

Jose Ramon Galan-Mascaros

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#	Paper	IF	Citations
210	Coexistence of ferromagnetism and metallic conductivity in a molecule-based layered compound. <i>Nature</i> , 2000 , 408, 447-9	50.4	1172
209	Bistable Spin-Crossover Nanoparticles Showing Magnetic Thermal Hysteresis near Room Temperature. <i>Advanced Materials</i> , 2007 , 19, 1359-1361	24	305
208	Reversible colorimetric probes for mercury sensing. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12351-6	16.4	298
207	Fast and persistent electrocatalytic water oxidation by Co-Fe Prussian blue coordination polymers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13270-3	16.4	289
206	Polyoxometalate electrocatalysts based on earth-abundant metals for efficient water oxidation in acidic media. <i>Nature Chemistry</i> , 2018 , 10, 24-30	17.6	269
205	A trigonal-bipyramidal cyanide cluster with single-molecule-magnet behavior: synthesis, structure, and magnetic properties of $[\text{MnII}(\text{tmphen})_2]_3[\text{MnIII}(\text{CN})_6]_2$. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1523-6	16.4	259
204	Increasing the Nuclearity of Magnetic Polyoxometalates. Syntheses, Structures, and Magnetic Properties of Salts of the Heteropoly Complexes $[\text{Ni}_3(\text{H}_2\text{O})_3(\text{PW}_{10}\text{O}_{39})\text{H}_2\text{O}]^{7-}$, $[\text{Ni}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]^{10-}$, and $[\text{Ni}_9(\text{OH})_3(\text{H}_2\text{O})_6(\text{HPO}_4)_2(\text{PW}_9\text{O}_{34})_3]^{16-}$. <i>Inorganic Chemistry</i> , 2001 , 40, 113-20	5.1	230
203	Molecule-based magnets formed by bimetallic three-dimensional oxalate networks and chiral tris(bipyridyl) complex cations. The series $[\text{ZII}(\text{bpy})_3][\text{MIIICrIII}(\text{ox})_3]$ (ZII = Ru, Fe, Co, and Ni; MII = Mn, Fe, Co, Ni, Cu, and Zn; ox = oxalate dianion). <i>Inorganic Chemistry</i> , 2001 , 40, 113-20	5.1	201
202	Direct magnetic enhancement of electrocatalytic water oxidation in alkaline media. <i>Nature Energy</i> , 2019 , 4, 519-525	62.3	199
201	A Novel Chainlike Heteropolyanion Formed by Keggin Units: Synthesis and Structure of $(\text{ET})_8\text{n}[\text{PMnW}_{11}\text{O}_{39}]_n \cdot 2\text{nH}_2\text{O}$. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1460-1462		195
200	Water Oxidation at Electrodes Modified with Earth-Abundant Transition-Metal Catalysts. <i>ChemElectroChem</i> , 2015 , 2, 37-50	4.3	193
199	Hybrid molecular magnets obtained by insertion of decamethyl-metalocenium cations into layered, bimetallic oxalate complexes. <i>Chemistry - A European Journal</i> , 2000 , 6, 552-63	4.8	190
198	A charge-transfer-induced spin transition in the discrete cyanide-bridged complex $[[\text{Co}(\text{tmphen})_2]_3[\text{Fe}(\text{CN})_6]_2]$. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6222-3	16.4	181
197	A molecular metal ferromagnet from the organic donor bis(ethylenedithio)tetraselenafulvalene and bimetallic oxalate complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10774-5	16.4	169
196	Anchoring of rare-earth-based single-molecule magnets on single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15143-51	16.4	163
