Juan M Clemente-Juan

List of Publications by Year in Descending Order

187 papers	10,817 citations	52 h-index	100 g-index
210 ext. papers	11,343 ext. citations	5.5 avg, IF	6.04 L-index

#	Paper	IF	Citations
187	Insight Into The Spin-Vibronic Problem of a Mixed Valence Magnetic Molecular Cell for Quantum Cellular Automata. *ChemPhysChem*, **2021**, 22, 1754-1768	3.2	0
186	Insertion of single-ion magnets based on mononuclear Co(II) complexes into ferromagnetic oxalate-based networks. *Dalton Transactions*, **2021**, 50, 5931-5942	4.3	1
185	Toward multifunctional molecular cells for quantum cellular automata: exploitation of interconnected charge and spin degrees of freedom. *Physical Chemistry Chemical Physics*, **2021**, 23, 14511-14528	3.6	
184	Mixed-Valence Magnetic Molecular Cell for Quantum Cellular Automata: Prospects of Designing Multifunctional Devices through Exploration of Double Exchange. *Journal of Physical Chemistry C*, **2020**, 124, 25602-25614	3.8	4
183	Spin-coupling topology in the copper hexamer compounds A2Cu3O(SO4)3 (A=Na, K). *Physical Review B*, **2020**, 101,	3.3	4
182	Modelling the properties of magnetic clusters with complex structures: how symmetry can help us. *International Reviews in Physical Chemistry*, **2020**, 39, 217-265	7	5
181	Exploiting clock transitions for the chemical design of resilient molecular spin qubits. *Chemical Science*, **2020**, 11, 10718-10728	9.4	12
180	Exploration of the double exchange in quantum cellular automata: proposal for a new class of cells. *Chemical Communications*, **2020**, 56, 10682-10685	5.8	5
179	Can the Double Exchange Cause Antiferromagnetic Spin Alignment?. *Magnetochemistry*, **2020**, 6, 36	3.1	2
178	Vibronic Model for Intercommunication of Localized Spins via Itinerant Electron. *Journal of Physical Chemistry C*, **2019**, 123, 5746-5760	3.8	3
177	Synthesis and Magnetic Properties of a Copper Cube: [Cu(OH)(CHN)] (ClO) CHO [CHN=()-1,6-[Di(pyridin-4-yl)hex-3-ene]. *ChemistryOpen*, **2019**, 8, 1204-1208	2.3	1
176	Purely Spectroscopic Determination of the Spin Hamiltonian Parameters in High-Spin Six-Coordinated Cobalt(II) Complexes with Large Zero-Field Splitting. *Inorganic Chemistry*, **2019**, 58, 16434-16444	5.1	10
175	Electric Field Control of Spin States in Trigonal Two-Electron Quantum Dot Arrays and Mixed-Valence Molecules: I. Electronic Problem. *Journal of Physical Chemistry C*, **2019**, 123, 2451-2459	3.8	7
174	Electric Field Control of Spin States in Trigonal Two-Electron Quantum Dot Arrays and Mixed-Valence Molecules: II. Vibronic Problem. *Journal of Physical Chemistry C*, **2019**, 123, 2460-2473	3.8	4
173	Deciphering the Role of Dipolar Interactions in Magnetic Layered Double Hydroxides. *Inorganic Chemistry*, **2018**, 57, 2013-2022	5.1	15
172	Large Magnetic Polyoxometalates Containing the Cobalt Cubane P[CoCo (OH)(HO)(PWO)]3-P(= 3 or 5) as a Subunit. *Frontiers in Chemistry*, **2018**, 6, 231	5	9
171	Field-induced slow relaxation of magnetization in a mononuclear Co(II) complex of 2,6-bis(pyrazol-1-yl)pyridine functionalized with a carboxylic acid. *Polyhedron*, **2018**, 150, 54-60	2.7	10

170	Quantum Cellular Automata: a Short Overview of Molecular Problem. *Acta Physica Polonica A*, **2018**, 133, 329-335	0.6	7
169	Electrically switchable magnetic exchange in the vibronic model of linear mixed valence triferrocenium complex. *Dalton Transactions*, **2018**, 47, 11788-11805	4.3	3
