Juan M Clemente-Juan

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#	Paper	IF	Citations
187	Mononuclear lanthanide single-molecule magnets based on polyoxometalates. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8874-5	16.4	758
186	High-Nuclearity Magnetic Clusters: Generalized Spin Hamiltonian and Its Use for the Calculation of the Energy Levels, Bulk Magnetic Properties, and Inelastic Neutron Scattering Spectra. <i>Inorganic Chemistry</i> , 1999 , 38, 6081-6088	5.1	556
185	Magnetic polyoxometalates: from molecular magnetism to molecular spintronics and quantum computing. <i>Chemical Society Reviews</i> , 2012 , 41, 7464-78	58.5	551
184	Mononuclear lanthanide single molecule magnets based on the polyoxometalates [Ln(W5O18)2]9-and [Ln(beta2-SiW11O39)2]13- (Ln(III) = Tb, Dy, Ho, Er, Tm, and Yb). <i>Inorganic Chemistry</i> , 2009 , 48, 3467-	7 ⁵ 9 ¹	441
183	Magnetic clusters from polyoxometalate complexes. <i>Coordination Chemistry Reviews</i> , 1999 , 193-195, 361-394	23.2	308
182	Influence of peripheral substitution on the magnetic behavior of single-ion magnets based on homo- and heteroleptic Tb(III) bis(phthalocyaninate). <i>Chemistry - A European Journal</i> , 2013 , 19, 1457-65	4.8	290
181	Increasing the Nuclearity of Magnetic Polyoxometalates. Syntheses, Structures, and Magnetic Properties of Salts of the Heteropoly Complexes [Ni3(H2O)3(PW10O39)H2O]7-, [Ni4(H2O)2(PW9O34)2]10-, and [Ni9(OH)3(H2O)6(HPO4)2(PW9O34)3]16 <i>Inorganic Chemistry</i> ,	5.1	230
180	Lanthanoid single-ion magnets based on polyoxometalates with a 5-fold symmetry: the series [LnP5W30O110]12- (Ln3+ = Tb, Dy, Ho, Er, Tm, and Yb). <i>Journal of the American Chemical Society</i> , 2012 , 134, 14982-90	16.4	206
179	A nonanuclear iron(II) single-molecule magnet. Angewandte Chemie - International Edition, 2004, 43, 226	66-67.Q	196
178	Rational design of single-ion magnets and spin qubits based on mononuclear lanthanoid complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 12565-74	5.1	177
177	Unprecedented ferromagnetic interaction in homobinuclear erbium and gadolinium complexes: structural and magnetic studies. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 323-5	16.4	175
176	Effect of cyanato, azido, carboxylato, and carbonato ligands on the formation of cobalt(II) polyoxometalates: characterization, magnetic, and electrochemical studies of multinuclear cobalt clusters. <i>Chemistry - A European Journal</i> , 2007 , 13, 3525-36	4.8	173
175	Gd-based single-ion magnets with tunable magnetic anisotropy: molecular design of spin qubits. <i>Physical Review Letters</i> , 2012 , 108, 247213	7.4	166
174	Poly(polyoxotungstate)s with 20 nickel centers: from nanoclusters to one-dimensional chains. Angewandte Chemie - International Edition, 2009 , 48, 7176-9	16.4	165
173	Synthesis, structure, and magnetic properties of the low-symmetry tetranuclear cubane-like nickel complex [Ni4(pypentO)(pym)(mu 3-OH)2(mu- Oac)2(NCS)2(OH2)]. <i>Inorganic Chemistry</i> , 2000 , 39, 5515-9	5.1	147
172	Cobalt-containing silicotungstate sandwich dimer [{Co3(B-beta-SiW9O33(OH))(B-beta-SiW8O29(OH)2)}2]22 <i>Inorganic Chemistry</i> , 2005 , 44, 9360-8	5.1	136
171	Unprecedented (Cu2Ln)n complexes (Ln = Gd3+, Tb3+): a new "single chain magnet". <i>Inorganic Chemistry</i> , 2004 , 43, 8200-2	5.1	128

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170	A mixed-valence polyoxovanadate(III,IV) cluster with a calixarene cap exhibiting ferromagnetic V(III)-V(IV) interactions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2365-71	16.4	122
