Vladimir P Fedin

List of Publications by Year
in descending order

568	13,910	31974	45310
papers	citations	53 h-index	90 g-index

595	595	595	8560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Homochiral Metalâ€“Organic Material with Permanent Porosity, Enantioselective Sorption Properties, and Catalytic Activity. Angewandte Chemie - International Edition, 2006, 45, 916-920.	13.8	620
2	Imparting High Proton Conductivity to a Metalâ€“Organic Framework Material by Controlled Acid Impregnation. Journal of the American Chemical Society, 2012, 134, 15640-15643.	13.7	438
3	Heterogeneous selective oxidation catalysts based on coordination polymer MIL-101 and transition metal-substituted polyoxometalates. Journal of Catalysis, 2008, 257, 315-323.	6.2	357
4	Cyclic carbonates synthesis from epoxides and CO2 over metalâ€“organic framework Cr-MIL-101. Journal of Catalysis, 2013, 298, 179-185.	6.2	267
5	Enantioselective Chromatographic Resolution and One-Pot Synthesis of Enantiomerically Pure Sulfoxides over a Homochiral Znâ^'Organic Framework. Journal of the American Chemical Society, 2007, 129, 12958-12959.	13.7	246
6	Hybrid Polyoxotungstate/MIL-101 Materials: Synthesis, Characterization, and Catalysis of H₂O₂-Based Alkene Epoxidation. Inorganic Chemistry, 2010, 49, 2920-2930.	4.0	228
7	Polynuclear halide complexes of Bi(III): From structural diversity to the new properties. Coordination Chemistry Reviews, 2016, 312, 1-21.	18.8	213
8	Solvent-free allylic oxidation of alkenes with O2 mediated by Fe- and Cr-MIL-101. Journal of Catalysis, 2013, 298, 61-69.	6.2	202
9	Supramolecular chemistry of cucurbiturils. Russian Chemical Reviews, 2002, 71, 741-760.	6.5	192
10	Cyclohexane selective oxidation over metalâ€“organic frameworks of MIL-101 family: superior catalytic activity and selectivity. Chemical Communications, 2012, 48, 6812.	4.1	175
11	Isoreticular Homochiral Porous Metalâ^'Organic Structures with Tunable Pore Sizes. Inorganic Chemistry, 2007, 46, 6843-6845.	4.0	151
12	Mono- and polynuclear aqua complexes and cucurbit[6]uril: Versatile building blocks for supramolecular chemistry. Pure and Applied Chemistry, 2004, 76, 1633-1646.	1.9	148
13	Highly luminescent complexes [Mo6X8(n-C3F7COO)6]2â^' (X = Br, I). Dalton Transactions, 2011, 40, 6375.	3.3	133
14	Sandwich-Type Tetranuclear Lanthanide Complexes with Cucurbit[6]uril: From Molecular Compounds to Coordination Polymers. Inorganic Chemistry, 2008, 47, 8869-8880.	4.0	130
15	Chalcogenide clusters of Group 5â€“7 metals. Russian Chemical Reviews, 2007, 76, 529-552.	6.5	109
16	Hydrocarbon oxidation over Fe- and Cr-containing metal-organic frameworks MIL-100 and MIL-101â€“a comparative study. Catalysis Today, 2014, 238, 54-61.	4.4	103
17	Enantioselective sorption of alcohols in a homochiral metalâ€“organic framework. Chemical Communications, 2012, 48, 513-515.	4.1	102
18	A building block strategy to access sulfur-functionalized polyoxometalate based systems using {Mo2S2O2} and {Mo3S4} as constitutional units, linkers or templates. Chemical Society Reviews, 2012, 41, 7335.	38.1	96

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19	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	6.5	93
20	High Proton Conductivity and Spectroscopic Investigations of Metalâ€“Organic Framework Materials Impregnated by Strong Acids. ACS Applied Materials & Interfaces, 2014, 6, 5161-5167.	8.0	92