168	Photomagnetic properties of an Fe(ii) spin-crossover complex of 6-(3,5-diamino-2,4,6-triazinyl)-2,2Pbipyridine and its insertion into 2D and 3D bimetallic oxalate-based networks. *Dalton Transactions*, **2017**, 46, 2680-2689	4.3	8
167	Jahn-Teller effect in molecular electronics: quantum cellular automata. *Journal of Physics: Conference Series*, **2017**, 833, 012002	0.3	2
166	Electric field controllable magnetic coupling of localized spins mediated by itinerant electrons: a toy model. *Physical Chemistry Chemical Physics*, **2017**, 19, 26098-26106	3.6	8
165	Electric Field Generation and Control of Bipartite Quantum Entanglement between Electronic Spins in Mixed Valence Polyoxovanadate [GeVO]. *Inorganic Chemistry*, **2017**, 56, 9547-9554	5.1	10
164	Spontaneous Magnetization in Heterometallic NiFe-MOF-74 Microporous Magnets by Controlled Iron Doping. *Chemistry of Materials*, **2017**, 29, 6181-6185	9.6	16
163	Light-induced decarboxylation in a photo-responsive iron-containing complex based on polyoxometalate and oxalato ligands. *Chemical Science*, **2017**, 8, 305-315	9.4	21
162	Single ion magnets based on lanthanoid polyoxomolybdate complexes. *Dalton Transactions*, **2016**, 45, 16653-16660	4.3	32
161	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. *Inorganic Chemistry*, **2016**, 55, 9361-7	5.1	25
160	Tunable crossover between one- and three-dimensional magnetic dynamics in CoII single-chain magnets organized by halogen bonding. *Physical Review B*, **2016**, 93,	3.3	12
159	Mixed-Valence Molecular Unit for Quantum Cellular Automata: Beyond the Born-Oppenheimer Paradigm through the Symmetry-Assisted Vibronic Approach. *Journal of Chemical Theory and Computation*, **2016**, 12, 3545-60	6.4	17
158	A decacobalt(ii) cluster with triple-sandwich structure obtained by partial reductive hydrolysis of a pentacobalt(ii/iii) Weakley-type polyoxometalate. *Chemical Communications*, **2016**, 52, 13245-13248	5.8	8
157	Cobalt Clusters with Cubane-Type Topologies Based on Trivacant Polyoxometalate Ligands. *Inorganic Chemistry*, **2016**, 55, 925-38	5.1	30
156	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). *Magnetochemistry*, **2016**, 2, 2	3.1	16
155	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
154	SIMPRE1.2: Considering the hyperfine and quadrupolar couplings and the nuclear spin bath decoherence. *Journal of Computational Chemistry*, **2016**, 37, 1238-44	3.5	10
153	Electrically switchable magnetic molecules: inducing a magnetic coupling by means of an external electric field in a mixed-valence polyoxovanadate cluster. *Chemistry - A European Journal*, **2015**, 21, 763-9	4.8	36

152	Electric Field Control of Spin-Dependent Dissipative Electron Transfer Dynamics in Mixed-Valence Molecules. *Journal of Physical Chemistry C*, **2015**, 119, 7911-7921	3.8	9
151	Mononuclear Lanthanide Complexes: Use of the Crystal Field Theory to Design Single-Ion Magnets and Spin Qubits **2015**, 27-60		4
150	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. *Inorganic Chemistry Frontiers*, **2015**, 2, 893-897	6.8	21
149	Localization-Delocalization in Bridged Mixed-Valence Metal Clusters: Vibronic PKS Model Revisited. *Journal of Physical Chemistry A*, **2015**, 119, 9844-56	2.8	6
148	Mixed-valence molecular four-dot unit for quantum cellular automata: Vibronic self-trapping and cell-cell response. *Journal of Chemical Physics*, **2015**, 143, 134307	3.9	27
147	Quantum Error Correction with magnetic molecules. *Europhysics Letters*, **2015**, 110, 33001	1.6	9
