

Paul Käpferler

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An All-Inorganic, Stable, and Highly Active Tetra Ruthenium Homogeneous Catalyst for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3896-3899.	13.8	559
2	Archimedean Synthesis and Magic Numbers: α -Sizing Giant Molybdenum-Oxide-Based Molecular Spheres of the Keplerate Type. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3238-3241.	13.8	381
3	Giant metal-oxide-based spheres and their topology: from pentagonal building blocks to keplerates and unusual spin systems. <i>Coordination Chemistry Reviews</i> , 2001, 222, 193-218.	18.8	372
4	A variety of combinatorially linkable units as disposition: from a giant icosahedral Keplerate to multi-functional metal-oxide based network structures. <i>Chemical Communications</i> , 1999, , 1347-1358.	4.1	333
5	An Exceptionally Fast Homogeneous Carbon-Free Cobalt-Based Water Oxidation Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 9268-9271.	13.7	260
6	Polyoxometalate-Mediated Self-Assembly of Single-Molecule Magnets: $\{[XW_9O_{34}]_2[Mn^{III}]_4Mn^{II}]_2O_{254}\}$. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5609-5612.	13.8	254
7	Formation of a Ring-Shaped Reduced α -Metal Oxide with the Simple Composition $[(MoO_3)_{176}(H_2O)_80H_{32}]$. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1220-1223.	13.8	251
8	Modular Assembly of a Functional Polyoxometalate-Based Open Framework Constructed from Unsupported Ag^+ Interactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7579-7582.	13.8	248
9	Structure-related frustrated magnetism of nanosized polyoxometalates: aesthetics and properties in harmony. <i>Dalton Transactions</i> , 2010, 39, 21-36.	3.3	227
10	Semimetal-functionalised polyoxovanadates. <i>Chemical Society Reviews</i> , 2015, 44, 8443-8483.	38.1	227
11	Classical and Quantum Magnetism in Giant Keplerate Magnetic Molecules. <i>ChemPhysChem</i> , 2001, 2, 517-521.	2.1	180
12	Terbium Polyoxometalate Organic Complexes: Correlation of Structure with Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7702-7705.	13.8	172
13	Structural, Physicochemical, and Reactivity Properties of an All-Inorganic, Highly Active Tetra Ruthenium Homogeneous Catalyst for Water Oxidation. <i>Journal of the American Chemical Society</i> , 2009, 131, 17360-17370.	13.7	162
14	Old Clusters with New Tricks: Engineering S...S Interactions and Novel Physical Properties in Sulfite-Based Dawson Clusters. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1817-1820.	13.8	154
15	Cucurbit[uril] Polyoxoanion Hybrids. <i>Journal of the American Chemical Society</i> , 2009, 131, 432-433.	13.7	154
16	α -Molecular Symmetry Breakers-Generating Metal-Oxide-Based Nanoobject Fragments as Synthons for Complex Structures: $\{[Mo_{12}Eu_4O_{38}H_{10}(H_2O)_8]_2\}_2O$, a Giant-Cluster Dimer. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2805-2808.	13.8	153
17	Polyoxometalate Nanostructures, Superclusters, and Colloids: From Functional Clusters to Chemical Aesthetics. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 844-846.	13.8	152