21	Triangular thiocomplexes of molybdenum: reactions with halogens, hydrohalogen acids and phosphines. Inorganica Chimica Acta, 1990, 167, 39-45.	2.4	91
22	Metalâ€“organic frameworks of the MIL-101 family as heterogeneous single-site catalysts. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 2017-2034.	2.1	91
23	A Series of Mesoporous Metalâ€Organic Frameworks with Tunable Windows Sizes and Exceptionally High Ethane over Ethylene Adsorption Selectivity. Angewandte Chemie - International Edition, 2020, 59, 20561-20567.	13.8	90
24	Cucurbituril as a New Macrocyclic Ligand for Complexation of Lanthanide Cations in Aqueous Solutions. European Journal of Inorganic Chemistry, 2002, 2002, 2380-2388.	2.0	87
25	Tetranuclear Lanthanide Aqua Hydroxo Complexes with Macrocyclic Ligand Cucurbit[6]uril. European Journal of Inorganic Chemistry, 2008, 2008, 416-424.	2.0	86
26	Heterogeneous Selective Oxidation of Alkenes to Î±,Î²â€•Unsaturated Ketones over Coordination Polymer MILâ€•101. Advanced Synthesis and Catalysis, 2010, 352, 2943-2948.	4.3	84
27	Tuning the Molecular and Cationic Affinity in a Series of Multifunctional Metalâ€“Organic Frameworks Based on Dodecanuclear Zn(II) Carboxylate Wheels. Journal of the American Chemical Society, 2019, 141, 17260-17269.	13.7	83
28	Iron tetrasulfophthalocyanine immobilized on metal organic framework MIL-101: synthesis, characterization and catalytic properties. Dalton Transactions, 2011, 40, 1441.	3.3	82
29	Nonconventional Three-Component Hierarchical Hostâ€“Guest Assembly Based on Mo-Blue Ring-Shaped Giant Anion, Î³-Cyclodextrin, and Dawson-type Polyoxometalate. Journal of the American Chemical Society, 2017, 139, 14376-14379.	13.7	81
30	Syntheses, Structures, and Electrochemical Properties of Inclusion Compounds of Cucurbit[8]uril with Cobalt(III) and Nickel(II) Complexes. Inorganic Chemistry, 2008, 47, 6748-6755.	4.0	78
31	Title is missing!. Russian Chemical Bulletin, 2003, 52, 1041-1060.	1.5	75
32	Synthesis of cyclic carbonates from epoxides or olefins and CO2 catalyzed by metal-organic frameworks and quaternary ammonium salts. Journal of Energy Chemistry, 2013, 22, 130-135.	12.9	72
33	Antimony (V) Complex Halides: Leadâ€Free Perovskiteâ€Like Materials for Hybrid Solar Cells. Advanced Energy Materials, 2018, 8, 1701140.	19.5	72
34	A Waterâ€Stable Lanthanide Coordination Polymer as Multicenter Platform for Ratiometric Luminescent Sensing Antibiotics. Chemistry - A European Journal, 2020, 26, 3137-3144.	3.3	72
35	MILâ€101 Supported Polyoxometalates: Synthesis, Characterization, and Catalytic Applications in Selective Liquidâ€Phase Oxidation. Israel Journal of Chemistry, 2011, 51, 281-289.	2.3	71
36	Halogen Contactsâ€Induced Unusual Coloring in Bi^{III} Bromide Complex: Anionâ€toâ€Cation Charge Transfer via Brâ‹…â‹…â‹…Br Interactions. Chemistry - A European Journal, 2017, 23, 15612-15616.	3.3	68

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37	Modular, Homochiral, Porous Coordination Polymers: Rational Design, Enantioselective Guest Exchange Sorption and Ab Initio Calculations of Hostâ€“Guest Interactions. Chemistry - A European Journal, 2010, 16, 10348-10356.	3.3	67
38	Triangular W3S74+ and W3S44+ complexes. Inorganica Chimica Acta, 1990, 175, 217-229.	2.4	65
39	Cluster Transition Metal Chalcogenide Halides. Russian Chemical Reviews, 1985, 54, 408-423.	6.5	64