195	Spin dynamics in the negatively charged terbium (III) bis-phthalocyaninato complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4387-96	16.4	150
194	Enhanced Activity and Acid pH Stability of Prussian Blue-type Oxygen Evolution Electrocatalysts Processed by Chemical Etching. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16037-16045	16.4	148

193	Tuning size and thermal hysteresis in bistable spin crossover nanoparticles. <i>Inorganic Chemistry</i> , 2010 , 49, 5706-14	5.1	148
192	New Crystalline Polymers of Ag(TCNQ) and Ag(TCNQF4): Structures and Magnetic Properties. <i>Journal of Solid State Chemistry</i> , 2000 , 152, 159-173	3.3	137
191	Enhanced photoelectrochemical water splitting of hematite multilayer nanowire photoanodes by tuning the surface state via bottom-up interfacial engineering. <i>Energy and Environmental Science</i> , 2017 , 10, 2124-2136	35.4	136
190	Intercalation of decamethylferrocenium cations in bimetallicoxalate-bridged two-dimensional magnets. <i>Chemical Communications</i> , 1997 , 1727-1728	5.8	132
189	Hybrid Molecular Materials Based upon Magnetic Polyoxometalates and Organic π -Electron Donors: Syntheses, Structures, and Properties of Bis(ethylenedithio)tetrathiafulvalene Radical Salts with Monosubstituted Keggin Polyoxoanions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4671-4681	16.4	129
188	Hybrid molecular conductors. <i>Journal of Materials Chemistry</i> , 2005 , 15, 66-74		125
187	Single chain magnets based on the oxalate ligand. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14987-9	16.4	118
186	Chiral molecular magnets: synthesis, structure, and magnetic behavior of the series $[M(L-tart)]$ (M = Mn(II), Fe(II), Co(II), Ni(II); L-tart = (2R,3R)-(+)-tartrate). <i>Chemistry - A European Journal</i> , 2006 , 12, 3484-92	4.8	115
185	Identification of a nonanuclear $\{Co(II)_9\}$ polyoxometalate cluster as a homogeneous catalyst for water oxidation. <i>Inorganic Chemistry</i> , 2012 , 51, 11707-15	5.1	114
184	A self-assembled 2D molecule-based magnet: the honeycomb layered material $[Co_3Cl_4(H_2O)_2[Co(Hbbiz)_3]_2]$. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2289-93	16.4	112
183	Oxalate-based 2D magnets: the series $[NBu_4][MIIIMnIII(ox)_3]$ (MII = Fe, Co, Ni, Zn; ox = oxalate dianion). <i>Journal of Materials Chemistry</i> , 2006 , 16, 2685-2689		108
182	Giant crown-shaped polytungstate formed by self-assembly of Ce(III)-stabilized dilacunary kegginn fragments. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8384-8	16.4	107
181	Cobalt polyoxometalates as heterogeneous water oxidation catalysts. <i>Inorganic Chemistry</i> , 2013 , 52, 4753-5	5.1	105
180	Hydrothermal synthesis and structure of a three-dimensional cobalt(II) triazolate magnet. <i>Inorganic Chemistry</i> , 2006 , 45, 1909-11	5.1	104
179	A new heptanuclear cobalt(II) cluster encapsulated in a novel heteropolyoxometalate topology: synthesis, structure, and magnetic properties of $[Co_7H_2O)_2(OH)_2(P_2W_{25}O_{94})_{16}]^{16-}$. <i>Inorganic Chemistry</i> , 2004 , 43, 2689-94	5.1	101
