Eugenio Coronado

List of Publications by Year
in descending order

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658 papers	38,385 citations	2795 94 h-index	5101 166 g-index
708 all docs	708 docs citations	708 times ranked	22370 citing authors

#	Article	IF	Citations
1	Coexistence of ferromagnetism and metallic conductivity in a molecule-based layered compound. Nature, 2000, 408, 447-449.	13.7	1,275
2	Polyoxometalate-Based Molecular Materials. Chemical Reviews, 1998, 98, 273-296.	23.0	982
3	Mononuclear Lanthanide Single-Molecule Magnets Based on Polyoxometalates. Journal of the American Chemical Society, 2008, 130, 8874-8875.	6.6	814
4	Magnetic Molecular Conductors. Chemical Reviews, 2004, 104, 5419-5448.	23.0	813
5	MAGPACK1A package to calculate the energy levels, bulk magnetic properties, and inelastic neutron scattering spectra of high nuclearity spin clusters. Journal of Computational Chemistry, 2001, 22, 985-991.	1.5	767
6	Magnetic polyoxometalates: from molecular magnetism to molecular spintronics and quantum computing. Chemical Society Reviews, 2012, 41, 7464.	18.7	655
7	Magnetic functionalities in MOFs: from the framework to the pore. Chemical Society Reviews, 2018, 47, 533-557.	18.7	615
8	Molecular magnetism: from chemical design to spin control in molecules, materials and devices. Nature Reviews Materials, 2020, 5, 87-104.	23.3	604
9	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. Inorganic Chemistry, 1999, 38, 6081-6088.	1.9	582
10	Dynamic magnetic MOFs. Chemical Society Reviews, 2013, 42, 1525-1539.	18.7	577
11	Molecular spins for quantum computation. Nature Chemistry, 2019, 11, 301-309.	6.6	508
12	Mononuclear Lanthanide Single Molecule Magnets Based on the Polyoxometalates [Ln(W₅O₁₈)₂]^{9â^'} and [Ln(Î²₂-SiW₁₁O₃₉)₂]^{13â^'}(Ln^{III} =) Tj ETQq0 0 0 rgBT /Ov	1.9	475
13	Enhancing coherence in molecular spin qubits via atomic clock transitions. Nature, 2016, 531, 348-351.	13.7	442
14	Spin qubits with electrically gated polyoxometalate molecules. Nature Nanotechnology, 2007, 2, 312-317.	15.6	390
15	Bistable Spin-Crossover Nanoparticles Showing Magnetic Thermal Hysteresis near Room Temperature. Advanced Materials, 2007, 19, 1359-1361.	11.1	338
16	Magnetic clusters from polyoxometalate complexes. Coordination Chemistry Reviews, 1999, 193-195, 361-394.	9.5	333
17	Roomâ€Temperature Electrical Addressing of a Bistable Spinâ€Crossover Molecular System. Advanced Materials, 2011, 23, 1545-1549.	11.1	328
18	Reversible Colorimetric Probes for Mercury Sensing. Journal of the American Chemical Society, 2005, 127, 12351-12356.	6.6	318

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19	Influence of Peripheral Substitution on the Magnetic Behavior of Singleâ€Ion Magnets Based on Homoâ€• and Heteroleptic Tb^{III} Bis(phthalocyaninate). Chemistry - A European Journal, 2013, 19, 1457-1465.	1.7	311
20	Multifunctionality in hybrid magnetic materials based on bimetallic oxalate complexes. Chemical Society Reviews, 2011, 40, 473.	18.7	296
21	Enhanced superconductivity in atomically thin TaS2. Nature Communications, 2016, 7, 11043.	5.8	285
22	Recent advances in polyoxometalate-containing molecular conductors. Coordination Chemistry Reviews, 2005, 249, 1776-1796.	9.5	266
23	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-. Inorganic Chemistry, 1999, 38, 55-63.	1.9	253