40	Microporous sensor: gas sorption, guest exchange and guest-dependant luminescence of metalâ€“organic framework. Dalton Transactions, 2011, 40, 2196-2203.	3.3	63
41	Rational Synthesis and Investigation of Porous Metalâ€“Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. Inorganic Chemistry, 2017, 56, 1599-1608.	4.0	63
42	A hydrogen-bonded cluster with â€˜onion-typeâ€™ structure, encapsulated and induced by a spherical cluster shell: [(H2O)nâŠ‚MoVI72MoV60O372(HCO2)30(H2O)72]42â^'. Chemical Communications, 1999, , 927-929.	4.1	62
43	New Lines of Research in Chemistry of Chalcogenide Complexes: From Clusters to Supramolecular Compounds. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 151-158.	1.0	62
44	One- and Two-Dimensional Iodine-Rich Iodobismuthate(III) Complexes: Structure, Optical Properties, and Features of Halogen Bonding in the Solid State. Inorganic Chemistry, 2020, 59, 3290-3296.	4.0	62
45	A Novel Family of Polyiodoâ€Bromoantimonate(III) Complexes: Cationâ€Driven Selfâ€Assembly of Photoconductive Metalâ€Polyhalide Frameworks. Chemistry - A European Journal, 2018, 24, 14707-14711.	3.3	60
46	Bromoâ€and Polybromoantimonates(V): Structural and Theoretical Studies of Hybrid Halogenâ€Rich Halometalate Frameworks. Chemistry - A European Journal, 2018, 24, 10165-10170.	3.3	59
47	Triangular M3Se74+ and M3Se44+ complexes (M = Mo, W). An X-ray study of Mo3Se7(Et2NCS2)4 and W3Se7(Et2NCS2)4. Inorganica Chimica Acta, 1991, 187, 81-90.	2.4	58
48	One-dimensional polymeric polybromotellurates(‹scp›iv‹/scp›): structural and theoretical insights into halogenâ‹halogen contacts. CrystEngComm, 2017, 19, 5934-5939.	2.6	58
49	Synthesis and vibrational (IR and Raman) spectroscopic study of triangular thio-complexes [Mo3S13]2â^' containing 92Mo, 100Mo and 34S isotopes. Polyhedron, 1989, 8, 2419-2423.	2.2	57
50	Supramolecular Assemblies Based on Cucurbituril Adducts of Hydrogen-Bonded Molybdenum and Tungsten Incomplete Cuboidal Aqua Complexes. Inorganic Chemistry, 2000, 39, 2227-2230.	4.0	57
51	Alkynyl Complexes of High-Valence Clusters. Synthesis and Luminescence Properties of [Mo‹sub›6‹/sub›I‹sub›8‹/sub›(Câ‰¡CC(O)OMe)‹sub›6‹/sub›]‹sup›2â€'‹/sup›, the First Complex with Exclusively Organometallic Outer Ligands in the Family of Octahedral {M‹sub›6‹/sub›X‹sub›8‹/sub›} Clusters. Inorganic Chemistry, 2013, 52, 12477-12481.	4.0	57
52	Bromine-rich complexes of bismuth: experimental and theoretical studies. Dalton Transactions, 2018, 47, 2683-2689.	3.3	56
53	Metal Incorporation into and Dimerization of M3E4 Clusters (M=Mo, W; E=S, Se) in Supramolecular Assemblies with Cucurbituril: A Molecular Model of Intercalation. Angewandte Chemie - International Edition, 2000, 39, 1659-1661.	13.8	53
54	Multifunctional Metalâ€“Organic Frameworks Based on Redox-Active Rhenium Octahedral Clusters. Inorganic Chemistry, 2018, 57, 2072-2084.	4.0	53

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55	Polymeric iodobismuthates {[Bi₃I₁₀]} and {[BiI₄]} with N-heterocyclic cations: promising perovskite-like photoactive materials for electronic devices. Journal of Materials Chemistry A, 2019, 7, 5957-5966.	10.3	53
56	One-Dimensional Diiodineâ€“Iodobismuthate(III) Hybrids Cat₃{[Bi₂I₉](I₂)₃}: Syntheses, Stability, and Optical Properties. Inorganic Chemistry, 2020, 59, 17320-17325.	4.0	53
57	Bromobismuthates: Cation-induced structural diversity and Hirshfeld surface analysis of cationâ€“anion contacts. Polyhedron, 2018, 139, 282-288.	2.2	52