18	Restraining Symmetry in the Formation of Small Polyoxomolybdates: Building Blocks of Unprecedented Topology Resulting From α -Shrink-Wrapping $[H_2Mo_{16}O_{52}]_{10}$ -Type Clusters. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4180-4183.	13.8	141

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19	Molecular Growth of a Core-Shell Polyoxometalate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5212-5216.	13.8	141
20	PO ₄ ³⁻ -Mediated Polyoxometalate Supercluster Assembly. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8123-8126.	13.8	138
21	A High-Nuclearity α -Celtic-Ring-Isopolyoxotungstate, [H ₁₂ W ₃₆ O ₁₂₀] ₁₂ -, That Captures Trace Potassium Ions. <i>Journal of the American Chemical Society</i> , 2004, 126, 13880-13881.	13.7	136
22	Controllable Growth of Chains and Grids from Polyoxomolybdate Building Blocks Linked by Silver(I) Dimers. <i>Chemistry - A European Journal</i> , 2005, 11, 1071-1078.	3.3	130
23	Structure and Properties of the Dendron-Encapsulated Polyoxometalate (C ₅₂ H ₆₀ NO ₁₂) ₁₂ [(Mn(H ₂ O)) ₃ (SbW ₉ O ₃₃) ₂], a First Generation Dendrzyme. <i>Journal of the American Chemical Society</i> , 2002, 124, 10489-10496.	13.7	120
24	Size-isolation of superparamagnetic iron oxide nanoparticles improves MRI, MPI and hyperthermia performance. <i>Journal of Nanobiotechnology</i> , 2020, 18, 22.	9.1	120
25	A polyoxometalate-based manganese carboxylate cluster. <i>Chemical Communications</i> , 2008, , 3396.	4.1	118
26	Polyoxotungstate-encapsulated Gd ₆ and Yb ₁₀ complexes. <i>Chemical Communications</i> , 2009, , 328-330.	4.1	118
27	Controlled assembly and solution observation of a 2.6 nm polyoxometalate α -super TM tetrahedron cluster: [KFe ₁₂ (OH) ₁₈ (μ -1,2,3-P ₂ W ₁₅ O ₅₆) ₄] ₂₉ . <i>Chemical Communications</i> , 2007, , 4254.	4.1	115
28	Confined Electron-Transfer Reactions within a Molecular Metal Oxide α -Trojan Horse. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3415-3419.	13.8	113
29	Utilizing the Adaptive Polyoxometalate [As ₂ W ₁₉ O ₆₇ (H ₂ O)] ¹⁴⁻ To Support a Polynuclear Lanthanoid-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2011, 50, 7004-7014.	4.0	113
30	Capture of Periodate in a {W ₁₈ O ₅₄ } Cluster Cage Yielding a Catalytically Active Polyoxometalate [H ₃ W ₁₈ O ₅₆ (IO ₆)] ⁶⁻ Embedded with High-Valent Iodine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4384-4387.	13.8	107
31	The True Nature of the Di-iron(III) β -Keggin Structure in Water: A Catalytic Aerobic Oxidation and Chemistry of an Unsymmetrical Trimer. <i>Journal of the American Chemical Society</i> , 2006, 128, 11268-11277.	13.7	105
32	[MoV ₁₂ O ₃₀ (μ -4/2-OH) ₁₀ H ₂ {NiII(H ₂ O) ₃ }] ₄ , a Highly Symmetrical μ -Keggin Unit Capped with Four NiII Centers: Synthesis and Magnetism. <i>Inorganic Chemistry</i> , 2000, 39, 5176-5177.	4.0	102
33	[{(Mo)Mo ₅ O ₂₁ (H ₂ O) ₃ (SO ₄) ₁₂ (VO) ₃₀ (H ₂ O) ₂₀ }] ₃₆ : A molecular quantum spin icosidodecahedron. <i>Chemical Communications</i> , 2005, , 3138.	4.1	96
34	Discovery of a Family of Isopolyoxotungstates [H ₄ W ₁₉ O ₆₂] ⁶⁻ Encapsulating a {WO ₆ } Moiety within a {W ₁₈ } Dawson-like Cluster Cage. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4798-4803.	13.8	96
35	Reversible electron-transfer reactions within a nanoscale metal oxide cage mediated by metallic substrates. <i>Nature Nanotechnology</i> , 2008, 3, 229-233.	31.5	96