169	Modeling the properties of lanthanoid single-ion magnets using an effective point-charge approach. <i>Dalton Transactions</i> , 2012 , 41, 13705-10	4.3	119
168	A unique example of structural and magnetic diversity in four interconvertible copper(II)-azide complexes with the same schiff base ligand: a monomer, a dimer, a chain, and a layer. <i>Inorganic Chemistry</i> , 2010 , 49, 6616-27	5.1	112
167	Antisymmetric exchange in triangular tricopper(II) complexes: correlation among structural, magnetic, and electron paramagnetic resonance parameters. <i>Inorganic Chemistry</i> , 2012 , 51, 985-1001	5.1	102
166	A family of enneanuclear iron(II) single-molecule magnets. <i>Chemistry - A European Journal</i> , 2008 , 14, 25	1 4. 86	102
165	New poly-iron(II) complexes of N4O dinucleating Schiff bases and pseudohalides: syntheses, structures, and magnetic and M\(\begin{align*} \text{Stauer properties.} \text{Inorganic Chemistry, 2004, 43, 1574-86} \end{align*}	5.1	102
164	Beyond the spin model: exchange coupling in molecular magnets with unquenched orbital angular momenta. <i>Chemical Society Reviews</i> , 2011 , 40, 3130-56	58.5	101
163	A new heptanuclear cobalt(II) cluster encapsulated in a novel heteropolyoxometalate topology: synthesis, structure, and magnetic properties of [Co7H2O)2(OH)2(P2W25O94]16 <i>Inorganic Chemistry</i> , 2004 , 43, 2689-94	5.1	101
162	Spin-lattice relaxation via quantum tunneling in an Er3+-polyoxometalate molecular magnet. <i>Physical Review B</i> , 2010 , 82,	3.3	98
161	Anion-directed synthesis of metal-organic frameworks based on 2-picolinate Cull complexes: a ferromagnetic alternating chain and two unprecedented ferromagnetic fish backbone chains. <i>Inorganic Chemistry</i> , 2007 , 46, 10771-80	5.1	97
160	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering: Evidence for Anisotropic Ferromagnetic Exchange Interactions in the Tetrameric Cobalt(II) Cluster [Co4(H2O)2(PW9O34)2]10 Comparison with the Magnetic and Specific Heat Properties. <i>Journal of</i>	16.4	91
159	Synthesis, structure, and magnetic properties of tetranuclear cubane-like and chain-like iron(II) complexes based on the N(4)O pentadentate dinucleating ligand 1,5-bis[(2-pyridylmethyl)amino]pentan-3-ol. <i>Inorganic Chemistry</i> , 2002 , 41, 1478-91	5.1	88
158	The azido ligand: a useful tool in designing chain compounds exhibiting alternating ferro- and antiferro-magnetic interactions. <i>Chemical Communications</i> , 1997 , 1195-1196	5.8	86
157	SIMPRE: a software package to calculate crystal field parameters, energy levels, and magnetic properties on mononuclear lanthanoid complexes based on charge distributions. <i>Journal of Computational Chemistry</i> , 2013 , 34, 1961-7	3.5	84
156	A novel high-spin heterometallic Ni12K4 cluster incorporating large Ni-azide circles and an in situ cyanomethylated di-2-pyridyl ketone. <i>Chemical Communications</i> , 2005 , 233-5	5.8	84
155	Ferromagnetic interaction in a polynuclear gadolinium complex: structure and magnetic studies. <i>Dalton Transactions</i> , 2003 , 1272-1275	4.3	84
154	Single-component magnetic conductors based on Mo3S7 trinuclear clusters with outer dithiolate ligands. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12076-83	16.4	83
153	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]x5H2O, [Ni(en)2][Fe(CN)5NO]x3H2O,	5.1	81