58	Synthesis, Structure, and Properties of Molybdenum and Tungsten Cyano Complexes with Cuboidal M4(Î¼3-E)4(M = Mo, W; E = S, Se, Te) Cores. Inorganic Chemistry, 1999, 38, 1956-1965.	4.0	51
59	Phosphorous Acid and Arsenious Acid as Ligands. Inorganic Chemistry, 2001, 40, 4816-4817.	4.0	51
60	Chalcogenide clusters of vanadium, niobium and tantalum. Coordination Chemistry Reviews, 2004, 248, 925-944.	18.8	50
61	Solid-State Supramolecular Assemblies of Tryptophan and Tryptamine with Cucurbit[6]Uril. Crystal Growth and Design, 2012, 12, 550-555.	3.0	50
62	Enhancement of CO₂ Uptake and Selectivity in a Metalâ€“Organic Framework by the Incorporation of Thiophene Functionality. Inorganic Chemistry, 2018, 57, 5074-5082.	4.0	50
63	Halobismuthates with halopyridinium cations: appearance or non-appearance of unusual colouring. CrystEngComm, 2018, 20, 7766-7772.	2.6	50
64	Mechanochemical synthesis of soluble complexes containing M3S74+ and M3Se74+ fragments from polymeric M3Y7Br4 (M î—» Mo, W; Y î—» S, Se). The crystal structure of (PPN)2W3S7Cl6. Polyhedron, 1991, 10, 1311-1317.	2.2	49
65	Synthesis and crystal structures of PrIII and NdIII complexes with the macrocyclic cavitand cucurbit[6]uril. Russian Chemical Bulletin, 2006, 55, 1566-1573.	1.5	49
66	Family of Robust and Strongly Luminescent CuI-Based Hybrid Networks Made of Ionic and Dative Bonds. Chemistry of Materials, 2020, 32, 10708-10718.	6.7	49
67	Halogen bonding-assisted assembly of bromoantimonate(<scp>v</scp>) and polybromide-bromoantimonate-based frameworks. CrystEngComm, 2019, 21, 850-856.	2.6	48
68	Exceptionally effective benzene/cyclohexane separation using a nitro-decorated metalâ€“organic framework. Chemical Communications, 2020, 56, 8241-8244.	4.1	48
69	Sc(III), Eu(III), and Gd(III) Complexes with Macrocyclic Cavitand Cucurbit[6]uril: Synthesis and Crystal Structures. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2005, 31, 768-774.	1.0	46
70	Homochiral porous metal-organic coordination polymers: synthesis, structure and functional properties. Russian Chemical Reviews, 2011, 80, 1009-1034.	6.5	46
71	CsHSO4 â€” Proton conduction in a crystalline metalâ€“organic framework. Solid State Ionics, 2012, 225, 420-423.	2.7	46
72	Polyaniline-intercalated MIL-101: selective CO₂sorption and supercapacitor properties. New Journal of Chemistry, 2016, 40, 5306-5312.	2.8	46

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73	Hybrid salts of binuclear Bi(III) halide complexes with 1,2-bis(pyridinium)ethane cation: Synthesis, structure and luminescent behavior. Inorganica Chimica Acta, 2016, 450, 232-235.	2.4	46
74	Scandium-organic frameworks: progress and prospects. Russian Chemical Reviews, 2018, 87, 1139-1167.	6.5	46
75	Structure and Reactivity of [Mo3-Î¼3S-(Î¼S2)3]4+ Complexes. Quantum Chemical Calculations, X-ray Structural Characterization, and Raman Spectroscopic Measurements. Inorganic Chemistry, 1998, 37, 2633-2644.	4.0	45
76	Synthesis and Crystal Structure of Unprecedented Oxo/Hydroxo-Bridged Polynuclear Gallium(III) Aqua Complexes. Inorganic Chemistry, 2005, 44, 4133-4135.	4.0	45
77	Coordination-Induced Condensation of [Ta₆O₁₉]^{8â€“}: Synthesis and Structure of [{(C₆H₆)Ru}₂Ta₆O₁₉]^{4â€“} and [{(C₆H₆)RuTa₆O₁₈}₂(Î¼-O)]^{10â^'}. Inorganic Chemistry, 2014, 53, 12791-12798.	4.0	44