24	Intramolecular Proton Transfer Boosts Water Oxidation Catalyzed by a Ru Complex. Journal of the American Chemical Society, 2015, 137, 10786-10795.	6.6	246
25	Lanthanoid Single-Ion Magnets Based on Polyoxometalates with a 5-fold Symmetry: The Series [LnP₅W₃₀O₁₁₀]^{12â€“} (Ln³⁺ = Tb, Dy, Ho, Er,) Tj ETQq1 1 0.78431	6.6	237
26	Molecule-Based Magnets Formed by Bimetallic Three-Dimensional Oxalate Networks and Chiral Tris(bipyridyl) Complex Cations. The Series [ZII(bpy)3][ClO4][MIICrIII(ox)3] (ZII= Ru, Fe, Co, and Ni; MII=) Tj ETQq0 1 0 rgBT /Overlock 1	1.9	226
27	A Novel Chainlike Heteropolyanion Formed by Keggin Units: Synthesis and Structure of(ET)8n[PMnW11O39]nÂ· 2nH2O. Angewandte Chemie International Edition in English, 1995, 34, 1460-1462.	4.4	223
28	Hybrid Molecular Magnets Obtained by Insertion of Decamethylmetallocenium Cations into Layered, Bimetallic Oxalate Complexes: [ZIIICp*2][MIIMIII(ox)3] (ZIII=Co, Fe; MIII=Cr, Fe; MII=Mn, Fe, Co, Cu, Zn;) Tj ETQq0 1 0 rgBT /Overlock 10	1.9	216
29	Gd-Based Single-Ion Magnets with Tunable Magnetic Anisotropy: Molecular Design of Spin Qubits. Physical Review Letters, 2012, 108, 247213.	2.9	199
30	Toward New Organic/Inorganic Superlattices:â€‰ Keggin Polyoxometalates in Langmuir and Langmuirâ€“Blodgett Films. Langmuir, 1997, 13, 2340-2347.	1.6	195
31	Rational Design of Single-Ion Magnets and Spin Qubits Based on Mononuclear Lanthanoid Complexes. Inorganic Chemistry, 2012, 51, 12565-12574.	1.9	195
32	Spin states, vibrations and spin relaxation in molecular nanomagnets and spin qubits: a critical perspective. Chemical Science, 2018, 9, 3265-3275.	3.7	193
33	Stable Single-Layer Light-Emitting Electrochemical Cell Using 4,7-Diphenyl-1,10-phenanthroline-bis(2-phenylpyridine)iridium(III) Hexafluorophosphate. Journal of the American Chemical Society, 2006, 128, 14786-14787.	6.6	191
34	Pressure-Tuning of Magnetism and Linkage Isomerism in Iron(II) Hexacyanochromate. Journal of the American Chemical Society, 2005, 127, 4580-4581.	6.6	185
35	Longâ€Living Lightâ€Emitting Electrochemical Cells â€“ Control through Supramolecular Interactions. Advanced Materials, 2008, 20, 3910-3913.	11.1	185
36	Application of the Langmuirâ€“Blodgett Technique to Polyoxometalates: Towards New Magnetic Films. Angewandte Chemie International Edition in English, 1997, 36, 1114-1116.	4.4	184

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37	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, 3525-3536.	1.7	182
38	A Molecular Metal Ferromagnet from the Organic Donor Bis(ethylenedithio)tetraselenafulvalene and Bimetallic Oxalate Complexes. Journal of the American Chemical Society, 2003, 125, 10774-10775.	6.6	179
39	Efficient Polymer Lightâ€Emitting Diode Using Airâ€Stable Metal Oxides as Electrodes. Advanced Materials, 2009, 21, 79-82.	11.1	172
40	Quantum computing with molecular spin systems. Journal of Materials Chemistry, 2009, 19, 1672-1677.	6.7	172
41	Near-Quantitative Internal Quantum Efficiency in a Light-Emitting Electrochemical Cell. Inorganic Chemistry, 2008, 47, 9149-9151.	1.9	169
42	Classical treatment of a heisenberg linear chain with spin alternation; application to the MnNi(EDTA)-6H2O complex. Chemical Physics, 1983, 79, 449-453.	0.9	166
43	Origin of the large spectral shift in electroluminescence in a blue light emitting cationic iridium(iii) complex. Journal of Materials Chemistry, 2007, 17, 5032.	6.7	166