36	Switching slow relaxation in a MnIII/MnIV cluster: an example of grafting single-molecule magnets onto polyoxometalates. <i>Chemical Communications</i> , 2010, 46, 2760.	4.1	92

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37	From simple building blocks to structures with increasing size and complexity. <i>Coordination Chemistry Reviews</i> , 1999, 182, 3-17.	18.8	89
38	Wateroxidation catalyzed by a new tetracobalt-substituted polyoxometalate complex: $[\{Co_4(\mu_4-OH)(H_2O)_3\}(Si_2W_{19}O_{70})]^{11-}$. <i>Dalton Transactions</i> , 2012, 41, 2084-2090.	3.3	87
39	Magnetic characterization of the frustrated three-leg ladder compound $[(CuCl_2\mu H)_3Cl]Cl_2$. <i>Physical Review B</i> , 2004, 70, .	3.2	86
40	Revisiting the Polyoxometalate-Based Late-Transition-Metal-Oxo Complexes: The "Oxo Wall" Stands. <i>Inorganic Chemistry</i> , 2012, 51, 7025-7031.	4.0	86
41	Characterization of berkelium(III) dipicolinate and borate compounds in solution and the solid state. <i>Science</i> , 2016, 353, .	12.6	86
42	A New Type of Supramolecular Compound: Molybdenum-Oxide-Based Composites Consisting of Magnetic Nanocapsules with Encapsulated Keggin-Ion Electron Reservoirs Cross-Linked to a Two-Dimensional Network. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3413-3417.	13.8	85
43	Competing Spin Phases in Geometrically Frustrated Magnetic Molecules. <i>Physical Review Letters</i> , 2005, 94, 017205.	7.8	85
44	Structural and Compositional Control in $\{M_{12}\}$ Cobalt and Nickel Coordination Clusters Detected Magnetochemically and with Cryospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1340-1344.	13.8	84
45	A polyoxometalate-based single-molecule magnet with an $S = 21/2$ ground state. <i>Chemical Communications</i> , 2012, 48, 1218-1220.	4.1	84
46	Unsymmetrical surface modification of a heteropolyoxotungstate via in-situ generation of monomeric and dimeric copper(ii) species. <i>Dalton Transactions</i> , 2006, , 1712.	3.3	83
47	Linking Icosahedral, Strong Molecular Magnets $\{MoFe\}$ to Layers: A Solid-State Reaction at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1612-1614.	13.8	81
48	Cerium oxide nanoclusters: commensurate with concepts of polyoxometalate chemistry?. <i>Chemical Communications</i> , 2012, 48, 1499-1501.	4.1	79
49	A Computational Framework for Magnetic Polyoxometalates and Molecular Spin Structures: CONDON 2.0. <i>Israel Journal of Chemistry</i> , 2011, 51, 215-227.	2.3	77
50	Trading Templates: A Supramolecular Transformations between $\{Co_{11}3\}$ and $\{Co_{11}2\}$ Nanoclusters. <i>Journal of the American Chemical Society</i> , 2008, 130, 790-791.	13.7	75
51	Unusual Stepwise Assembly and Molecular Growth: $[H_{14}Mo_37O_{112}]^{14-}$ and $[H_3Mo_57V_6(NO)_6O_{189}(H_2O)_{12}(MoO)_6]^{21-}$. <i>Chemistry - A European Journal</i> , 1998, 4, 1000-1006.	3.3	74
52	Thirty Electrons "Trapped" in a Spherical Matrix: A Molybdenum Oxide-Based Nanostructured Keplerate Reduced by 36 Electrons. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1614-1616.	13.8	72
53	Terminal Gold-Oxo Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 11118-11133.	13.7	72
54	Accessing 4f-states in single-molecule spintronics. <i>Nature Communications</i> , 2013, 4, 2425.	12.8	71