178	Metallic Conductivity in a Polyoxovanadate Radical Salt of Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF): Synthesis, Structure, and Physical Characterization of $[K(BEDT-TTF)_5[H_3V_{10}O_{28}]]_4 \cdot 4H_2O$. <i>Advanced Materials</i> , 2004 , 16, 324-327	24	93
177	Synergistic effects in 3D honeycomb-like hematite nanoflakes/branched polypyrrole nanoleaves heterostructures as high-performance negative electrodes for asymmetric supercapacitors. <i>Nano Energy</i> , 2016 , 22, 189-201	17.1	91
176	A rare-earth metal TCNQ magnet: synthesis, structure, and magnetic properties of $[[Gd_2(TCNQ)_5(H_2O)_9][Gd(TCNQ)_4 \cdot (H_2O)_3]] \cdot 4H_2O$. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1015-8	16.4	90

- 175 Increasing the Coercivity in Layered Molecular-based Magnets $A[MIIIMIII(ox)_3]$ (MII = Mn, Fe, Co, Ni, Cu; MIII = Cr, Fe; ox = oxalate; A = organic or organometallic cation). *Advanced Materials*, **1999**, 11, 558-564 89
- 174 Design of molecular materials combining magnetic, electrical and optical properties. *Dalton Transactions RSC*, **2000**, 3955-3961 83
- 173 $[(Co(H_2O)_4)_2(H_2W_{12}O_{42})]_n 6n^-$: A Novel Chainlike Heteropolyanion Formed by Paradodecatungstate and Cobalt(II) Ions. *Inorganic Chemistry*, **1995**, 34, 524-526 5.1 83
- 172 Combined, Modulation Enhanced X-ray Powder Diffraction and Raman Spectroscopic Study of Structural Transitions in the Spin Crossover Material $[Fe(Htrz)_2(trz)](BF_4)$. *Journal of Physical Chemistry C*, **2011**, 115, 1323-1329 3.8 82
- 171 A chiral ferromagnetic molecular metal. *Journal of the American Chemical Society*, **2010**, 132, 9271-3 16.4 81
- 170 Bimetallic cyanide-bridged complexes based on the photochromic nitroprusside anion and paramagnetic metal complexes. Syntheses, structures, and physical characterization of the coordination compounds $[Ni(en)_2]_4[Fe(CN)_5NO]_2[Fe(CN)_6]_x 5H_2O$, $[Ni(en)_2][Fe(CN)_5NO]_x 3H_2O$, $[Pt_2(C_2H_5O)_2]_2[Fe(CN)_5NO]$, and $[Pt_2(C_2H_5O)_2]_2[Fe(CN)_5NO]$. *Inorganic Chemistry*, **2002**, 41, 1523-33 5.1 81
- 169 Cobalt Hexacyanoferrate on BiVO Photoanodes for Robust Water Splitting. *ACS Applied Materials & Interfaces*, **2017**, 9, 37671-37681 9.5 79
- 168 Heterometallic 3d-4f polyoxometalate derived from the weakley-type dimeric structure. *Inorganic Chemistry*, **2010**, 49, 377-9 5.1 79
- 167 Spin crossover probes confer multistability to organic conducting polymers. *Advanced Materials*, **2014**, 26, 6785-9 24 78
- 166 Homologous series of redox-active, dinuclear cations $[M(2)(O(2)CCH(3))(2)(pynp)(2)](2+)$ (M = Mo, Ru, Rh) with the bridging ligand 2-(2-pyridyl)-1,8-naphthyridine (pynp). *Inorganic Chemistry*, **2002**, 41, 1523-33 5.1 77
- 165 Role of the orbitally degenerate Mn(III) ions in the single-molecule magnet behavior of the cyanide cluster $([MnII(tmphen)_2]_3[Mn(III)(CN)_6]_2)$ (tmphen = 3,4,7,8-tetramethyl-1,10-phenanthroline). *Journal of the American Chemical Society*, **2004**, 126, 16860-7 16.4 75
- 164 Incommensurate nature of the multilayered molecular ferromagnetic metals based on bis(ethylenedithio)tetrathiafulvalene and bimetallic oxalate complexes. *Inorganic Chemistry*, **2004**, 43, 4808-10 5.1 72