78	Bi(<scp>iii</scp>) polybromides: a new chapter in coordination chemistry of bismuth. Chemical Communications, 2016, 52, 5061-5063.	4.1	43
79	Pre-synthesized secondary building units in the rational synthesis of porous coordination polymers. Mendeleev Communications, 2017, 27, 321-331.	1.6	43
80	Interconversion and Reactivity of Two Heterometallic Tin-Containing Cuboidal Clusters from [Mo3S4(H2O)9]4+:Â X-ray Structure of the Single Cube with an Mo3SnS4Core. Inorganic Chemistry, 1996, 35, 5525-5530.	4.0	42
81	Cluster Oxalate Complexes [M3(Î¼3-Q)(Î¼2-Q2)3(C2O4)3]2- and [Mo3(Î¼3-Q)(Î¼2-Q)3(C2O4)3(H2O)3]2- (M = Mo, W;) Ti ETQq1	4.0	42
82	JÃ¸rgensen Complex within a Molecular Container:Â Selective Encapsulation oftrans-[Co(en)2Cl2]+into Cucurbit[8]uril and Influence of Inclusion on Guest's Properties. Inorganic Chemistry, 2006, 45, 6950-6955.	4.0	41
83	Bismuth(III) Halide Complexes: New Structural Types and New Application Areas. Russian Journal of Inorganic Chemistry, 2017, 62, 1789-1796.	1.3	41
84	Synthesis, structure, vibrational spectra and chemical properties of the triangular molybdenum and tungsten complexes M3(Î¼3-S)(Î¼2-SSe)3X62â^' (M = Mo, W; X = Cl, Br). Inorganica Chimica Acta, 1990, 174, 275-282.	2.4	40
85	Nb2S44+ Complexes with 1,1-Dithioacid Ligands. Inorganic Chemistry, 1994, 33, 3503-3509.	4.0	39
86	Reductive Addition at the W3S44+ Core by Sn2+ or an Unusual Supramolecular System: A Synergetic Reaction Leading to the Host Guest Compound (Me2NH2)6[(SCN)9W3S4SnCl3].cntdot.0.5H2O. Inorganic Chemistry, 1994, 33, 2243-2247.	4.0	39
87	Binuclear and polymeric bromobismuthate complexes: Crystal structures and thermal stability. Polyhedron, 2019, 159, 318-322.	2.2	39
88	Polyhalide-bonded metal complexes: Structural diversity in an eclectic class of compounds. Coordination Chemistry Reviews, 2018, 367, 1-17.	18.8	38
89	Supramolecular Assemblies Based on Cucurbituril Adducts of Hydrogen-Bonded Cubane-Type Molybdenumâ^'Nickel Sulfide Aqua Complexes. Inorganic Chemistry, 2001, 40, 1074-1077.	4.0	37
90	High-yield synthesis of the cuboidal rhenium cluster [Re4S4(CN)12]4â^' by reaction of the triangular cluster [Re3S7Br6]+ with cyanide. Polyhedron, 1996, 15, 485-488.	2.2	36

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91	Preparation and Solution Properties of Chalcogenide-Rich Clusters [Mo3Y7(H2O)6]4+(Y = S, Se):Â Kinetics of PR33-Abstraction of Y from Î¼-(Y22-) and H2O Substitution by Cl-and Br-. Inorganic Chemistry, 1997, 36, 2982-2987.	4.0	36
92	Preparation, Structure, and Reactivity of Heterometallic Sn-Containing Single- and Double-Cube Derivatives of [Mo3Se4(H2O)9]4+and [W3Se4(H2O)9]4+. Inorganic Chemistry, 1998, 37, 2995-3001.	4.0	36
93	Kinetic trapping of the hostâ€“guest association intermediate and its transformation into a thermodynamic inclusion complex. Chemical Communications, 2013, 49, 1859.	4.1	36
94	Chlorobismuthates Trapping Dibromine: Formation of Twoâ€Dimensional Supramolecular Polyhalide Networks with Br₂ Linkers. European Journal of Inorganic Chemistry, 2017, 2017, 4925-4929.	2.0	36
95	Title is missing!. Russian Chemical Bulletin, 2003, 52, 585-593.	1.5	35
96	Syntheses and crystal structures of SmIII and ThIV complexes with macrocyclic cavitand cucurbituril. Russian Chemical Bulletin, 2003, 52, 2132-2139.	1.5	35
97	Catalytic properties of the macromolecular polyoxomolybdate cluster in selective oxidation of sulfides. Russian Chemical Bulletin, 2009, 58, 134-137.	1.5	35