44	Tuning Size and Thermal Hysteresis in Bistable Spin Crossover Nanoparticles. Inorganic Chemistry, 2010, 49, 5706-5714.	1.9	166
45	Single-Crystal X-ray Structure and Magnetic Properties of the Polyoxotungstate Complexes Na16[M4(H2O)2(P2W15O56)2].cntdot.nH2O (M = MnII, n = 53; M = NiII, n = 52): An Antiferromagnetic MnII Tetramer and a Ferromagnetic NiII Tetramer. Inorganic Chemistry, 1994, 33, 4016-4022.	1.9	163
46	Optical Mercury Sensing Using a Benzothiazolium Hemicyanine Dye. Organic Letters, 2006, 8, 3857-3860.	2.4	163
47	Bottomâ€Up Fabrication of Semiconductive Metalâ€“Organic Framework Ultrathin Films. Advanced Materials, 2018, 30, 1704291.	11.1	162
48	Inverted Solution Processable OLEDs Using a Metal Oxide as an Electron Injection Contact.. Advanced Functional Materials, 2008, 18, 145-150.	7.8	158
49	Molecular vs. inorganic spintronics: the role of molecular materials and single molecules. Journal of Materials Chemistry, 2009, 19, 1678.	6.7	156
50	Hybrid Molecular Materials Based upon Magnetic Polyoxometalates and Organic Ï€-Electron Donors:Â Syntheses, Structures, and Properties of Bis(ethylenedithio)tetrathiafulvalene Radical Salts with Monosubstituted Keggin Polyoxoanions. Journal of the American Chemical Society, 1998, 120, 4671-4681.	6.6	148
51	Air stable hybrid organic-inorganic light emitting diodes using ZnO as the cathode. Applied Physics Letters, 2007, 91, 223501.	1.5	148
52	Coexistence of Magnetic and Delocalized Electrons in Hybrid Molecular Materials. The Series of Organic-Inorganic Radical Salts (BEDT-TTF)8[XW12O40](solv)n (X = 2(H+), BIII, SiIV, CuII, CoII, and FeIII;) Tj ETQq0 0 0 rgBT /Overlock 10	11.1	144
53	Intercalation of decamethylferrocenium cations in bimetallic oxalate-bridged two-dimensional magnets. Chemical Communications, 1997, , 1727-1728.	2.2	141
54	Coexistence of superconductivity and magnetism by chemical design. Nature Chemistry, 2010, 2, 1031-1036.	6.6	141

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55	Hybrid Materials Based on Magnetic Layered Double Hydroxides: A Molecular Perspective. Accounts of Chemical Research, 2015, 48, 1601-1611.	7.6	135
56	Influence of the pH on the synthesis of reduced graphene oxide under hydrothermal conditions. Nanoscale, 2012, 4, 3977.	2.8	133
57	Hybrid molecular conductors. Journal of Materials Chemistry, 2005, 15, 66-74.	6.7	130
58	A tetranuclear rhomblike cluster of manganese(II). Crystal structure and magnetic properties of the heteropoly complex K10[Mn4(H2O)2(PW9O34)2].cntdot.20H2O. Inorganic Chemistry, 1993, 32, 3378-3381.	1.9	129
59	Alternating Chains with Ferromagnetic and Antiferromagnetic Interactions. Theory and Magnetic Properties. Inorganic Chemistry, 1994, 33, 5171-5175.	1.9	129
60	A Highly Sensitive Hybrid Colorimetric and Fluorometric Molecular Probe for Cyanide Sensing Based on a Subphthalocyanine Dye. Advanced Functional Materials, 2006, 16, 1166-1170.	7.8	129
61	Hexagonal nanosheets from the exfoliation of Ni2+-Fe3+ LDHs: a route towards layered multifunctional materials. Journal of Materials Chemistry, 2010, 20, 7451.	6.7	129
62	Spin-Crossover Modification through Selective CO₂ Sorption. Journal of the American Chemical Society, 2013, 135, 15986-15989.	6.6	129
63	Ferromagnetism and Chirality in Two-Dimensional Cyanide-Bridged Bimetallic Compounds. Inorganic Chemistry, 2002, 41, 4615-4617.	1.9	127
