

Emilio Pardo

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149
papers

7,100
citations

44
h-index

79
g-index

161
ext. papers

7,961
ext. citations

7.9
avg, IF

5.82
L-index

#	Paper	IF	Citations
149	Magnetic properties of six-coordinated high-spin cobalt(II) complexes: Theoretical background and its application. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3432-3445	2.7	481
148	Field-induced slow magnetic relaxation in a six-coordinate mononuclear cobalt(II) complex with a positive anisotropy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15704-7	16.4	315
147	Metal-organic framework technologies for water remediation: towards a sustainable ecosystem. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4912-4947	13	279
146	High proton conduction in a chiral ferromagnetic metal-organic quartz-like framework. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15328-31	16.4	270
145	Ligand design for multidimensional magnetic materials: a metallosupramolecular perspective. <i>Dalton Transactions</i> , 2008 , 2780-805	4.3	233
144	Molecular magnetism, quo vadis? A historical perspective from a coordination chemist viewpoint?. <i>Coordination Chemistry Reviews</i> , 2017 , 339, 17-103	23.2	218
143	The MOF-driven synthesis of supported palladium clusters with catalytic activity for carbene-mediated chemistry. <i>Nature Materials</i> , 2017 , 16, 760-766	27	180
142	Supramolecular coordination chemistry of aromatic polyoxalamide ligands: A metallosupramolecular approach toward functional magnetic materials. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2281-2296	23.2	168
141	Multiferroics by rational design: implementing ferroelectricity in molecule-based magnets. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8356-60	16.4	147
140	Field-induced hysteresis and quantum tunneling of the magnetization in a mononuclear manganese(III) complex. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14075-9	16.4	138
139	Selective Gold Recovery and Catalysis in a Highly Flexible Methionine-Decorated Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7864-7	16.4	136
138	Selective and Efficient Removal of Mercury from Aqueous Media with the Highly Flexible Arms of a BioMOF. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11167-72	16.4	134
137	Cobalt(II)/Copper(II) Bimetallic Chains as a New Class of Single-Chain Magnets. <i>Advanced Materials</i> , 2004 , 16, 1597-1600	24	131
136	Highly selective chemical sensing in a luminescent nanoporous magnet. <i>Advanced Materials</i> , 2012 , 24, 5625-9	24	121
135	The role of order-disorder transitions in the quest for molecular multiferroics: structural and magnetic neutron studies of a mixed valence iron(II)-iron(III) formate framework. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19772-81	16.4	118
134	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
133	Selective gas and vapor sorption and magnetic sensing by an isorecticular mixed-metal-organic framework. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15301-4	16.4	102