98	Supramolecular assemblies of triblock copolymers with hexanuclear molybdenum clusters for sensing antibiotics in aqueous solutions via energy transfer. RSC Advances, 2014, 4, 27922-27930.	3.6	35
99	The First Complex with an M3Te7 Cluster Core: Synthesis and Molecular and Crystal Structure of Cs4.5[Mo3(.mu.3-Te)(.mu.2-Te2)3(CN)6]I2.5.cntdot.3H2O. Inorganic Chemistry, 1995, 34, 5097-5098.	4.0	34
100	Isolation and Structural Characterization of New Indium(III) Aqua Complexes:trans-[InCl2(H2O)4]+ andtrans-[InCl4(H2O)2]â^' as Supramolecular Adducts with Cucurbituril and Related Studies. European Journal of Inorganic Chemistry, 2001, 2001, 167-172.	2.0	34
101	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1915-1918.	1.5	34
102	One-, Two-, and Three-Dimensional Coordination Polymers Built from Large Mo36-Polyoxometalate Anionic Units and Lanthanide Cations. European Journal of Inorganic Chemistry, 2005, 2005, 4985-4996.	2.0	34
103	Synthesis and Reactivity of W3Te74+Clusters and Chalcogen Exchange in the M3Q7(M = Mo, W; Q = S,) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	34
104	Photoinduced and dark complexation of unsaturated viologen analogues containing two ammonium tails with cucurbit[8]uril. New Journal of Chemistry, 2006, 30, 458.	2.8	34
105	Synthesis, crystal structures, luminescent and thermal properties of two new metalâ€“organic coordination polymers based on zinc(ii) carboxylates. New Journal of Chemistry, 2010, 34, 2445.	2.8	34
106	Supramolecular Adducts of Cucurbit[7]uril and Amino Acids in the Gas Phase. Journal of the American Society for Mass Spectrometry, 2016, 27, 265-276.	2.8	34
107	Preparation and properties of dicyclopentadienylniobium(III) chloride. Journal of Organometallic Chemistry, 1977, 132, C14-C16.	1.8	33
108	Distortion of the Cucurbituril Molecule by an Included 4â€Methylpyridinum Cation. Journal of Structural Chemistry, 2002, 43, 664-668.	1.0	33

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109	Use of the macrocyclic ligand cucurbit[6]uril for isolation of tetranuclear lanthanide aquahydroxo-carboxylate complexes from aqueous solutions. Russian Chemical Bulletin, 2006, 55, 1956-1965.	1.5	33
110	Oxothiomolybdenum Derivatives of the Superlacunary Crown Heteropolyanion {P₈W₄₈}: Structure of [K₄{Mo₄O₄S₄(H₂O)₃(OH)₂}₂ and Studies in Solution. Inorganic Chemistry, 2012, 51, 2349-2358.	4.0	32
111	Luminescent properties of 4,4-bipyridinium chlorobismuthate salt: Strong influence of solvation. Inorganic Chemistry Communication, 2015, 54, 89-91.	3.9	32
112	New efficient synthesis of the triangular cluster [W3Se4(H2O)9]4+ and X-ray structure of the first mixed-metal seleno-bridged cubane-type tungsten-tin cluster (Me2NH2)6[(SCN)9W3Se4SnCl3]Â·0.5H2O. Inorganica Chimica Acta, 1998, 269, 292-296.	2.4	31
113	Synthesis of the first sulfido-bridged octahedral rhenium(III) aqua ion [Re6S8(H2O)6]2+. Inorganica Chimica Acta, 1998, 271, 228-230.	2.4	31
114	Supported molybdenumâ€“sulfur cluster compounds as precursors for HDS catalysts. Applied Catalysis A: General, 2001, 213, 123-132.	4.3	31
115	Zirconium and hafnium aqua complexes [(H2O)3M(P2W17O61)]6â¯: Synthesis, characterization and substitution of water by chiral ligand. Inorganica Chimica Acta, 2009, 362, 3756-3762.	2.4	31