- 163 Light-Driven Water Oxidation with Metal Hexacyanometalate Heterogeneous Catalysts. *ACS Catalysis*, **2014**, 4, 1637-1641 13.1 69
- 162 Spontaneous magnetization in Ni-Al and Ni-Fe layered double hydroxides. *Inorganic Chemistry*, **2008**, 47, 9103-10 5.1 68
- 161 Redox tuning the Weakley-type polyoxometalate archetype for the oxygen evolution reaction. *Nature Catalysis*, **2018**, 1, 208-213 36.5 66
- 160 Layered Molecule-Based Magnets Formed by Decamethylmetallocenium Cations and Two-Dimensional Bimetallic Complexes $[MII RuIII(ox)_3][MII=; Mn, Fe, Co, Cu \text{ and } Zn; ox=oxalate)$. *Journal of Solid State Chemistry*, **2001**, 159, 391-402 3.3 66
- 159 High nuclearity magnetic clusters: Magnetic properties of a nine cobalt cluster encapsulated in a polyoxometalate, $[Co_9(OH)_3(H_2O)_6(HPO_4)_2(PW_9O_{34})_3]^{16-}$. *Advanced Materials*, **1994**, 6, 221-223 24 66
- 158 New type of heterometallic 3d-4f rhomblike core in Weakley-like polyoxometalates. *Inorganic Chemistry*, **2011**, 50, 9587-93 5.1 63

157	Recognition of topological isomerism: synthesis, structure, and magnetic properties of two pentanuclear high-spin molecules of the type $[NiII(N-N)2]3[FeIII(CN)6]2$. <i>Inorganic Chemistry</i> , 2003 , 42, 3416-22	5.1	62
156	Magnetic molecular metals based on the organic donor molecule BET (BET = Bis(ethylenethio)tetrathiafulvalene): The series $BET2[MCI4]$ (M3? = Ga, Fe). <i>Advanced Materials</i> , 1997 , 9, 984-987	24	60
155	Polymetallic oxalate-based 2D magnets: soluble molecular precursors for the nanostructuring of magnetic oxides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5456-68	16.4	59
154	A chiral molecular conductor: synthesis, structure, and physical properties of $[ET]3[Sb2(L-tart)2].CH3CN$ (ET = bis(ethylenedithio)tetrathiafulvalene; L-tart = (2R,3R)-(+)-tartrate). <i>Inorganic Chemistry</i> , 2004 , 43, 8072-7	5.1	59
153	New approaches to magnetic clusters with hexacyanometallate building blocks. <i>Polyhedron</i> , 2001 , 20, 1727-1734	2.7	59
152	New compounds with bridging dicyanamide and bis-chelating 2,2'-bipyrimidine ligands: syntheses, structural characterisation and magnetic properties of the two-dimensional materials $[Fe2(dca)4(bpym)]\cdot H2O$ and $[Fe2(dca)4(bpym)(H2O)2]$. <i>New Journal of Chemistry</i> , 2001 , 25, 954-958	3.6	59
151	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. <i>Nature Communications</i> , 2016 , 7, 11002	17.4	58
150	$\{Mn(OH2)2[Mn(bpym)(OH2)]2[Fe(CN)6]2\}_n$ a two-dimensional ferrimagnet with a partial cubane motif. <i>Chemical Communications</i> , 2000 , 1077-1078	5.8	58
149	Homochiral Metal-Organic Frameworks for Enantioselective Separations in Liquid Chromatography. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14306-14316	16.4	56
148	Synthesis, structure, and magnetic properties of the oxalate-based bimetallic ferromagnetic chain $\{[K(18-crown-6)][Mn(H2O)2Cr(ox)3]\}_n$ (18-crown-6 = $C_{12}H_{24}O_6$, ox = $C_2O_4^{2-}$). <i>Inorganic Chemistry</i> , 2005 , 44, 6197-202	5.1	55
147	Charge transfer salts of tetrathiafulvalene derivatives with magnetic iron(III) oxalate complexes: $[TTF]7[Fe(ox)3]2\cdot 4H2O$, $[TTF]5[Fe2(ox)5]\cdot PhMe\cdot 2H2O$ and $[TMTTF]4[Fe2(ox)5]\cdot PhCN\cdot 4H2O$ (TMTTF = tetramethyltetrathiafulvalene). <i>Dalton Transactions RSC</i> , 2000 , 205-210		53