132	[Fe(II)LSCo(III)LS] ₂ \rightleftharpoons [Fe(III)LSCo(II)HS] ₂ photoinduced conversion in a cyanide-bridged heterobimetallic molecular square. <i>Chemical Communications</i> , 2010 , 46, 8995-7	5.8	100
131	Ligand design for heterobimetallic single-chain magnets: synthesis, crystal structures, and magnetic properties of MIIICuII (M=Mn, Co) chains with sterically hindered methyl-substituted phenyloxamate bridging ligands. <i>Chemistry - A European Journal</i> , 2007 , 13, 2054-66	4.8	100
130	Long-range magnetic coupling through extended pi-conjugated aromatic bridges in dinuclear copper(II) metallacyclophanes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10770-1	16.4	99
129	Single chain magnet behaviour in an enantiopure chiral cobalt(II)-copper(II) one-dimensional compound. <i>Chemical Communications</i> , 2010 , 46, 2322-4	5.8	98
128	Oxamate-based coordination polymers: recent advances in multifunctional magnetic materials. <i>Chemical Communications</i> , 2014 , 50, 7569-85	5.8	94
127	Guest-dependent single-ion magnet behaviour in a cobalt(ii) metal-organic framework. <i>Chemical Science</i> , 2016 , 7, 2286-2293	9.4	93
126	Synthesis of Densely Packaged, Ultrasmall Pt Clusters within a Thioether-Functionalized MOF: Catalytic Activity in Industrial Reactions at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6186-6191	16.4	89
125	Postsynthetic Improvement of the Physical Properties in a Metal-Organic Framework through a Single Crystal to Single Crystal Transmetalation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6521-5	16.4	84
124	The oxamate route, a versatile post-functionalization for metal incorporation in MIL-101(Cr): Catalytic applications of Cu, Pd, and Au. <i>Journal of Catalysis</i> , 2013 , 307, 295-304	7.3	83
123	Insights into the Dynamics of Grotthuss Mechanism in a Proton-Conducting Chiral bioMOF. <i>Chemistry of Materials</i> , 2016 , 28, 4608-4615	9.6	82
122	Reversible solvatomagnetic switching in a spongelike manganese(II)-copper(II) 3D open framework with a pillared square/octagonal layer architecture. <i>Chemistry - A European Journal</i> , 2012 , 18, 1608-17	4.8	81
121	Rational enantioselective design of chiral heterobimetallic single-chain magnets: synthesis, crystal structures and magnetic properties of oxamate-bridged M(II)Cu(II) chains (M=Mn, Co). <i>Chemistry - A European Journal</i> , 2011 , 17, 12482-94	4.8	77
120	Multivariate Metal-Organic Frameworks for the Simultaneous Capture of Organic and Inorganic Contaminants from Water. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13601-13609	16.4	66
119	Postsynthetic Approach for the Rational Design of Chiral Ferroelectric Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8098-8101	16.4	61
118	Synthesis, crystal structures, and magnetic properties of a new family of heterometallic cyanide-bridged Fe(III) ₂ M(II) ₂ (M=Mn, Ni, and Co) square complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 6250-6252	5.1	60
117	Structure and magnetism of dinuclear copper(II) metallacyclophanes with oligoacenebis(oxamate) bridging ligands: theoretical predictions on wirelike magnetic coupling. <i>Journal of the American Chemical Society</i> , 2008 , 130, 576-85	16.4	60
116	Dicopper(II) metallacyclophanes as multifunctional magnetic devices: a joint experimental and computational study. <i>Accounts of Chemical Research</i> , 2015 , 48, 510-20	24.3	57
115	Metallosupramolecular approach toward multifunctional magnetic devices for molecular spintronics. <i>Coordination Chemistry Reviews</i> , 2015 , 303, 110-138	23.2	56