146	Self-trapping of charge polarized states in four-dot molecular quantum cellular automata: bi-electronic tetrameric mixed-valence species. *Pure and Applied Chemistry*, **2015**, 87, 271-282	2.1	22
145	Bimetallic MnIIIFeII 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. *Journal of Materials Chemistry C*, **2015**, 3, 7936-7945	7.1	21
144	A ferromagnetic tetranuclear nickel(II) Schiff-base complex with an asymmetric Ni4O4 cubane core. *Polyhedron*, **2014**, 74, 1-5	2.7	43
143	Molecular anisotropy analysis of single-ion magnets using an effective electrostatic model. *Inorganic Chemistry*, **2014**, 53, 11323-7	5.1	34
142	An updated version of the computational package SIMPRE that uses the standard conventions for Stevens crystal field parameters. *Journal of Computational Chemistry*, **2014**, 35, 1930-4	3.5	28
141	Construction of a general library for the rational design of nanomagnets and spin qubits based on mononuclear f-block complexes. The polyoxometalate case. *Inorganic Chemistry*, **2014**, 53, 9976-80	5.1	67
140	Supramolecular 2D/3D isomerism in a compound containing heterometallic Cu(II)2Co(II) nodes and dicyanamide bridges. *Inorganic Chemistry*, **2014**, 53, 2441-9	5.1	35
139	Symmetry assisted consideration of the dynamic pseudo Jahn-Teller problem in mixed-valence species with square topology: Intervalence optical bands. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2014**, 116, 802-809	0.7	1
138	Electric field control of the optical properties in magnetic mixed-valence molecules. *Chemical Science*, **2014**, 5, 3598-3602	9.4	18
137	Tuning the nuclearity of iron(III) polynuclear clusters by using tetradentate Schiff-base ligands. *New Journal of Chemistry*, **2014**, 38, 2105-2113	3.6	12
136	Modelling electric field control of the spin state in the mixed-valence polyoxometalate [GeV14O40]8-. *Chemical Communications*, **2013**, 49, 9621-3	5.8	23
135	Two pyrazolylborate dysprosium(III) and neodymium(III) single ion magnets modeled by a Radial Effective Charge approach. *Polyhedron*, **2013**, 66, 39-42	2.7	20

134	SIMPRE: a software package to calculate crystal field parameters, energy levels, and magnetic properties on mononuclear lanthanoid complexes based on charge distributions. *Journal of Computational Chemistry*, **2013**, 34, 1961-7	3.5	84
133	Additions and corrections published in 2013. *Chemical Communications*, **2013**, 49, 11812	5.8	1
132	Coherent manipulation of spin qubits based on polyoxometalates: the case of the single ion magnet [GdW30P5O110]14-. *Chemical Communications*, **2013**, 49, 8922-4	5.8	47
131	Modeling the properties of uranium-based single ion magnets. *Chemical Science*, **2013**, 4, 938-946	9.4	71
130	Influence of peripheral substitution on the magnetic behavior of single-ion magnets based on homo- and heteroleptic Tb(III) bis(phthalocyaninate). *Chemistry - A European Journal*, **2013**, 19, 1457-65	4.8	290
129	A rare polymeric azido-bridged copper(II) chain with a pentameric repeating unit: Synthesis, structure and magnetic properties. *Polyhedron*, **2013**, 50, 45-50	2.7	9
128	Single-crystal EPR spectroscopy of a Co(II) single-chain magnet. *Polyhedron*, **2013**, 66, 218-221	2.7	8
127	Electronic and Vibronic Problems of Nanosized Mixed Valence Clusters: Advances and Challenges. *Journal of Physics: Conference Series*, **2013**, 428, 012037	0.3	0
126	MAGNETIC POLYOXOMETALATES. *World Scientific Series in Nanoscience and Nanotechnology*, **2013**, 155-171		2