2001. 40. 87-94

152	Microscopic approach to the pseudo-spin-1/2 Hamiltonian for Kramers doublets in exchange coupled Co(II) pairs. <i>Inorganic Chemistry</i> , 2003 , 42, 2455-8	5.1	75
151	Dinuclear (Fe(II), Gd(III)) complexes deriving from hexadentate Schiff bases: synthesis, structure, and MBsbauer and magnetic properties. <i>Inorganic Chemistry</i> , 2002 , 41, 2886-91	5.1	75
150	Crystal structures and magnetic properties of 2,3,5,6-tetrakis(2-pyridyl)pyrazine (tppz)-containing copper(II) complexes. <i>Inorganic Chemistry</i> , 2003 , 42, 8716-27	5.1	74
149	Mixed-valence polyoxometalate clusters. I. Delocalization of electronic pairs in dodecanuclear heteropoly blues with keggin structure. <i>Chemical Physics</i> , 1995 , 195, 1-15	2.3	73
148	Modeling the properties of uranium-based single ion magnets. Chemical Science, 2013, 4, 938-946	9.4	71
147	Magnetic polyoxometalates: anisotropic exchange interactions in the moiety of [(NaOH2)Co3(H2O)(P2W15O56)2]17 <i>Inorganic Chemistry</i> , 2005 , 44, 3389-95	5.1	71
146	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering: Evidence for Ferromagnetic Exchange Interactions and Spin Anisotropy in the Tetrameric Nickel(II) Cluster [Ni4(H2O)2(PW9O34)2]10- and Comparison with the Magnetic Properties. Journal of the	16.4	70
145	American Chemical Society, 1999 , 121, 10021-10027 Trans-dicyanobis(acetylacetonato)ruthenate(III) as a precursor to build novel cyanide-bridged RullIMII bimetallic compounds [M = Co and Ni]. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 2176-2193	23.2	69
144	Electron delocalization in mixed-valence Keggin polyoxometalates. Ab initio calculation of the local effective transfer integrals and its consequences on the spin coupling. <i>Journal of the American Chemical Society</i> , 2002 , 124, 15134-40	16.4	69
143	Construction of a general library for the rational design of nanomagnets and spin qubits based on mononuclear f-block complexes. The polyoxometalate case. <i>Inorganic Chemistry</i> , 2014 , 53, 9976-80	5.1	67
142	Copper-, cobalt-, and manganese-containing 17-tungsto-2-germanates. <i>Inorganic Chemistry</i> , 2009 , 48, 5884-90	5.1	61
141	Role of the electron transfer and magnetic exchange interactions in the magnetic properties of mixed-valence polyoxovanadate complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 5889-901	5.1	59
140	Magnetic exchange between metal ions with unquenched orbital angular momenta: basic concepts and relevance to molecular magnetism. <i>International Reviews in Physical Chemistry</i> , 2010 , 29, 135-230	7	57
139	Heterotetranuclear oxalato-bridged Re(IV)3M(II) (M = Mn, Fe, Co, Ni, Cu) complexes: a new example of a single-molecule magnet (M = Ni). <i>Inorganic Chemistry</i> , 2009 , 48, 3027-38	5.1	56
138	Magnetic polyoxometalates: anisotropic antiferro- and ferromagnetic exchange interactions in the pentameric cobalt(II) cluster. <i>Inorganic Chemistry</i> , 2001 , 40, 1943-50	5.1	56
137	Orbitally dependent magnetic coupling between cobalt(II) ions: The problem of the magnetic anisotropy. <i>Journal of Chemical Physics</i> , 2003 , 118, 5566-5581	3.9	53
136	Structures, Magnetic Properties, and Reactivity Studies of Salts Containing the Dinuclear Anion [M2Cl6]2- (M = Mn, Fe, Co). <i>Inorganic Chemistry</i> , 1999 , 38, 5841-5855	5.1	49
135	Isolation of four new CoII/CoIII and NiII complexes with a pentadentate Schiff base ligand: syntheses, structural descriptions and magnetic studies. <i>Dalton Transactions</i> , 2011 , 40, 1652-61	4.3	48