64	Single Chain Magnets Based on the Oxalate Ligand. Journal of the American Chemical Society, 2008, 130, 14987-14989.	6.6	127
65	Modeling the properties of lanthanoid single-ion magnets using an effective point-charge approach. Dalton Transactions, 2012, 41, 13705.	1.6	127
66	Determining Key Local Vibrations in the Relaxation of Molecular Spin Qubits and Single-Molecule Magnets. Journal of Physical Chemistry Letters, 2017, 8, 1695-1700.	2.1	126
67	Magnetic characterization of tetranuclear copper(II) and cobalt(II) exchange-coupled clusters encapsulated in heteropolyoxotungstate complexes. Study of the nature of the ground states. Inorganic Chemistry, 1992, 31, 1667-1673.	1.9	123
68	Graphene related magnetic materials: micromechanical exfoliation of 2D layered magnets based on bimetallic anilate complexes with inserted [Fe^{III}(acac₂-trien)]⁺ and [Fe^{III}(sal₂-trien)]⁺ molecules. Chemical Science, 2015, 6, 4665-4673.	3.7	123
69	Langmuir-Blodgett Films of Single-Molecule Nanomagnets. Angewandte Chemie - International Edition, 1998, 37, 2842-2845.	7.2	122
70	Pressure-Induced Magnetic Switching and Linkage Isomerism in K0.4Fe4[Cr(CN)6]2.8Â·16H2O: X-ray Absorption and Magnetic Circular Dichroism Studies. Journal of the American Chemical Society, 2008, 130, 15519-15532.	6.6	121
71	Chiral Molecular Magnets: Synthesis, Structure, and Magnetic Behavior of the Series [M(L-tart)] (M =) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	118
72	Catenanes and threaded systems: from solution to surfaces. Chemical Society Reviews, 2009, 38, 1674.	18.7	117

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73	Correction of the tip convolution effects in the imaging of nanostructures studied through scanning force microscopy. Nanotechnology, 2014, 25, 395703.	1.3	117
74	Alkoxide-intercalated CoFe-layered double hydroxides as precursors of colloidal nanosheet suspensions: structural, magnetic and electrochemical properties. Journal of Materials Chemistry C, 2014, 2, 3723-3731.	2.7	116
75	Coexistence of Mobile and Localized Electrons in Bis(ethylene)dithiotetrathiafulvalene(BEDT-TTF) Radical Salts with Paramagnetic Polyoxometalates: Synthesis and Physical Properties of(BEDT-TTF)8[CoW12O40]Â· 5.5 H2O. Angewandte Chemie International Edition in English, 1994, 33, 223-226.	4.4	115
76	Observation of Electroluminescence at Room Temperature from a Ruthenium(II) Bis-Terpyridine Complex and Its Use for Preparing Light-Emitting Electrochemical Cells. Inorganic Chemistry, 2005, 44, 5966-5968.	1.9	114
77	Efficient and Stable Solid-State Light-Emitting Electrochemical Cell Using Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) Hexafluorophosphate. Journal of the American Chemical Society, 2006, 128, 46-47.	6.6	113
78	First ferromagnetic interaction in a heteropoly complex: [CoII4O14(H2O)2(PW9O27)2]10-. Experiment and theory for intramolecular anisotropic exchange involving the four Co(II) atoms. Journal of the American Chemical Society, 1992, 114, 10380-10383.	6.6	111
79	Synthesis, Chirality, and Magnetic Properties of Bimetallic Cyanide-Bridged Two-Dimensional Ferromagnets. Chemistry of Materials, 2006, 18, 2670-2681.	3.2	111
80	Oxalate-based 2D magnets: the series [NBu4][MIIMnIII(ox)3] (MII= Fe, Co, Ni, Zn; ox = oxalate dianion). Journal of Materials Chemistry, 2006, 16, 2685-2689.	6.7	110