125	Dissipative electron transfer dynamics in mixed valence dimers: microscopic approach to the solid state problem. *Journal of Chemical Physics*, **2013**, 139, 044304	3.9	4
124	The Use of Polyoxometalates in the Design of Layer-Like Hybrid Salts Containing Cationic Mn4 Single-Molecule Magnets. *European Journal of Inorganic Chemistry*, **2013**, 2013, 1903-1909	2.3	6
123	Breathing effect in a cobalt phosphonate upon dehydration/rehydration: a single-crystal-to-single-crystal study. *Chemistry - A European Journal*, **2013**, 19, 16394-402	4.8	39
122	Antisymmetric exchange in triangular tricopper(II) complexes: correlation among structural, magnetic, and electron paramagnetic resonance parameters. *Inorganic Chemistry*, **2012**, 51, 985-1001	5.1	102
121	Gd-based single-ion magnets with tunable magnetic anisotropy: molecular design of spin qubits. *Physical Review Letters*, **2012**, 108, 247213	7.4	166
120	Modeling the properties of lanthanoid single-ion magnets using an effective point-charge approach. *Dalton Transactions*, **2012**, 41, 13705-10	4.3	119
119	Rational design of single-ion magnets and spin qubits based on mononuclear lanthanoid complexes. *Inorganic Chemistry*, **2012**, 51, 12565-74	5.1	177
118	Magnetic polyoxometalates: from molecular magnetism to molecular spintronics and quantum computing. *Chemical Society Reviews*, **2012**, 41, 7464-78	58.5	551
117	Molecular analog of multiferroics: Electric and magnetic field effects in many-electron mixed-valence dimers. *Physical Review B*, **2012**, 86,	3.3	27

116	Lanthanoid single-ion magnets based on polyoxometalates with a 5-fold symmetry: the series [LnP5W30O110]12- (Ln3+ = Tb, Dy, Ho, Er, Tm, and Yb). *Journal of the American Chemical Society*, **2012**, 134, 14982-90	16.4	206
115	Coherent Manipulation of Polarization in Mixed-Valence Compounds by Electric Pulse via Landau□ener Transitions. *Journal of Physical Chemistry C*, **2012**, 116, 4999-5008	3.8	22
114	A symmetry adapted approach to the dynamic Jahn-Teller problem: Application to mixed-valence polyoxometalate clusters with keggin structure. *International Journal of Quantum Chemistry*, **2012**, 112, 2957-2964	2.1	19
113	Electric field control of the spin state in mixed-valence magnetic molecules. *ChemPhysChem*, **2012**, 13, 2662-5	3.2	26
112	Isolation of four new CoII/CoIII and NiII complexes with a pentadentate Schiff base ligand: syntheses, structural descriptions and magnetic studies. *Dalton Transactions*, **2011**, 40, 1652-61	4.3	48
111	Beyond the spin model: exchange coupling in molecular magnets with unquenched orbital angular momenta. *Chemical Society Reviews*, **2011**, 40, 3130-56	58.5	101
110	Manipulation of the spin in single molecule magnets via Landau-Zener transitions. *Physical Review B* , **2011**, 84,	3.3	7
109	Magnetization relaxation in a three-dimensional ligated cobalt phosphonate containing ferrimagnetic chains. *Chemistry - A European Journal*, **2011**, 17, 3579-83	4.8	44
108	High-nuclearity Ni-substituted polyoxometalates: a series of poly(polyoxotungstate)s containing 20□2 nickel centers. *Chemistry - A European Journal*, **2011**, 17, 13032-43	4.8	43
107	A Symmetry Adapted Approach to the Dynamic Jahn-Teller Problem. *Progress in Theoretical Chemistry and Physics*, **2011**, 39-57	0.6	8
106	Coherent Spin Dependent Landau-Zener Tunneling in Mixed Valence Dimers. *Progress in Theoretical Chemistry and Physics*, **2011**, 329-350	0.6	
105	Spin-lattice relaxation via quantum tunneling in an Er3+-polyoxometalate molecular magnet. *Physical Review B*, **2010**, 82,	3.3	98