146	A Database of the Structural and Electronic Properties of Prussian Blue, Prussian White, and Berlin Green Compounds through Density Functional Theory. <i>Inorganic Chemistry</i> , 2016 , 55, 12851-12862	5.1	53
145	A microporous framework from a magnetic molecular square: $[Co(HAT)Cl2]4$ (HAT = 1,4,5,8,9,11-hexaazatriphenylene). <i>Chemical Communications</i> , 2001 , 217-218	5.8	52
144	Hybrid molecular materials formed by alternating layers of bimetallic oxalate complexes and tetrathiafulvalene molecules: Synthesis, structure, and magnetic properties of $TTF4(Mn(H2O)2)[Cr(ox)3]2\cdot 4H2O$. <i>Advanced Materials</i> , 1996 , 8, 737-740	24	52
143	Easy Excited-State Trapping and Record High TTIESST in a Spin-Crossover Polyanionic Fe(II) Trimer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11924-7	16.4	49
142	Cation-directed dimeric versus tetrameric assemblies of lanthanide-stabilized dilacunary Keggin tungstogermanates. <i>Chemistry - A European Journal</i> , 2014 , 20, 12144-56	4.8	49
141	Design of bimetallic magnetic chains based on oxalate complexes: towards single chain magnets. <i>CrystEngComm</i> , 2009 , 11, 2143	3.3	49
140	New paramagnetic Re(II) compounds with nitrile and cyanide ligands prepared by homolytic scission of dirhenium complexes. <i>Inorganic Chemistry</i> , 2003 , 42, 4256-8	5.1	48

- 139 Tetracobalt-polyoxometalate catalysts for water oxidation: Key mechanistic details. *Journal of Catalysis*, **2017**, 350, 56-63 7.3 47
- 138 Hybrid Organic/Inorganic Molecular Materials Formed by Tetrathiafulvalene Radicals and Magnetic Trimeric Clusters of Dimetallic Oxalate-Bridged Complexes: The Series (TTF)₄{M^{II}(H₂O)₂[M^{III}(ox)₃]₂}_nH₂O (M^{II} = Mn, Fe, Co, Ni, Cu and Zn; M^{III} = Cr and Fe; ox = C₂O₄²⁻) 2.3 47
- 137 Self-assembly of a high-nuclearity chloride-centered copper(II) cluster. Structure and magnetic properties of [Au(PPh₃)₂][trans-Cu₆(micro-OH)₆[micro-(3,5-CF₃)₂pz]₆Cl]. *Inorganic Chemistry*, **2007**, 46, 2348-9 5.1 46
- 136 Unraveling Charge Transfer in CoFe Prussian Blue Modified BiVO₄ Photoanodes. *ACS Energy Letters*, **2019**, 4, 337-342 20.1 46
- 135 Spin crossover FeII complexes as templates for bimetallic oxalate-based 3D magnets. *Polyhedron*, **2007**, 26, 1838-1844 2.7 45
- 134 Charge Transfer Salts Based on Polyoxometalates and Seleno-Substituted Organic Donors. Synthesis, Structure, and Magnetic Properties of (BEST)₃H[PMo(12)O(40)].CH(3)CN.CH(2)Cl(2) (BEST = Bis(ethylenediseleno)tetrathiafulvalene). *Inorganic Chemistry*, **1998**, 37, 2183-2188 5.1 45
- 133 Self-assembly of a copper(II)-based metallosupramolecular hexagon. *Inorganic Chemistry*, **2008**, 47, 5197-5203 44
- 132 Synthesis and characterization of a soluble bimetallic oxalate-based bidimensional magnet: [K(18-crown-6)]₃[Mn₃(H₂O)₄[Cr(ox)₃]₃]. *Inorganic Chemistry*, **2006**, 45, 1882-4 5.1 42
- 131 Oxalate-Based 3D Chiral Magnets: The Series [ZII(bpy)₃][ClO₄][MIIIFeIII(ox)₃] (ZII = Fe, Ru; MII = Mn, Fe; bpy = 2,2'-Bipyridine; ox = Oxalate Dianion). *European Journal of Inorganic Chemistry*, **2005**, 2005, 2064-2070 2.3 42