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55	Comprehensive insight into molecular magnetism via CONDON: Full vs. effective models. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 137-148.	18.8	71
56	Low-energy spin excitations in the molecular magnetic cluster V 15. <i>Europhysics Letters</i> , 2002, 59, 291-297.	2.0	70
57	[V16Sb4O42(H2O){VO(C6H14N2)2}4]: A Terminal Expansion to a Polyoxovanadate Archetype. <i>Inorganic Chemistry</i> , 2008, 47, 1916-1918.	4.0	69
58	Pythagorean Harmony in the World of Metal Oxygen Clusters of the Mo11 Type: Giant Wheels and Spheres both Based on a Pentagonal Type Unit. , 2000, , 203-236.		68
59	Synthesis, Structure, and Magnetic Properties of a New Family of Tetra-nuclear {Mn2III Ln2}(Ln = Dy, Gd,) Tj ETQq1 1 0.784314 rgBT / O and Terbium Analogues. <i>Inorganic Chemistry</i> , 2013, 52, 5035-5044.	4.0	67
60	Tetrairon and Hexairon Hydroxo/Acetato Clusters Stabilized by Multiple Polyoxometalate Scaffolds. Structures, Magnetic Properties, and Chemistry of a Dimer and a Trimer. <i>Inorganic Chemistry</i> , 2007, 46, 5398-5403.	4.0	66
61	Exploiting the multifunctionality of organocations in the assembly of hybrid polyoxometalate clusters and networks. <i>Chemical Communications</i> , 2007, , 468-470.	4.1	65
62	Organic Functionalization of Polyoxovanadates: Sb μ 2N Bonds and Charge Control. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 764-767.	13.8	65
63	Controlling Growth of Novel Solid-State Materials via Discrete Molybdenum-Oxide-Based Building Blocks as Synthons. <i>Journal of Solid State Chemistry</i> , 2000, 152, 57-67.	2.9	64
64	[V15SbIII6O42]6 μ 6: An antimony analogue of the molecular magnet [V15As6O42(H2O)]6 μ 6. <i>Dalton Transactions</i> , 2007, , 3221.	3.3	64
65	Reactions of a {Mo16}-type polyoxometalate cluster with electrophiles: a synthetic, theoretical and magnetic investigation. <i>Dalton Transactions</i> , 2005, , 1372-1380.	3.3	62
66	A Phosphorus Supported Multisite Coordinating Tris Hydrazone P(S)[N(Me)NCHC6H4-o-OH]3 as an Efficient Ligand for the Assembly of Trinuclear Metal Complexes: A Synthesis, Structure, and Magnetism. <i>Inorganic Chemistry</i> , 2003, 42, 5989-5998.	4.0	60
67	Supramolecular assembly of ligand-directed triangular {CuII3Cl} clusters with spin frustration and spin-chain behaviour. <i>Chemical Communications</i> , 2004, , 1580-1581.	4.1	59
68	Cubic Box versus Spheroidal Capsule Built from Defect and Intact Pentagonal Units. <i>Journal of the American Chemical Society</i> , 2012, 134, 19342-19345.	13.7	59
69	The roles of 4f- and 5f-orbitals in bonding: a magnetochemical, crystal field, density functional theory, and multi-reference wavefunction study. <i>Dalton Transactions</i> , 2016, 45, 11508-11521.	3.3	59
70	Experimental and Theoretical Investigations of the Sulfite-Based Polyoxometalate Cluster Redox Series: μ 2- and μ 2-[Mo18O54(SO3)2]4 μ 5 μ 6 μ . <i>Chemistry - A European Journal</i> , 2006, 12, 8472-8483.	3.3	58
71	Ligand and Counterion Control of Ag(I) Architectures: Assembly of a {Ag₈} Ring Cluster Mediated by Hydrophobic and Ag μ 2 μ Ag Interactions. <i>Inorganic Chemistry</i> , 2007, 46, 9090-9097.	4.0	58