134	Coherent manipulation of spin qubits based on polyoxometalates: the case of the single ion magnet [GdW30P5O110]14 <i>Chemical Communications</i> , 2013 , 49, 8922-4	5.8	47	
133	Two iron-containing tungstogermanates: [K(H2O)(beta-Fe2GeW10O37(OH))(gamma-GeW10O36)]12- and [{beta-Fe2GeW10O37(OH)2}2]12 Inorganic Chemistry, 2007 , 46, 8763-70	5.1	47	
132	Hexanuclear iron(III) salicylaldoximato complexes presenting the [Fe6(mu3-O)2(mu2-OR)2]12+ core: syntheses, crystal structures, and spectroscopic and magnetic characterization. <i>Inorganic Chemistry</i> , 2006 , 45, 2317-26	5.1	47	
131	An original 1D Cutto heterometallic compound: synthesis, structure and magnetic properties. <i>New Journal of Chemistry</i> , 2006 , 30, 572	3.6	45	
130	Magnetization relaxation in a three-dimensional ligated cobalt phosphonate containing ferrimagnetic chains. <i>Chemistry - A European Journal</i> , 2011 , 17, 3579-83	4.8	44	
129	Oxalato-bridged dinuclear complexes of Cr(III) and Fe(III): synthesis, structure, and magnetism of [(C2H5)4N]4[MMRox)(NCS)8] with MMP= CrCr, FeFe, and CrFe. <i>Inorganic Chemistry</i> , 2000 , 39, 3771-6	5.1	44	
128	Magnetic Exchange between Orbitally Degenerate Ions: A New Development for the Effective Hamiltonian. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 200-213	2.8	44	
127	A ferromagnetic tetranuclear nickel(II) Schiff-base complex with an asymmetric Ni4O4 cubane core. <i>Polyhedron</i> , 2014 , 74, 1-5	2.7	43	
126	High-nuclearity Ni-substituted polyoxometalates: a series of poly(polyoxotungstate)s containing 2012 nickel centers. <i>Chemistry - A European Journal</i> , 2011 , 17, 13032-43	4.8	43	
125	Role of orbital degeneracy in the single molecule magnet behavior of a mononuclear high-spin Fe(II) complex. <i>Inorganic Chemistry</i> , 2010 , 49, 8073-7	5.1	43	
124	Defective dicubane-like tetranuclear nickel(II) cyanate and azide nanoscale magnets. <i>Inorganic Chemistry</i> , 2010 , 49, 11541-9	5.1	42	
123	Mixed-valence polyoxometalate clusters. II. Delocalization of electronic pairs in 18-site heteropoly blues with Wells-Dawson structure. <i>Chemical Physics</i> , 1995 , 195, 17-28	2.3	42	
122	High-nuclearity mixed-valence magnetic clusters: A general solution of the double exchange problem. <i>Journal of Chemical Physics</i> , 1996 , 105, 6892-6909	3.9	40	
121	Breathing effect in a cobalt phosphonate upon dehydration/rehydration: a single-crystal-to-single-crystal study. <i>Chemistry - A European Journal</i> , 2013 , 19, 16394-402	4.8	39	
120	Effects of halogen bonding in ferromagnetic chains based on Co(II) coordination polymers. <i>CrystEngComm</i> , 2010 , 12, 2339	3.3	39	
119	Electron delocalization and electrostatic repulsion at the origin of the strong spin coupling in mixed-valence keggin polyoxometalates: ab initio calculations of the one- and two-electron processes. Chemistry - A European Journal, 2004, 10, 4041-53	4.8	39	
118	Magnetism in polyoxometalates: anisotropic exchange interactions in the Co3II moiety of [Co3W(D2O)2(ZnW9O34)2](12-)A magnetic and inelastic neutron scattering study. <i>Chemistry - A European Journal</i> , 2002 , 8, 5701-8	4.8	39	
117	Mixed-valence polyoxometalate clusters. III. Vibronic problem for the 2-electron reduced heteropoly blue with the Keggin structure. <i>Chemical Physics</i> , 1995 , 195, 29-47	2.3	39	