- 130 Electrochemically Driven Water-Oxidation Catalysis Beginning with Six Exemplary Cobalt Polyoxometalates: Is It Molecular, Homogeneous Catalysis or Electrode-Bound, Heterogeneous CoO Catalysis?. *Journal of the American Chemical Society*, **2018**, 140, 12040-12055 16.4 41
- 129 Discrete Dinuclear Complexes and Two-Dimensional Architectures from Bridging Polynitrile and Bipyrimidine (bpym) Ligands: Syntheses, Structures and Magnetic Properties of [M₂(bpym)(dcne)₄(H₂O)₂] (M = MnII, CoII) and [M₂(bpym)(dcne)₄(H₂O)₄]₂H₂O (M = FeII, CuII) (dcne = [(CN)₂CC(O)OEt]). *European Journal of Inorganic Chemistry*, **2004**, 2004, 3783-3791 2.3 40
- 128 Unusual Magnetic Behavior in the Layered Ferromagnet [Ni(C₆H₁₄N₂)₂]₃[Fe(CN)₆]₂·2H₂O. *European Journal of Inorganic Chemistry*, **2002**, 2002, 1603-1606 2.3 40
- 127 Conducting Anilate-Based Mixed-Valence Fe(II)Fe(III) Coordination Polymer: Small-Polaron Hopping Model for Oxalate-Type Fe(II)Fe(III) 2D Networks. *Journal of the American Chemical Society*, **2018**, 140, 12611-12621 16.4 40
- 126 Hybrid molecular materials based upon organic pi-electron donors and metal complexes. Radical salts of bis(ethylenethia)tetrathiafulvalene (BET-TTF) with the octahedral anions hexacyanoferrate(III) and nitroprusside. The first kappa phase in the BET-TTF family. *Inorganic Chemistry*, **2001**, 40, 3521-33 5.1 38
- 125 HAT(CN)₆: a new building block for molecule-based magnetic materials. *Synthetic Metals*, **2001**, 122, 535-542 3.6 37
- 124 The first radical salt of the polyoxometalate cluster [P₂W₁₈O₆₂]₆⁷⁻ with bis(ethylenedithio)tetrathiafulvalene (ET): ET₁₁[P₂W₁₈O₆₂]₆·3H₂O. *Advanced Materials*, **1996**, 8, 801-803 24 37
- 123 Solution Speciation and Stability of Cobalt-Polyoxometalate Water Oxidation Catalysts by X-ray Scattering. *European Journal of Inorganic Chemistry*, **2015**, 2015, 2833-2840 2.3 35
- 122 Photo-assisted water oxidation by high-nuclearity cobalt-oxo cores: tracing the catalyst fate during oxygen evolution turnover. *Green Chemistry*, **2017**, 19, 2416-2426 10 34

121	Experimental and Computational Studies of Charge-Transfer and Reduction Products of 1, 4, 5, 8, 9, 11-Hexaazatriphenylene-Hexacarbonitrile: HAT-(CN) ₆ . <i>Journal of Cluster Science</i> , 2004 , 15, 503-530	3	34
120	One-dimensional assemblies of dirhodium units bridged by N,N'-dicyanoquinonediimine ligands. <i>Inorganic Chemistry</i> , 2000 , 39, 5870-3	5.1	34
119	Ln12 -Containing 60-Tungstogermanates: Synthesis, Structure, Luminescence, and Magnetic Studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 18168-76	4.8	33
118	Reactivity studies of anticancer active dirhodium complexes with 2-aminothiophenol. <i>Inorganic Chemistry</i> , 2002 , 41, 433-6	5.1	33
117	Boosting Photoelectrochemical Water Oxidation of Hematite in Acidic Electrolytes by Surface State Modification. <i>Advanced Energy Materials</i> , 2019 , 9, 1901836	21.8	32
116	Level Alignment as Descriptor for Semiconductor/Catalyst Systems in Water Splitting: The Case of Hematite/Cobalt Hexacyanoferrate Photoanodes. <i>ChemSusChem</i> , 2017 , 10, 4552-4560	8.3	31