114	Synthesis, crystal structures and magnetic properties of M(II)Cu(II) chains (M = Mn and Co) with sterically hindered alkyl-substituted phenyloxamate bridging ligands. <i>Chemistry - A European Journal</i> , 2011 , 17, 2176-88	4.8	55
113	Solid-State Molecular Nanomagnet Inclusion into a Magnetic Metal-Organic Framework: Interplay of the Magnetic Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 539-45	4.8	55
112	Reversible solvatomagnetic switching in a single-ion magnet from an entatic state. <i>Chemical Science</i> , 2017 , 8, 3694-3702	9.4	54
111	Isolated Fe(III)-O Sites Catalyze the Hydrogenation of Acetylene in Ethylene Flows under Front-End Industrial Conditions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8827-8832	16.4	50
110	Alkane oxidation by a carboxylate-bridged dimanganese(III) complex. <i>Chemical Communications</i> , 2001 , 2102-3	5.8	48
109	Slow magnetic relaxation in carbonato-bridged dinuclear lanthanide(III) complexes with 2,3-quinoxalinediolate ligands. <i>Chemical Communications</i> , 2012 , 48, 7726-8	5.8	46
108	Metal-Organic Frameworks as Chemical Nanoreactors: Synthesis and Stabilization of Catalytically Active Metal Species in Confined Spaces. <i>Accounts of Chemical Research</i> , 2020 , 53, 520-531	24.3	45
107	Field-Induced Slow Magnetic Relaxation in a Mononuclear Manganese(III)-Porphyrin Complex. <i>Chemistry - A European Journal</i> , 2015 , 21, 17299-307	4.8	45
106	Rational design of a new class of heterobimetallic molecule-based magnets: Synthesis, crystal structures, and magnetic properties of oxamato-bridged (M ₂ =LiI and MnII; M=NiII and CoII) open-frameworks with a three-dimensional honeycomb architecture. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3394-3402	2.7	45
105	Fine-tuning of the confined space in microporous metal-organic frameworks for efficient mercury removal. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20120-20125	13	44
104	Ferromagnetic coupling by spin polarization in a trinuclear copper(II) metallacyclophane with a triangular cage-like structure. <i>Inorganic Chemistry</i> , 2009 , 48, 5244-9	5.1	44
103	Crystallographic snapshots of host-guest interactions in drugs@metal-organic frameworks: towards mimicking molecular recognition processes. <i>Materials Horizons</i> , 2018 , 5, 683-690	14.4	43
102	Molecular-programmed self-assembly of homo- and heterometallic penta- and hexanuclear coordination compounds: synthesis, crystal structures, and magnetic properties of ladder-type CuII2MIIx (M=Cu, Ni; x=3, 4) oxamato complexes with CuII2 metallacyclophane cores. <i>Inorganic Chemistry</i> , 2007 , 46, 4504-14	5.1	41
101	A metallacryptand-based manganese(II)-cobalt(II) ferrimagnet with a three-dimensional honeycomb open-framework architecture. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4211-6	16.4	40
100	Spin control in ladderlike hexanuclear copper(II) complexes with metallacyclophane cores. <i>Inorganic Chemistry</i> , 2004 , 43, 2768-70	5.1	40
99	Chemistry and reactivity of dinuclear manganese oxamate complexes: Aerobic catechol oxidation catalyzed by high-valent bis(oxo)-bridged dimanganese(IV) complexes with a homologous series of binucleating 4,5-disubstituted-o-phenylenedioxamate ligands. <i>Journal of Molecular Catalysis A</i> , 2006 , 250, 20-26		39
98	Magnetic anisotropy of a high-spin octanuclear nickel(II) complex with a meso-helicate core. <i>Inorganic Chemistry</i> , 2004 , 43, 7594-6	5.1	39
97	Concise Chemistry Modulation of the SMM Behavior within a Family of Mononuclear Dy(III) Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 14843-14851	5.1	39

96	Modulation of the magnetic anisotropy of octahedral cobalt(II) single-ion magnets by fine-tuning the axial coordination microenvironment. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 848-856	6.8	38
95	Slow magnetic relaxation in a hydrogen-bonded 2D array of mononuclear dysprosium(III) oxamates. <i>Inorganic Chemistry</i> , 2013 , 52, 4777-9	5.1	37
94	Photoswitching of the antiferromagnetic coupling in an oxamato-based dicopper(II) anthracenophane. <i>Chemical Communications</i> , 2011 , 47, 11035-7	5.8	36
93	Redox switch-off of the ferromagnetic coupling in a mixed-spin tricobalt(II) triple mesocate. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14614-5	16.4	35
92	Confined Pt Water Clusters in a MOF Catalyze the Low-Temperature Water-Gas Shift Reaction with both CO Oxygen Atoms Coming from Water. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17094-17099	16.4	35
91	Isolating reactive metal-based species in Metal-Organic Frameworks - viable strategies and opportunities. <i>Chemical Science</i> , 2020 , 11, 4031-4050	9.4	34
90	Multiferroics by Rational Design: Implementing Ferroelectricity in Molecule-Based Magnets. <i>Angewandte Chemie</i> , 2012 , 124, 8481-8485	3.6	34
89	Synthesis, crystal structure and magnetic properties of two oxalato-bridged dimetallic trinuclear complexes combined with a polar cation. <i>Dalton Transactions</i> , 2010 , 39, 4951-8	4.3	34
88	Selective and Efficient Removal of Mercury from Aqueous Media with the Highly Flexible Arms of a BioMOF. <i>Angewandte Chemie</i> , 2016 , 128, 11333-11338	3.6	33
87	Spin-crossover complex encapsulation within a magnetic metal-organic framework. <i>Chemical Communications</i> , 2016 , 52, 7360-3	5.8	33
86	Topological versatility of oxalate-based bimetallic one-dimensional (1D) compounds associated with ammonium cations. <i>Inorganic Chemistry</i> , 2012 , 51, 11582-93	5.1	32
85	Spin control in oxamato-based manganese(II)-copper(II) coordination polymers with brick-wall layer architectures. <i>Inorganic Chemistry</i> , 2011 , 50, 8694-6	5.1	32
84	Ordered mesoporous silicas as host for the incorporation and aggregation of octanuclear nickel(II) single-molecule magnets: a bottom-up approach to new magnetic nanocomposite materials. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2702-2714		32
83	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018 , 24, 17712-17718	4.8	30
82	Chemistry and reactivity of dinuclear iron oxamate complexes: alkane oxidation with hydrogen peroxide catalysed by an oxo-bridged diiron(III) complex with amide and carboxylate ligation. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2713-2720	2.7	30
81	Design of Magnetic Coordination Polymers Built from Polyoxalamide Ligands: A Thirty Year Story. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 228-247	2.3	30
80	Cytosine Nucleobase Ligand: A Suitable Choice for Modulating Magnetic Anisotropy in Tetrahedrally Coordinated Mononuclear Co Compounds. <i>Inorganic Chemistry</i> , 2017 , 56, 1857-1864	5.1	29
79	Tuning the selectivity of light hydrocarbons in natural gas in a family of isoreticular MOFs. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11032-11039	13	28