116	Magneto-structural correlations and DFT calculations in two rare tetranuclear copper(II)-clusters with doubly phenoxo and end-on azido bridges: Syntheses, structural variations and EPR studies. <i>Inorganica Chimica Acta</i> , 2010 , 363, 3580-3588	2.7	38
115	New Reactivity of 4-Amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole: Synthesis and Structure of a Mononuclear Species, a Dinuclear Species, and a Novel Tetranuclear Nickel(II) Rectangle Box, and Magnetic Properties of the Dinuclear and Tetranuclear Complexes. <i>European Journal of Inorganic</i>	2.3	38
114	Electrically switchable magnetic molecules: inducing a magnetic coupling by means of an external electric field in a mixed-valence polyoxovanadate cluster. <i>Chemistry - A European Journal</i> , 2015 , 21, 7	′63-9 ^{1.8}	36
113	Metal Phosphonates Based on {[(Benzimidazol-2-ylmethyl)imino]bis(methylene)}bis(phosphonic Acid): Syntheses, Structures and Magnetic Properties of the Chain Compounds [M{(C7H5N2)CH2N(CH2PO3H)2}](M = Mn, Fe, Co, Cu, Cd). European Journal of Inorganic Chemistry,	2.3	36
112	A Comparative Structural and Magnetic Study of Three Compounds Based on the Cluster Unit M4Cl8(THF)6 (M=Mn, Fe, Co). <i>Journal of Solid State Chemistry</i> , 2001 , 159, 281-292	3.3	36
111	Supramolecular 2D/3D isomerism in a compound containing heterometallic Cu(II)2Co(II) nodes and dicyanamide bridges. <i>Inorganic Chemistry</i> , 2014 , 53, 2441-9	5.1	35
110	Molecular anisotropy analysis of single-ion magnets using an effective electrostatic model. <i>Inorganic Chemistry</i> , 2014 , 53, 11323-7	5.1	34
109	A Nonanuclear Iron(II) Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2004 , 116, 2316-2320	3.6	33
108	Single ion magnets based on lanthanoid polyoxomolybdate complexes. <i>Dalton Transactions</i> , 2016 , 45, 16653-16660	4.3	32
107	Magnetic exchange interaction in a pair of orbitally degenerate ions: Magnetic anisotropy of [Ti2Cl9]B. <i>Journal of Chemical Physics</i> , 2001 , 114, 1148-1164	3.9	32
106	Coordination of gadolinium(III) ions with a preformed Ebxo diiron(III) complex: structural and magnetic data. <i>Dalton Transactions</i> , 2003 , 464-468	4.3	31
105	Magnetic exchange interaction in clusters of orbitally degenerate ions. I. Effective Hamiltonian. <i>Chemical Physics</i> , 2001 , 274, 131-144	2.3	31
104	Cobalt Clusters with Cubane-Type Topologies Based on Trivacant Polyoxometalate Ligands. <i>Inorganic Chemistry</i> , 2016 , 55, 925-38	5.1	30
103	Heptanuclear hydroxo-bridged copper cluster of the dicubane-like type: structural and magnetic characterizations of $[Cu7(OH)6Cl2(pn)6(H2O)2](C(CN)3)4Cl2(pn = 1,3-diaminopropane)$. Chemical Communications, 2001, 2172-3	5.8	29
102	An updated version of the computational package SIMPRE that uses the standard conventions for Stevens crystal field parameters. <i>Journal of Computational Chemistry</i> , 2014 , 35, 1930-4	3.5	28
101	Mixed-valence molecular four-dot unit for quantum cellular automata: Vibronic self-trapping and cell-cell response. <i>Journal of Chemical Physics</i> , 2015 , 143, 134307	3.9	27
100	Molecular analog of multiferroics: Electric and magnetic field effects in many-electron mixed-valence dimers. <i>Physical Review B</i> , 2012 , 86,	3.3	27
99	Magnetic exchange interaction in clusters of orbitally degenerate ions. II. Application of the irreducible tensor operator technique. <i>Chemical Physics</i> , 2001 , 274, 145-163	2.3	27