81	Molecule-Based Magnetic Materials. Angewandte Chemie - International Edition, 2003, 42, 2570-2572.	7.2	108
82	Beyond the spin model: exchange coupling in molecular magnets with unquenched orbital angular momenta. Chemical Society Reviews, 2011, 40, 3130.	18.7	107
83	A SIMâ€MOF: Threeâ€Dimensional Organisation of Singleâ€Ion Magnets with Anionâ€Exchange Capabilities. Chemistry - A European Journal, 2014, 20, 10695-10702.	1.7	107
84	A New Heptanuclear Cobalt(II) Cluster Encapsulated in a Novel Heteropolyoxometalate Topology:Â Synthesis, Structure, and Magnetic Properties of [Co7(H2O)2(OH)2P2W25O94]16-. Inorganic Chemistry, 2004, 43, 2689-2694.	1.9	106
85	Polycxometalates: From Magnetic Clusters to Molecular Materials. Comments on Inorganic Chemistry, 1995, 17, 255-281.	3.0	105
86	Spin-lattice relaxation via quantum tunneling in anEr3+-polyoxometalate molecular magnet. Physical Review B, 2010, 82, .	1.1	103
87	Spin Switching in Electronic Devices Based on 2D Assemblies of Spinâ€Crossover Nanoparticles. Advanced Materials, 2015, 27, 1288-1293.	11.1	102
88	Structural and magnetic study of tetraaqua(EDTA)dinickel dihydrate [Ni2(EDTA)(H2O)4.cntdot.2H2O]. Alternating Lande factors in a two-sublattice 1D system. Journal of the American Chemical Society, 1986, 108, 900-905.	6.6	101
89	A Family of Layered Chiral Porous Magnets Exhibiting Tunable Ordering Temperatures. Inorganic Chemistry, 2013, 52, 10031-10040.	1.9	101
90	Tuning the magneto-structural properties of non-porous coordination polymers by HCl chemisorption. Nature Communications, 2012, 3, 828.	5.8	99

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91	Increasing the Coercivity in Layered Molecular-based Magnets A[MIIMIII(ox)3] (MII = Mn, Fe, Co, Ni, Cu;) Tj ETQq1 1 0.784314 rgBT /Ove	11.1	98
92	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering:Â 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. Journal of the American Chemical Society, 1999, 121, 10028-10034.	6.6	98
93	Metallic Conductivity in a Polyoxovanadate Radical Salt of Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF): Synthesis, Structure, and Physical Characterization of[2â€3-(BEDT-TTF)5[H3V10O28]Â·4H2O. Advanced Materials, 2004, 16, 324-327.	11.1	96
94	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^'</mml:mtext></mml:mrow></mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^'</mml:mtext></mml:mrow></mml:math Physical Review B, 2016, 93, .	11.1	96
95	[(Co(H2O)4)2(H2W12O42)]n6n-: A Novel Chainlike Heteropolyanion Formed by Paradodecatungstate and Cobalt(II) Ions. Inorganic Chemistry, 1995, 34, 524-526.	1.9	94
96	Isoreticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. Nature Chemistry, 2018, 10, 1001-1007.	6.6	94
97			

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109	Coherent manipulation of three-qubit states in a molecular single-ion magnet. Physical Review B, 2017, 95, .	1.1	88
110	Prussian Blue@MoS₂ Layer Composites as Highly Efficient Cathodes for Sodiumâ€•and Potassiumâ€•Ion Batteries. Advanced Functional Materials, 2018, 28, 1706125.	7.8	88
111	Extremely weak magnetic exchange interactions in terpy-containing copper(II) dimer. Crystal and molecular structure of Cu(terpy)(CA).H2O and [Cu2(terpy)2(CA)](PF6)2 complexes (terpy =) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	87