104	Effects of halogen bonding in ferromagnetic chains based on Co(II) coordination polymers. *CrystEngComm*, **2010**, 12, 2339	3.3	39
103	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. *Inorganic Chemistry*, **2010**, 49, 6616-27	5.1	112
102	Electronic and magnetic study of polycationic Mn(12) single-molecule magnets with a ground spin state S = 11. *Inorganic Chemistry*, **2010**, 49, 386-96	5.1	15
101	Defective dicubane-like tetranuclear nickel(II) cyanate and azide nanoscale magnets. *Inorganic Chemistry*, **2010**, 49, 11541-9	5.1	42
100	Role of orbital degeneracy in the single molecule magnet behavior of a mononuclear high-spin Fe(II) complex. *Inorganic Chemistry*, **2010**, 49, 8073-7	5.1	43
99	Magnetic exchange between metal ions with unquenched orbital angular momenta: basic concepts and relevance to molecular magnetism. *International Reviews in Physical Chemistry*, **2010**, 29, 135-230	7	57

98	MVPACK: a package to calculate energy levels and magnetic properties of high nuclearity mixed valence clusters. *Journal of Computational Chemistry*, **2010**, 31, 1321-32	3.5	15
97	Structural and magnetic studies of tetranuclear heterometallic M/Cr (M = Co, Mn) complexes self-assembled from zerovalent cobalt or manganese, Reineckes salt and diethanolamine. *Polyhedron*, **2010**, 29, 1326-1336	2.7	19
96	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. *Inorganica Chimica Acta*, **2010**, 363, 3580-3588	2.7	38
95	Parallel implementation of the MAGPACK package for the analysis of high-nuclearity spin clusters. *Computer Physics Communications*, **2010**, 181, 1929-1940	4.2	12
94	Origin of the Paramagnetic Properties of the Mixed-Valence Polyoxometalate [GeV14O40]8□ Reduced by Two Electrons: Wave Function Theory and Model Hamiltonian Calculations. *European Journal of Inorganic Chemistry*, **2009**, 2009, 5109-5114	2.3	20
93	Poly(polyoxotungstate)s with 20 nickel centers: from nanoclusters to one-dimensional chains. *Angewandte Chemie - International Edition*, **2009**, 48, 7176-9	16.4	165
92	Supramolecular diversity and magnetic properties of novel heterometallic Cu(II)/Cr(III) complexes prepared from copper powder, Reineckes salt and ethylenediamine. *Inorganica Chimica Acta*, **2009**, 362, 2237-2246	2.7	15
91	Copper-, cobalt-, and manganese-containing 17-tungsto-2-germanates. *Inorganic Chemistry*, **2009**, 48, 5884-90	5.1	61
90	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). *Inorganic Chemistry*, **2009**, 48, 3467-79	5.1	441
89	Heterotetranuclear oxalato-bridged Re(IV)3M(II) (M = Mn, Fe, Co, Ni, Cu) complexes: a new example of a single-molecule magnet (M = Ni). *Inorganic Chemistry*, **2009**, 48, 3027-38	5.1	56
88	High-nuclearity mixed-valence clusters and mixed-valence chains: general approach to the calculation of the energy levels and bulk magnetic properties. *Inorganic Chemistry*, **2009**, 48, 4557-68	5.1	21
87	Mononuclear lanthanide single-molecule magnets based on polyoxometalates. *Journal of the American Chemical Society*, **2008**, 130, 8874-5	16.4	758
86	Reversible core-interconversion of an iron(III) dihydroxo bridged complex. *Inorganic Chemistry*, **2008**, 47, 11314-23	5.1	13
85	Role of the electron transfer and magnetic exchange interactions in the magnetic properties of mixed-valence polyoxovanadate complexes. *Inorganic Chemistry*, **2008**, 47, 5889-901	5.1	59
84	A family of enneanuclear iron(II) single-molecule magnets. *Chemistry - A European Journal*, **2008**, 14, 2514-26	4.8	102