98	Electric field control of the spin state in mixed-valence magnetic molecules. <i>ChemPhysChem</i> , 2012 , 13, 2662-5	3.2	26
97	Anisotropic exchange coupling in the Keggin derivative K8[Co2(D2O)(W11O39)] □n D2O. <i>Chemical Physics Letters</i> , 1998 , 289, 224-230	2.5	26
96	Synthesis, structure and magnetic properties of the one-dimensional chain compound {K[Fe(1,3,5-triazine-2,4,6-tricarboxylate)(H2O)2][PH2O][Dalton Transactions RSC, 2002, 2710-2713		26
95	Nonanuclear Spin-Crossover Complex Containing Iron(II) and Iron(III) Based on a 2,6-Bis(pyrazol-1-yl)pyridine Ligand Functionalized with a Carboxylate Group. <i>Inorganic Chemistry</i> , 2016 , 55, 9361-7	5.1	25
94	Modelling electric field control of the spin state in the mixed-valence polyoxometalate [GeV14O40]8 <i>Chemical Communications</i> , 2013 , 49, 9621-3	5.8	23
93	Synthesis, crystal structure and magnetic properties of a new cyanide-bridged iron(III) lickel(II) ferromagnetic chain. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3912-3918	2.7	23
92	Self-trapping of charge polarized states in four-dot molecular quantum cellular automata: bi-electronic tetrameric mixed-valence species. <i>Pure and Applied Chemistry</i> , 2015 , 87, 271-282	2.1	22
91	Coherent Manipulation of Polarization in Mixed-Valence Compounds by Electric Pulse via Landau Zener Transitions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4999-5008	3.8	22
90	Synthesis, Crystal Structure, and Magnetic Properties of an Octanuclear Nickel(II) Complex with a hexahedro-Ni8 Core. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1485-1487		22
89	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 893-897	6.8	21
88	Light-induced decarboxylation in a photo-responsive iron-containing complex based on polyoxometalate and oxalato ligands. <i>Chemical Science</i> , 2017 , 8, 305-315	9.4	21
87	Bimetallic MnIIIEeII hybrid complexes formed by a functionalized MnIII Anderson polyoxometalate coordinated to FeII: observation of a field-induced slow relaxation of magnetization in the MnIII centres and a photoinduced spin-crossover in the FeII centres. <i>Journal of Materials Chemistry C</i> ,	7.1	21
86	High-nuclearity mixed-valence clusters and mixed-valence chains: general approach to the calculation of the energy levels and bulk magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 4557-68	5.1	21
85	Alternating antiferromagnetic and ferromagnetic exchange interactions in the $S=1$ Heisenberg chain. Theory and magnetic properties. <i>Chemical Physics Letters</i> , 1997 , 275, 79-84	2.5	21
84	Two pyrazolylborate dysprosium(III) and neodymium(III) single ion magnets modeled by a Radial Effective Charge approach. <i>Polyhedron</i> , 2013 , 66, 39-42	2.7	20
83	Origin of the Paramagnetic Properties of the Mixed-Valence Polyoxometalate [GeV14O40]8[] Reduced by Two Electrons: Wave Function Theory and Model Hamiltonian Calculations. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 5109-5114	2.3	20
82	Spin Switching in Molecular Quantum Cellular Automata Based on Mixed-Valence Tetrameric Units. Journal of Physical Chemistry C, 2016 , 120, 16994-17005	3.8	20
81	A symmetry adapted approach to the dynamic Jahn-Teller problem: Application to mixed-valence polyoxometalate clusters with keggin structure. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 2957-2964	2.1	19