112	Nanoscale Deposition of Single-Molecule Magnets onto SiO2 Patterns. Advanced Materials, 2007, 19, 291-295.	11.1	87
113	Magnetic In-Tube Solid Phase Microextraction. Analytical Chemistry, 2012, 84, 7233-7240.	3.2	87
114	A hybrid magnet with coexistence of ferromagnetism and photoinduced Fe(iii) spin-crossover. Chemical Science, 2011, 2, 1121.	3.7	86
115	Hybrid Langmuir-Blodgett Films Formed by Alternating Layers of Magnetic Polyoxometalate Clusters and Organic Donor Moleculesâ€”Towards the Preparation of Multifunctional Molecular Materials. Advanced Materials, 2001, 13, 574-577.	11.1	85
116	A Chiral Ferromagnetic Molecular Metal. Journal of the American Chemical Society, 2010, 132, 9271-9273.	6.6	85
117	Anisotropic exchange in the cobalt-cobalt and cobalt-copper dinuclear EDTA hydrate (Co2(EDTA).cntdot.6H2O, CoCu(EDTA).cntdot.6H2O) bimetallic ordered chains. Low temperature investigation of the thermal and magnetic properties. Journal of the American Chemical Society, 1988, 110, 3907-3913.	6.6	84
118	Mixed-valence polyoxometalate clusters. I. Delocalization of electronic pairs in dodecanuclear heteropoly blues with keggin structure. Chemical Physics, 1995, 195, 1-15.	0.9	82
119	Highly phosphorescent perfect green emitting iridium(iii) complex for application in OLEDs. Chemical Communications, 2007, , 3276.	2.2	82
120	Spontaneous Magnetization in Niâ€”Al and Niâ€”Fe Layered Double Hydroxides. Inorganic Chemistry, 2008, 47, 9103-9110.	1.9	82
121	Near Roomâ€•Temperature Memory Devices Based on Hybrid Spinâ€•Crossover@SiO₂ Nanoparticles Coupled to Singleâ€•Layer Graphene Nanoelectrodes. Advanced Materials, 2016, 28, 7228-7233.	11.1	82
122	Magnetic Polyoxometalates:â€‰ Anisotropic Exchange Interactions in the Moiety of [(NaOH2)Co3(H2O)(P2W15O56)2]17-. Inorganic Chemistry, 2005, 44, 3389-3395.	1.9	79
123	Multifunctional Magnetic Materials Obtained by Insertion of a Spinâ€•Crossover Fe^{III} Complex into Bimetallic Oxalateâ€•Based Ferromagnets. Chemistry - A European Journal, 2010, 16, 2207-2219.	1.7	79
124	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering:Â 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 American Chemical Society, 1999, 121, 10021-10027.	6.6	78
125	Polyoxometalate Monolayers in Langmuir-Blodgett Films. Chemistry - A European Journal, 2005, 11, 3979-3987.	1.7	78
126	Magnetoâ€•Optical Investigations of Nanostructured Materials Based on Singleâ€•Molecule Magnets Monitor Strong Environmental Effects. Advanced Materials, 2007, 19, 3906-3911.	11.1	78

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127	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, 15134-15140.	6.6	76
128	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, 9976-9980.	1.9	76
129	Studies on the reactivity of S,N-derivatives of nickel with N-donor bases. Crystal structure and magnetic properties of the cubane cluster tetrakis(.mu.-hydroxo)tetrakis(.mu.-1,3-thiazolidine-2-thionato)tetrakis(pyridine)tetranickel(II)-dipyridine. Inorganic Chemistry, 1992, 31, 2053-2056.	1.9	75
130	Microscopic Approach to the Pseudo-Spin-1/2Hamiltonian for Kramers Doublets in Exchange Coupled Co(II) Pairs. Inorganic Chemistry, 2003, 42, 2455-2458.	1.9	75
131	Metallic Conductivity Down to 2 K in a Polyoxometalate-Containing Radical Salt of BEDO-TTF. Angewandte Chemie - International Edition, 2004, 43, 3022-3025.	7.2	75
