenzene Host. Crystal Growth and Design, 2014, 14, 5668-5673.	3.0	21
104	Dinuclear Manganese(II), Cobalt(II), and Nickel(II) Aryl Phosphates Incorporating 4â€²â€²Chloroâ€²,2â€²:6â€²,2â€²â€²â€²Terpyridine Coligands â€“ Efficient Catalysts for Alcohol Oxidation. European Journal of Inorganic Chemistry, 2018, 2018, 795-804.	2.0	20
105	LÃ¶sliche, molekulare Titanosilicate. Angewandte Chemie, 1997, 109, 1020-1022.	2.0	19
106	Rings, chains and cages in metal phosphate chemistry: The interdependence and possible interconversion between various structural forms. Journal of Organometallic Chemistry, 2010, 695, 916-924.	1.8	19
107	Synthetic strategies to achieve further-functionalised monoaryl phosphate primary building units: crystal structures and solid-state aggregation behavior. New Journal of Chemistry, 2015, 39, 1186-1195.	2.8	19
108	Selective formation of discrete versus polymeric copper organophosphates: DNA cleavage and cytotoxic activity. Dalton Transactions, 2017, 46, 13409-13420.	3.3	19

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109	Silanediols Derived from Silanetriols. Xâ€ray Crystal Structures of (2,4,6â€Me₃C₆H₂)N(SiMe₃)Si(OSiMe₃)(OH)₂ and (2,4,6â€Me₃C₆H₂)N(SiMe₃)Si(OSiMe₂R)(OH)₂ [R = CH₂ (2â€NH₂â€3,5â€Me₂C₆H₂)]. Chemische Berichte, 1996, 129, 391-395.	0.2	18
110	Organic Soluble Silicophosphonate [RSi(OH){OP(O)(H)(OH)}]2O (R = (2,6-i-Pr2C6H3)NSiMe3):Â The First Silicophosphonate Containing Free Siâ˜OH and Pâ˜OH Groupsâ€. Inorganic Chemistry, 2001, 40, 1084-1085.	4.0	18
111	First organotin complex of a phosphonic diamide RP(O)(NHR)2. Journal of Organometallic Chemistry, 2007, 692, 1920-1923.	1.8	18
112	Facile Exfoliation of Singleâ€Crystalline Copper Alkylphosphates to Singleâ€Layer Nanosheets and Enhanced Supercapacitance. Angewandte Chemie - International Edition, 2019, 58, 16844-16849.	13.8	18
113	Synthesis, spectral characterization and crystal structures of organophosphonic diamides: pyramidal nitrogen centers and hydrogen bonding in [PhP(O)(NHtBu)2], [PhP(O)(NHDipp)2] (Dippâ€‰=â€‰2,6-iPr2C6H3) and [tBuP(O)(NHiPr)2]. New Journal of Chemistry, 2003, 27, 968-974.	2.8	17
114	Novel Layered Copper Phosphoramidate, Which Contains Six-Membered Rings Made of Five Different Elements. Inorganic Chemistry, 2006, 45, 9154-9156.	4.0	17
115	Asymmetric Pentameric and Tetrameric Organooxotin Clusters: Insights into Their Formation through Partial Dearylation. Organometallics, 2008, 27, 2784-2788.	2.3	17
116	Influence of steric effect on the structural aspects of N,Nâ€²,Nâ€³-triarylguanidine derived six-membered [C,N] palladacycles. Polyhedron, 2013, 52, 1041-1052.	2.2	17
117	The Redox Journey of Iconic Ferrocene: Ferrocenium Dications and Ferrocenate Anions. Angewandte Chemie - International Edition, 2021, 60, 12632-12635.	13.8	17
118	Syntheses, spectroscopy and crystal structures of new group 4 metallasiloxanes. Journal of Molecular Structure, 1997, 436-437, 49-57.	3.6	16
119	Reactions of [(Me3Si)3CAlMe2] with substituted benzoic acids. Isolation of a rare organoalumoxane carboxylate. Journal of Organometallic Chemistry, 2011, 696, 3155-3161.	1.8	16
120	Synthesis and structural characterization of dinuclear complexes of trivalent aluminum, gallium, indium and chromium derived from pyrazole-2-ethanol. Inorganica Chimica Acta, 2011, 377, 105-110.	2.4	15
121	A [4+2] Condensation Strategy to Imineâ€Linked Singleâ€Crystalline Zeoliteâ€Like Zinc Phosphate Frameworks. Chemistry - A European Journal, 2018, 24, 6178-6190.	3.3	15
122	Unprecedented Copper(II) Complex with a Topoquinone-like Moiety as a Structural and Functional Mimic for Copper Amine Oxidase: Role of Copper(II) in the Genesis and Amine Oxidase Activity. ACS Catalysis, 2019, 9, 10940-10950.	11.2	15
123	Pseudopolymorphism leading and two different supramolecular aggregations in a phosphate monoester: role of a rare water-dimer. CrystEngComm, 2014, 16, 51-55.	2.6	14
124	Depalladation of Neutral Monoalkyne- and Dialkyne-Inserted Palladacycles and Alkyne Insertion/Depalladation Reactions of Cationic Palladacycles Derived from N,Nâ€²,Nâ€³-Triarylguanidines as Facile Routes for Guanidine-Containing Heterocycles/Carbocycles: Synthetic, Structural, and Mechanistic Aspects. Organometallics, 2014, 33, 5554-5565.	2.3	14
125	A Solvent Switch for the Stabilization of Multiple Hemiacetals on an Inorganic Platform: Role of Supramolecular Interactions. Chemistry - A European Journal, 2016, 22, 6863-6875.	3.3	14
126	A single-ion single-electron cerrous magnet. Dalton Transactions, 2019, 48, 15928-15935.	3.3	14

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