80	Structural and magnetic studies of tetranuclear heterometallic M/Cr (M = Co, Mn) complexes self-assembled from zerovalent cobalt or manganese, Reineckes salt and diethanolamine. <i>Polyhedron</i> , 2010 , 29, 1326-1336	2.7	19
79	Electric field control of the optical properties in magnetic mixed-valence molecules. <i>Chemical Science</i> , 2014 , 5, 3598-3602	9.4	18
78	Mixed-valence polyoxometalates: spin-coupling and electron distribution in the decawolframate anion reduced by two electrons. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 9969-77	2.8	18
77	A Diferrous Single-Molecule Magnet. European Journal of Inorganic Chemistry, 2007, 2007, 2409-2415	2.3	18
76	Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7-dichloro-8-quinolinolato)gadolinium(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3820-3826	2.3	18
75	Anisotropic double exchange in orbitally degenerate mixed valence systems. <i>Chemical Physics</i> , 2000 , 254, 275-285	2.3	18
74	Mixed-Valence Molecular Unit for Quantum Cellular Automata: Beyond the Born-Oppenheimer Paradigm through the Symmetry-Assisted Vibronic Approach. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 3545-60	6.4	17
73	The first example of a hetero-tetranuclear [(VO)Gd](2) complex: synthesis, crystal structure and magnetic properties of [VOLGd(hfa)(2)CH(3)OH](2).2CH(3)OH.2(CH(3))(2)CO. <i>Dalton Transactions</i> , 2005 , 2830-2	4.3	17
72	Spontaneous Magnetization in Heterometallic NiFe-MOF-74 Microporous Magnets by Controlled Iron Doping. <i>Chemistry of Materials</i> , 2017 , 29, 6181-6185	9.6	16
71	Unprecedented pseudo-trigonal-bipyramidal intermediate-spin iron(III) complex: synthesis, crystal structure and magnetic properties of [Fe(4,4?-bipy)2(NCS)3][[CH3)2CO. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 1375		16
70	Key Role of Size and Electronic Configuration on the Sign and Strength of the Magnetic Coupling in a Series of Cu2Ln Trimers (Ln = Ce, Gd, Tb, Dy and Er). <i>Magnetochemistry</i> , 2016 , 2, 2	3.1	16
69	Deciphering the Role of Dipolar Interactions in Magnetic Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2018 , 57, 2013-2022	5.1	15
68	Electronic and magnetic study of polycationic Mn(12) single-molecule magnets with a ground spin state $S = 11$. <i>Inorganic Chemistry</i> , 2010 , 49, 386-96	5.1	15
67	MVPACK: a package to calculate energy levels and magnetic properties of high nuclearity mixed valence clusters. <i>Journal of Computational Chemistry</i> , 2010 , 31, 1321-32	3.5	15
66	Supramolecular diversity and magnetic properties of novel heterometallic Cu(II)/Cr(III) complexes prepared from copper powder, Reineckes salt and ethylenediamine. <i>Inorganica Chimica Acta</i> , 2009 , 362, 2237-2246	2.7	15
65	Magnetic Exchange between Orbitally Degenerate Metal Ions: The Problem of Magnetic Anisotropy. <i>Journal of Solid State Chemistry</i> , 2001 , 159, 268-280	3.3	15
64	Synthesis, Crystal Structure, Thermal Analysis and Magnetic Behavior of a Novel One-Dimensional Polymeric Pyridinium Chlorocuprate(II): (Hpy)2[Cu3Cl8(H2O)2]. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 4253-4259	2.3	14
63	Reversible core-interconversion of an iron(III) dihydroxo bridged complex. <i>Inorganic Chemistry</i> , 2008 , 47, 11314-23	5.1	13

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62	Designing binuclear transition metal complexes: a new example of the versatility of N,NPbis(2-aminobenzyl)-4,13-diaza-18-crown-6. <i>Dalton Transactions</i> , 2005 , 2031-7	4.3	13
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