78	Self-assembly and magnetic properties of a double-propeller octanuclear copper(II) complex with a meso-helicate-type metallacryptand core. <i>Chemical Communications</i> , 2004 , 920-1	5.8	28
77	High-temperature spin crossover in a mononuclear six-coordinate cobalt(II) complex. <i>Inorganic Chemistry</i> , 2014 , 53, 10009-11	5.1	27
76	Oligo-m-phenyleneoxalamide copper(II) mesocates as electro-switchable ferromagnetic metal-organic wires. <i>Chemistry - A European Journal</i> , 2010 , 16, 12838-51	4.8	27
75	Chemistry and reactivity of mononuclear manganese oxamate complexes: Oxidative carbon-carbon bond cleavage of vic-diols by dioxygen and aldehydes catalyzed by a trans-dipyridine manganese(III) complex with a tetradentate o-phenylenedioxamate ligand. <i>Journal of Molecular Catalysis A</i> , 2006 , 243, 214-220		27
74	Rational Synthesis of Chiral Metal-Organic Frameworks from Preformed Rodlike Secondary Building Units. <i>Inorganic Chemistry</i> , 2017 , 56, 6551-6557	5.1	25
73	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10350-10360	16.4	25
72	Dicopper(II) Metallacyclophanes with Electroswitchable Polymethyl-Substituted para-Phenylene Spacers. <i>Chemistry - A European Journal</i> , 2013 , 19, 12124-37	4.8	25
71	Homochiral self-assembly of biocoordination polymers: anion-triggered helicity and absolute configuration inversion. <i>Chemical Science</i> , 2015 , 6, 4300-4305	9.4	24
70	Capping N-Donor Ligands Modulate the Magnetic Dynamics of Dy Diketonate Single-Ion Magnets with D Symmetry. <i>Chemistry - A European Journal</i> , 2019 , 25, 3884-3892	4.8	24
69	S-shaped decanuclear heterometallic [Ni ₈ Ln ₂] complexes [Ln(III) = Gd, Tb, Dy and Ho]: theoretical modeling of the magnetic properties of the gadolinium analogue. <i>Dalton Transactions</i> , 2014 , 43, 10164-74	4.3	22
68	Enantioselective self-assembly of antiferromagnetic hexacopper(II) wheels with chiral amino acid oxamates. <i>Chemical Communications</i> , 2013 , 49, 5942-4	5.8	22
67	Redox switching of the antiferromagnetic coupling in permethylated dicopper(II) paracyclophanes. <i>Chemical Communications</i> , 2012 , 48, 8401-3	5.8	22
66	Soluble/MOF-Supported Palladium Single Atoms Catalyze the Ligand-, Additive-, and Solvent-Free Aerobic Oxidation of Benzyl Alcohols to Benzoic Acids. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2581-2592	16.4	22
65	A hexaicosametallic copper(II) phosphonate. <i>Dalton Transactions</i> , 2013 , 42, 8192-6	4.3	21
64	Synthesis, Structure, and Magnetic Properties of a Family of Heterometallic Pentanuclear [Co ₄ Ln] (Ln = Gd ^{III} , Dy ^{III} , Tb ^{III} , and Ho ^{III}) Assemblies. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4506-4514	2.3	20
63	Reverse osmosis and nanofiltration membranes for highly efficient PFASs removal: overview, challenges and future perspectives. <i>Dalton Transactions</i> , 2021 , 50, 5398-5410	4.3	20
62	A post-synthetic approach triggers selective and reversible sulphur dioxide adsorption on a metal-organic framework. <i>Chemical Communications</i> , 2018 , 54, 9063-9066	5.8	19
61	A triple-bridged azido-Cu(II) chain compound fine-tuned by mixed carboxylate/ethanol linkers displays slow-relaxation and ferromagnetic order: synthesis, crystal structure, magnetic properties and DFT calculations. <i>Dalton Transactions</i> , 2014 , 43, 15359-66	4.3	19