83	Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7-dichloro-8-quinolinolato)gadolinium(III) Complex. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3820-3826	2.3	18
82	Synthesis, crystal structure and magnetic properties of a new cyanide-bridged iron(III)□nickel(II) ferromagnetic chain. *Inorganica Chimica Acta*, **2008**, 361, 3912-3918	2.7	23
81	A mixed-valence polyoxovanadate(III,IV) cluster with a calixarene cap exhibiting ferromagnetic V(III)-V(IV) interactions. *Journal of the American Chemical Society*, **2008**, 130, 2365-71	16.4	122

80	Mixed-valence polyoxometalates: spin-coupling and electron distribution in the decawolframate anion reduced by two electrons. *Journal of Physical Chemistry A*, **2007**, 111, 9969-77	2.8	18
79	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
78	Anion-directed synthesis of metal-organic frameworks based on 2-picolinate CuII complexes: a ferromagnetic alternating chain and two unprecedented ferromagnetic fish backbone chains. *Inorganic Chemistry*, **2007**, 46, 10771-80	5.1	97
77	Effect of cyanato, azido, carboxylato, and carbonato ligands on the formation of cobalt(II) polyoxometalates: characterization, magnetic, and electrochemical studies of multinuclear cobalt clusters. *Chemistry - A European Journal*, **2007**, 13, 3525-36	4.8	173
76	A Diferrous Single-Molecule Magnet. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2409-2415	2.3	18
75	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. *European Journal of Inorganic*	2.3	38
74	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*, **2006**, 2006, 1830-1837	2.3	36
73	An original 1D CuCo heterometallic compound: synthesis, structure and magnetic properties. *New Journal of Chemistry*, **2006**, 30, 572	3.6	45
72	Hexanuclear iron(III) salicylaldoximato complexes presenting the [Fe6(mu3-O)2(mu2-OR)2]12+ core: syntheses, crystal structures, and spectroscopic and magnetic characterization. *Inorganic Chemistry*, **2006**, 45, 2317-26	5.1	47
71	Parametrization of the magnetic behavior of the triangular spin ladder chains organically templated: (C2N2H10)[M(HPO3)F3] (M(III) = Fe, Cr, and V). Crystal structure and thermal and spectroscopic properties of the iron(III) phase. *Inorganic Chemistry*, **2006**, 45, 3240-8	5.1	13
70	Trans-dicyanobis(acetylacetonato)ruthenate(III) as a precursor to build novel cyanide-bridged RuIIIMII bimetallic compounds [M = Co and Ni]. *Coordination Chemistry Reviews*, **2006**, 250, 2176-2193	23.2	69
69	A novel high-spin heterometallic Ni12K4 cluster incorporating large Ni-azide circles and an in situ cyanomethylated di-2-pyridyl ketone. *Chemical Communications*, **2005**, 233-5	5.8	84
68	Designing binuclear transition metal complexes: a new example of the versatility of N,NPbis(2-aminobenzyl)-4,13-diaza-18-crown-6. *Dalton Transactions*, **2005**, 2031-7	4.3	13
67	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. *Dalton Transactions*, **2005**, 2830-2	4.3	17
66	Isotropic magnetic exchange between anisotropic Yb(III) ions. Study of Cs3Yb2Cl9 and Cs3Yb2Br9 crystals. *Inorganic Chemistry*, **2005**, 44, 3984-92	5.1	10
65	Cobalt-containing silicotungstate sandwich dimer [{Co3(B-beta-SiW9O33(OH))(B-beta-SiW8O29(OH)2)}2]22-. *Inorganic Chemistry*, **2005**, 44, 9360-8	5.1	136
64	Magnetic polyoxometalates: anisotropic exchange interactions in the moiety of [(NaOH2)Co3(H2O)(P2W15O56)2]17-. *Inorganic Chemistry*, **2005**, 44, 3389-95	5.1	71