115	Insertion of Magnetic Bimetallic Oxalate Complexes into Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2006 , 18, 6112-6114	9.6	31
114	Cobalt hexacyanoferrate supported on Sb-doped SnO ₂ as a non-noble catalyst for oxygen evolution in acidic medium. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 589-597	5.8	30
113	Radical salts of the organic donor BET-TTF with polyoxometalate clusters. <i>Journal of Materials Chemistry</i> , 1998 , 8, 313-317		30
112	Hybrid materials containing organometallic cations and 3-D anionic metal dicyanamide networks of type [Cp* ₂ M][M(dca) ₃]. <i>Dalton Transactions</i> , 2005 , 285-90	4.3	30
111	Heptacoordinated Mn(II) in oxalate-based bimetallic 2D magnets: synthesis and characterisation of [Mn(L) ₆][Mn(CH ₃ OH)M(III)(ox) ₃] ₂ (M(III) = Cr, Rh; ox = oxalate dianion; L = H ₂ O, CH ₃ OH). <i>Dalton Transactions</i> , 2006 , 3294-9	4.3	30
110	Hysteretic spin crossover above room temperature and magnetic coupling in trinuclear transition-metal complexes with anionic 1,2,4-triazole ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 5369-79	4.8	29
109	Hybrid molecular materials based upon the photochromic nitroprusside complex, [Fe(CN) ₅ NO] ²⁻ , and organic pi-electron donors. Synthesis, structure, and properties of the radical salt (TTF) ₇ [Fe(CN) ₅ NO] ₂ (TTF = tetrathiafulvalene). <i>Inorganic Chemistry</i> , 2000 , 39, 5394-7	5.1	29
108	A "cation-less" oxalate-based ferromagnet formed by neutral bimetallic layers: {[Co(H ₂ O) ₂] ₃ [Cr(ox) ₃] ₂ (18-crown-6) ₂ }(infinity) (ox = oxalate dianion; 18-crown-6 = C ₁₂ H ₂₄ O ₆). <i>Inorganic Chemistry</i> , 2007 , 46, 8108-10	5.1	28
107	Hybrid molecular materials based on organic molecules and the inorganic magnetic cluster [M ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ₁₀ (M ₂ + = Co, Mn). <i>Journal of Materials Chemistry</i> , 1998 , 8, 309-312		28
106	Synthesis, structure and magnetic properties of the one-dimensional chain compound {K[Fe(1,3,5-triazine-2,4,6-tricarboxylate)(H ₂ O) ₂] ₂ (H ₂ O)} _n . <i>Dalton Transactions RSC</i> , 2002 , 2710-2713		26
105	Versatile Nature of Oxygen Vacancies in Bismuth Vanadate Bulk and (001) Surface. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6672-6678	6.4	25
104	Intercalation of two-dimensional oxalate-bridged molecule-based magnets into layered double hydroxide hosts. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9476		25

103	[Cu(L-prolinate) ₂]: A catalyst for environmentally friendly oxidation of alkanes and alkenes with H ₂ O ₂ and O ₂ . <i>Catalysis Communications</i> , 2012 , 23, 30-33	3.2	24
102	Giant Crown-Shaped Polytungstate Formed by Self-Assembly of Ce(III)-Stabilized Dilacunary Keggin Fragments. <i>Angewandte Chemie</i> , 2010 , 122, 8562-8566	3.6	24
101	Single-molecule-magnet behavior in the family of [Ln(OETAP) ₂] double-decker complexes (Ln=lanthanide, OETAP=octa(ethyl)tetraazaporphyrin). <i>Chemistry - A European Journal</i> , 2014 , 20, 12817-12825	4.8	23
100	Strong hard X-ray magnetochiral dichroism in paramagnetic enantiopure molecules. <i>Advanced Materials</i> , 2012 , 24, 3120-3	24	23
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