72	Synthesis, structure, magnetism and nuclease activity of tetranuclear copper(ii) phosphonates containing ancillary 2,2 μ 2-bipyridine or 1,10-phenanthroline ligands. <i>Dalton Transactions</i> , 2008, , 1150.	3.3	58

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73	A new structural form for a decanuclear copper(ii) assembly. Dalton Transactions, 2005, , 3143.	3.3	55
74	A Nanoringâ€”Nanosphere Molecule, {Mo ₂₁ V ₃₀ }: Pushing the Boundaries of Controllable Inorganic Structural Organization at the Molecular Level. Journal of the American Chemical Society, 2006, 128, 5336-5337.	13.7	55
75	Linking Chiral Clusters with Molybdate Building Blocks: From Homochiral Helical Supramolecular Arrays to Coordination Helices. Chemistry - an Asian Journal, 2006, 1, 352-357.	3.3	55
76	Probing spin frustration in high-symmetry magnetic nanomolecules by inelastic neutron scattering. Physical Review B, 2006, 73, .	3.2	54
77	Bridging the gap between solution and solid state studies in polyoxometalate chemistry: Discovery of a family of [V ₁ M ₁₇]-based cages encapsulating two {V ^{sup} V ^{sup} O ₄ } moieties. Dalton Transactions, 2008, , 214-221.	3.3	54
78	A regioselective Huisgen reaction inside a Keplerate polyoxomolybdate nanoreactor. Dalton Transactions, 2012, 41, 9852.	3.3	54
79	Leaching-free encapsulation of cobalt-polyoxotungstates in MIL-100 (Fe) for highly reproducible photocatalytic water oxidation. Applied Catalysis A: General, 2018, 567, 132-138.	4.3	54
80	Heisenberg spin triangles in {V ₆ }-type magnetic molecules: Experiment and theory. Physical Review B, 2002, 66, .	3.2	52
81	Caesium-templated lanthanoid-containing polyoxotungstates. Dalton Transactions, 2009, , 4423.	3.3	52
82	[{Ni ₄ (OH) ₃ AsO ₄ }] ₄ ·4H ₂ O·9PW ₉ O ₃₄ ·4Cl ⁻ : A New Polyoxometalate Structural Family with Catalytic Hydrogen Evolution Activity. Chemistry - A European Journal, 2015, 21, 17363-17370.	3.3	52
83	Ultralarge 3d/4f Coordination Wheels: From Carboxylate/Amino Alcohol-Supported {Fe ₄ Ln ₂ } to {Fe ₁₈ Ln ₆ } Rings. Inorganic Chemistry, 2017, 56, 1814-1822.	4.0	52
84	Exploring the Structure and Properties of Transition Metal Templated {VM ₁₇ (VO ₄) ₂ } Dawson-Like Capsules. Inorganic Chemistry, 2011, 50, 8384-8391.	4.0	51
85	Electronic Control of Spin Coupling in Keplerateâ€”Type Polyoxomolybdates. Angewandte Chemie - International Edition, 2009, 48, 9080-9083.	13.8	50
86	Inelastic Neutron Scattering on Three Mixed-Valence Dodecanuclear Polyoxovanadate Clusters. Inorganic Chemistry, 2002, 41, 5675-5685.	4.0	49
87	Homometallic Dy ^{III} Complexes of Varying Nuclearity from 2 to 21: Synthesis, Structure, and Magnetism. Chemistry - A European Journal, 2017, 23, 5154-5170.	3.3	49
88	Cross-linking nanostructured spherical capsules as building units by crystal engineering: related chemistry. Solid State Sciences, 2000, 2, 847-854.	3.2	48
89	Following the self assembly of supramolecular MOFs using X-ray crystallography and cryospray mass spectrometry. Chemical Science, 2010, 1, 62.	7.4	48
90	Preparation of LaFeO ₃ particles by sol-gel technology. Journal of Materials Research, 1998, 13, 451-456.	2.6	47