63	New poly-iron(II) complexes of N4O dinucleating Schiff bases and pseudohalides: syntheses, structures, and magnetic and Mssbauer properties. *Inorganic Chemistry*, **2004**, 43, 1574-86	5.1	102

62	A nonanuclear iron(II) single-molecule magnet. *Angewandte Chemie - International Edition*, **2004**, 43, 2266-70	10.4	196
61	A Nonanuclear Iron(II) Single-Molecule Magnet. *Angewandte Chemie*, **2004**, 116, 2316-2320	3.6	33
60	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
59	A new heptanuclear cobalt(II) cluster encapsulated in a novel heteropolyoxometalate topology: synthesis, structure, and magnetic properties of [Co7H2O)2(OH)2(P2W25O94]16-. *Inorganic Chemistry*, **2004**, 43, 2689-94	5.1	101
58	Single-component magnetic conductors based on Mo3S7 trinuclear clusters with outer dithiolate ligands. *Journal of the American Chemical Society*, **2004**, 126, 12076-83	16.4	83
57	Unprecedented (Cu2Ln)n complexes (Ln = Gd3+, Tb3+): a new "single chain magnet". *Inorganic Chemistry*, **2004**, 43, 8200-2	5.1	128
56	Synthesis, Crystal Structure, Thermal Analysis and Magnetic Behavior of a Novel One-Dimensional Polymeric Pyridinium Chlorocuprate(II): (Hpy)2[Cu3Cl8(H2O)2]. *European Journal of Inorganic Chemistry*, **2003**, 2003, 4253-4259	2.3	14
55	Orbitally dependent kinetic exchange in cobalt(II) pairs: origin of the magnetic anisotropy. *Polyhedron*, **2003**, 22, 2537-2544	2.7	9
54	Problem of the magnetic anisotropy in orbitally degenerate exchange and mixed-valence clusters. *Polyhedron*, **2003**, 22, 2521-2526	2.7	7
53	Ab initio calculations of the transfer parameters and coulombic repulsion and estimation of their effects on the electron delocalization and magnetic coupling in mixed-valence Keggin polyoxotungstates. *Polyhedron*, **2003**, 22, 2331-2337	2.7	8
52	Ferromagnetic interaction in a polynuclear gadolinium complex: structure and magnetic studies. *Dalton Transactions*, **2003**, 1272-1275	4.3	84
51	Magnetic Polyoxometalates **2003**, 273-295		1
50	Microscopic approach to the pseudo-spin-1/2 Hamiltonian for Kramers doublets in exchange coupled Co(II) pairs. *Inorganic Chemistry*, **2003**, 42, 2455-8	5.1	75
49	Orbitally dependent magnetic coupling between cobalt(II) ions: The problem of the magnetic anisotropy. *Journal of Chemical Physics*, **2003**, 118, 5566-5581	3.9	53
48	Crystal structures and magnetic properties of 2,3,5,6-tetrakis(2-pyridyl)pyrazine (tppz)-containing copper(II) complexes. *Inorganic Chemistry*, **2003**, 42, 8716-27	5.1	74
47	Coordination of gadolinium(III) ions with a preformed Ebxo diiron(III) complex: structural and magnetic data. *Dalton Transactions*, **2003**, 464-468	4.3	31
46	Magnetism in polyoxometalates: anisotropic exchange interactions in the Co3II moiety of [Co3W(D2O)2(ZnW9O34)2](12-)--A magnetic and inelastic neutron scattering study. *Chemistry - A European Journal*, **2002**, 8, 5701-8	4.8	39
45	Unprecedented ferromagnetic interaction in homobinuclear erbium and gadolinium complexes: structural and magnetic studies. *Angewandte Chemie - International Edition*, **2002**, 41, 323-5	16.4	175

44	Polyoxometalates: From Magnetic Models to Multifunctional Materials. *Nanostructure Science and Technology*, **2002**, 157-168	0.9	1
43	Electron delocalization in mixed-valence Keggin polyoxometalates. Ab initio calculation of the local effective transfer integrals and its consequences on the spin coupling. *Journal of the American Chemical Society*, **2002**, 124, 15134-40	16.4	69
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