132	Langmuirâ€“Blodgett films based on inorganic molecular complexes with magnetic or optical properties. Advances in Colloid and Interface Science, 2005, 116, 193-203.	7.0	75
133	Fragmenting Gadolinium: Mononuclear Polyoxometalateâ€Based Magnetic Coolers for Ultraâ€Low Temperatures. Advanced Materials, 2012, 24, 4301-4305.	11.1	74
134	Modeling the properties of uranium-based single ion magnets. Chemical Science, 2013, 4, 938-946.	3.7	74
135	Unravelling the chemical design of spin-crossover nanoparticles based on iron(<scp>ii</scp>)â€“triazole coordination polymers: towards a control of the spin transition. Journal of Materials Chemistry C, 2015, 3, 7946-7953.	2.7	74
136	Incommensurate Nature of the Multilayered Molecular Ferromagnetic Metals Based on Bis(ethylenedithio)tetrathiafulvalene and Bimetallic Oxalate Complexes. Inorganic Chemistry, 2004, 43, 4808-4810.	1.9	73
137	Polycationic Mn12Single-Molecule Magnets as Electron Reservoirs withS>10 Ground States. Angewandte Chemie - International Edition, 2004, 43, 6152-6156.	7.2	72
138	Isolated Mn12Single-Molecule Magnets Grafted on Gold Surfaces via Electrostatic Interactions. Inorganic Chemistry, 2005, 44, 7693-7695.	1.9	72
139	Lowâ€dimensional magnetic systems; from 1D to 3D ferrimagnets. Journal of Applied Physics, 1988, 63, 3551-3553.	1.1	71
140	Magnetic molecular metals based on the organic donor molecule BET (BET =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Bis(ethylene 984-987.	11.1	71
141	Hybrid Organic/Inorganic Langmuir-Blodgett Films. A Supramolecular Approach to Ultrathin Magnetic Films. Advanced Materials, 1999, 11, 869-872.	11.1	71
142	Influence of the Interlayer Space on the Water Oxidation Performance in a Family of Surfactant-Intercalated NiFe-Layered Double Hydroxides. Chemistry of Materials, 2019, 31, 6798-6807.	3.2	71
143	High nuclearity magnetic clusters: Magnetic properties of a nine cobalt cluster encapsulated in a polyoxometalate, [Co9(OH)3(H2O)6(HPO4)2(PW9O34)3]16âŠ•. Advanced Materials, 1994, 6, 221-223.	11.1	70
144	Increasing the Ordering Temperatures in Oxalate-Based 3D Chiral Magnets:Â the Series [Ir(ppy)2(bpy)][MIIMIII(ox)3]Â·0.5H2O (MIIMIII= MnCr, FeCr, CoCr, NiCr, ZnCr, MnFe, FeFe); bpy =	1.9	69

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145	Magnetic and electronic phase transitions probed by nanomechanical resonators. Nature Communications, 2020, 11, 2698.	5.8	69
146	Layered Molecule-Based Magnets Formed by Decamethylmetallocenium Cations and Two-Dimensional Bimetallic Complexes [MIIRuIII(ox)3]â^'(MII=;Mn, Fe, Co, Cu and Zn; ox=oxalate). Journal of Solid State Chemistry, 2001, 159, 391-402.	1.4	68
147	Green Light-Emitting Solid-State Electrochemical Cell Obtained from a Homoleptic Iridium(III) Complex Containing Ionically Charged Ligands. Chemistry of Materials, 2006, 18, 2778-2780.	3.2	68
148	Structural, Thermal, and Magnetic Study of Solvation Processes in Spin-Crossover [Fe(bpp)2][Cr(L)(ox)2]2Â·nH2O Complexes. Inorganic Chemistry, 2007, 46, 11266-11276.	1.9	68
149	Hybrid organic-inorganic light emitting diodes: effect of the metal oxide. Journal of Materials Chemistry, 2010, 20, 4047.	6.7	67
150	Apoferritin-encapsulated Ni and Co superparamagnetic nanoparticles. Journal of Materials Chemistry, 2006, 16, 2757-2761.	6.7	66
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