116	Quantum Rotations and Chiral Polarization of Qubit Prototype Molecules in a Highly Porous Metalâ€“Organic Framework:¹H NMRT₁Study. Journal of Physical Chemistry C, 2011, 115, 20460-20465.	3.1	31
117	Thermochromic behavior and phase transition of new octanuclear polyiodobismuth(III)ate. Inorganica Chimica Acta, 2014, 419, 19-25.	2.4	31
118	Ultrafast Melting of Metalâ€“Organic Frameworks for Advanced Nanophotonics. Advanced Functional Materials, 2020, 30, 1908292.	14.9	31
119	Reactions of triangular Mo3S7X62â¯ (X=Cl, Br, NCS) complexes with KSCN and KSeCN, resulting in stereoselective substitution of sulfur atom in asymmetrically coordinated Î¼2-S2 ligand. X-ray structure of (PPN)2Mo3(Î¼3-S)(Î¼2-SSe)3Cl6. Inorganica Chimica Acta, 1991, 179, 35-40.	2.4	30
120	The first complex with TeI2 ligands: synthesis and structure of [Re6Te8(TeI2)6]I2. Polyhedron, 1997, 16, 1615-1619.	2.2	30
121	Influence of Anion Composition on Gas Sorption Features of Cr-MIL-101 Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2015, 119, 13098-13104.	3.1	30
122	â€˜Addingâ€™ stable functional complementary, nucleophilic and electrophilic clusters: a synthetic route to [{(SiW11O39)Mo3S4(H2O)3(Î¼-OH)}2]10â¯ and [{(P2W17O61)Mo3S4(H2O)3(Î¼-OH)}2]14â¯ as examples. Chemical Communications, 1999, , 1189-1190.	4.1	29
123	Synthesis and crystal structures of supramolecular compounds of polynuclear aluminum(III) aqua hydroxo complexes with cucurbit[6]uril. Russian Chemical Bulletin, 2006, 55, 267-275.	1.5	29
124	Complexes of ZrIV and HfIV with monolacunary Keggin-and Dawson-type anions. Russian Chemical Bulletin, 2007, 56, 220-224.	1.5	29
125	Syntheses and Structural Characterization of Lithium Carboxylate Frameworks and Guest-Dependent Photoluminescence Study. Crystal Growth and Design, 2014, 14, 4355-4363.	3.0	29
126	Homochiral Cu(II) and Ni(II) malates with tunable structural features. Journal of Solid State Chemistry, 2014, 210, 125-129.	2.9	29

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127	Bi(III) halide complexes containing 4,4â€²-vinylenedipyridinium cation: Synthesis, structure and luminescence in solid state. Polyhedron, 2015, 98, 1-4.	2.2	29
128	Binuclear Bi(<scp>iii</scp>) halide complexes with 4,4â€²-ethylenepyridinium cations: luminescence tuning by reversible solvation. New Journal of Chemistry, 2015, 39, 5529-5533.	2.8	29
129	Halobismuthates with bis(pyridinium)alkane cations: Correlations in crystal structures and optical properties. Inorganica Chimica Acta, 2018, 469, 32-37.	2.4	29
130	Synthesis and x-ray structure of the triangular Cluster (Et4N){[Mo3(Î¼3-S)(Î¼2-S2)3(NH2Ph)3Br3]br}br. Polyhedron, 1992, 11, 2083-2088.	2.2	28
131	Synthesis and characterization of [PW11O39Ir(H2O)]4â^': successful incorporation of Ir into polyoxometalate framework and study of the substitutional lability at the Ir(iii) site. Chemical Communications, 2011, 47, 7833.	4.1	28
132	Macrocyclic cavitands cucurbit[n]urils: prospects for application in biochemistry, medicine and nanotechnology. Russian Chemical Reviews, 2016, 85, 795-816.	6.5	28
133	Metalâ€“organic frameworks based on octafluorobiphenyl-4,4â€²-dicarboxylate: synthesis, crystal structure, and surface functionality. Dalton Transactions, 2018, 47, 3283-3297.	3.3	28
134	Rational synthesis and dimensionality tuning of MOFs from preorganized heterometallic molecular complexes. Dalton Transactions, 2019, 48, 3676-3686.	3.3	28
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