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91	Paramagnetic Keplerate $\text{K}_2\text{Necklaces}$ Synthesized by a Novel Room-Temperature Solid-State Reaction: Controlled Linking of Metal-Oxide-Based Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 579-582.	13.8	47
92	Electronic structure and exchange interactions in V_{15} magnetic molecules: LDA+U results. <i>Physical Review B</i> , 2004, 70, .	3.2	47
93	Controlling Aggregation of Copper(II)-Based Coordination Compounds: From Mononuclear to Dinuclear, Tetranuclear, and Polymeric Copper Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 2886-2895.	4.0	47
94	Heat Capacity Reveals the Physics of a Frustrated Spin Tube. <i>Physical Review Letters</i> , 2010, 105, 037206.	7.8	45
95	Building blocks as disposition in solution: $[\{\text{MoVIO}_3(\text{H}_2\text{O})\}_{10}\{\text{VIVO}(\text{H}_2\text{O})\}_{20}\{\text{MoVI}/\text{MoVIO}_2\}_{10}\{\text{MoVIO}_2(\text{H}_2\text{O})_2\}_{5/2}\}_2\{\text{NaSO}_4\}_5\}_2]^{20-}$, a giant spherical cluster with unusual structural features of interest for supramolecular and magneto chemistry. <i>Chemical Communications</i> , 1999, ., 1885-1886.	4.1	43
96	Syntheses and Magnetostructural Investigations on Kuratowski-Type Homo- and Heteropentanuclear Coordination Compounds $[\text{M}_2\text{Zn}_4\text{Cl}_4(\text{L})_6]$ ($\text{M} = \text{Zn, Fe}$). <i>Inorganic Chemistry</i> , 2010, 49, 7424-7434.	4.0	43
97	Expansion of Antimonate Polyoxovanadates with Transition Metal Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 2211-2217.	4.0	43
98	Configurational Isomerism in Polyoxovanadates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2972-2975.	13.8	43
99	Conversion of dinitrogen to tris(trimethylsilyl)amine catalyzed by titanium triamido-amine complexes. <i>Chemical Communications</i> , 2019, 55, 3231-3234.	4.1	43
100	$\text{K}_2\text{Nanoobjects}$ by Self-Assembly Concomitant with Modifications under Alterable Boundary Conditions: Incorporation of Paramagnetic Metal Centers (Cu^{2+}) in Ring-Shaped Molybdenum-Oxide Based Clusters The authors thank Prof. D. Gatteschi, University of Florence (Italy), for helping with the interpretation of the ESR spectrum, and Dipl.-Chem. A. Berkle and Dr. J. Hockemeyer, University of Bielefeld (Germany), for their collaboration. C. R. thanks the Alexander von Humboldt Foundation for Antimonate Polyoxovanadate Based Three-Dimensional Framework Exhibiting Ferromagnetic Exchange Interactions: Synthesis, Structural Characterization, and Magnetic Investigation of $[\{\text{Fe}(\text{C}_6\text{H}_{14}\text{N}_2)_2\}_3\text{V}_{15}\text{Sb}_6\text{O}_{42}]$. <i>Inorganic Chemistry</i> , 2013, 52, 3280-3284.	13.8	40
101	A comparative synthetic, magnetic and theoretical study of functional M_4Cl_4 cubane-type $\text{Co}(\text{II})$ and $\text{Ni}(\text{II})$ complexes. <i>Dalton Transactions</i> , 2014, 43, 7847.	3.3	40
102	Hysteresis Loops and Adiabatic Landau-Zener-Stückelberg Transitions in the Magnetic Molecule $\{\text{V}_6\}$. <i>Physical Review Letters</i> , 2005, 94, 147204.	7.8	39
103	Multiple nearest-neighbor exchange model for the frustrated magnetic molecules $\{\text{Mo}_7\text{Fe}_3\}$ and $\{\text{Mo}_7\text{Cr}_3\}$. <i>Physical Review B</i> , 2008, 77, .	3.2	39
104	$\text{Na}_3\text{Co}(\text{CO})_4$. <i>Inorganic Chemistry</i> , 2011, 50, 1771-1778.	4.0	39
105	Supramolecular Recognition Influences Magnetism in $[\text{X}@\text{HV}(\text{IV})_8\text{V}(\text{V})_{14}\text{O}_{54}]^{6-}$ Self-Assemblies with Symmetry-Breaking Guest Anions. <i>Chemistry - A European Journal</i> , 2015, 21, 2387-2397.	3.3	38
106	A potassium selective K^+ -nanosponge with well defined pores. <i>Chemical Communications</i> , 2002, , 2944-2945.	4.1	37
107	Sonochemical synthesis of Dy^{3+} substituted $\text{Mn}_0.5\text{Zn}_0.5\text{Fe}_2\text{O}_4$ nanoparticles: Structural, magnetic and optical characterizations. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104836.	8.2	37

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109	Ferrimagnetically ordered nanosized polyoxomolybdate-based cluster spheres. <i>Chemical Communications</i> , 2005, , 5621.	4.1	36
110	Effect of Nb ³⁺ ion substitution on the magnetic properties of SrFe ₁₂ O ₁₉ hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11181-11192.	2.2	36
111	Observation of field-dependent magnetic parameters in the magnetic molecule {Ni ₄ Mo ₁₂ }. <i>Physical Review B</i> , 2006, 73, .	3.2	35
112	Synthesis, Structure, and Magnetism of a Polyoxometalate with Coordinatively Unsaturated d-Electron-Transition Metal Centers. <i>Inorganic Chemistry</i> , 2009, 48, 7812-7817.	4.0	35
113	Low-energy excitations in the S=12 molecular nanomagnet K ₆ [V ₁₅ IVAs ₆ O ₄₂ (H ₂ O)] TM ·8H ₂ O from proton NMR and ¹ / ₄ SR. <i>Physical Review B</i> , 2006, 73, .	3.2	34
114	Catalysis of α -outer-phase α -oxygen atom exchange reactions by encapsulated α -inner-phase α -water in {V ₁₅ Sb ₆ } ₂ -type polyoxovanadates. <i>Chemical Science</i> , 2016, 7, 2684-2694.	7.4	34
115	Compression of curium pyrrolidine-dithiocarbamate enhances covalency. <i>Nature</i> , 2020, 583, 396-399.	27.8	34
116	Crystal structure, spectroscopic, magnetochemical, thermoanalytical and electrochemical properties of binuclear copper(II) complexes of Suprofen. <i>Inorganica Chimica Acta</i> , 1998, 268, 239-248.	2.4	33
117	Anomalous dynamical line shapes in a quantum magnet at finite temperature. <i>Physical Review B</i> , 2012, 85, .	3.2	33
118	Cluster-Based Networks: 1D and 2D Coordination Polymers Based on {MnFe ₂ (¹ / ₄ -O)}-Type Clusters. <i>Inorganic Chemistry</i> , 2012, 51, 5110-5117.	4.0	33
119	Perspectives for Polyoxometalates in Single-Molecule Electronics and Spintronics. <i>Advances in Inorganic Chemistry</i> , 2017, , 251-286.	1.0	33
120	Mononuclear zinc(II) Schiff base complexes as catalysts for the ring-opening polymerization of lactide. <i>European Polymer Journal</i> , 2020, 122, 109302.	5.4	33
121	Exploring a Series of Isostructural Dodecanuclear Mixed Ni:Co Clusters: Toward the Control of Elemental Composition Using pH and Stoichiometry. <i>Inorganic Chemistry</i> , 2009, 48, 1097-1104.	4.0	32
122	Heterometal expansion of oxozirconium carboxylate clusters. <i>Dalton Transactions</i> , 2011, 40, 331-333.	3.3	32
123	Metal-organic frameworks based on polynuclear lanthanide complexes and octahedral rhenium clusters. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1518-1526.	6.0	32
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