60	Stabilized Ru[(H ₂ O) ₆] ³⁺ in Confined Spaces (MOFs and Zeolites) Catalyzes the Imination of Primary Alcohols under Atmospheric Conditions with Wide Scope. <i>ACS Catalysis</i> , 2018 , 8, 10401-10406	13.1	19
59	Prussian blue analogues of reduced dimensionality. <i>Small</i> , 2012 , 8, 2532-40	11	18
58	Molecular-programmed self-assembly of homo- and heterometallic tetranuclear coordination compounds: synthesis, crystal structures, and magnetic properties of rack-type Cu(II)(2)M(II)(2) complexes (M = Cu and Ni) with tetranucleating phenylenedioxamato bridging ligands. <i>Inorganic Chemistry</i> , 2009 , 48, 4661-73	5.1	18
57	Cation Exchange in Dynamic 3D Porous Magnets: Improvement of the Physical Properties. <i>Inorganic Chemistry</i> , 2015 , 54, 10834-40	5.1	17
56	Self-assembly of a chiral three-dimensional manganese(II)copper(II) coordination polymer with a double helical architecture. <i>CrystEngComm</i> , 2013 , 15, 9312	3.3	17
55	Lanthanide Discrimination with Hydroxyl-Decorated Flexible Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018 , 57, 13895-13900	5.1	17
54	Hydrolase-like catalysis and structural resolution of natural products by a metal-organic framework. <i>Nature Communications</i> , 2020 , 11, 3080	17.4	16
53	Heterometallic Pentanuclear [Ni ₄ Ln] (Ln ^{III} = Gd, Tb, Dy, Ho) Complexes: Accidental Orthogonality Leading to Ferromagnetic Interactions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3393-3400	2.3	16
52	Influence of the alkaline earth cations on the topology of MII/CuII mixed-metalorganic frameworks (M = Ca, Sr and Ba). <i>CrystEngComm</i> , 2012 , 14, 761-764	3.3	16
51	Field-Induced Hysteresis and Quantum Tunneling of the Magnetization in a Mononuclear Manganese(III) Complex. <i>Angewandte Chemie</i> , 2013 , 125, 14325-14329	3.6	16
50	New Magnetic Thin Film Hybrid Materials Built by the Incorporation of Octanickel(II)-oxamato Clusters Between Clay Mineral Platelets. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2004-2008	6.4	16
49	Structural Studies on a New Family of Chiral BioMOFs. <i>Crystal Growth and Design</i> , 2016 , 16, 5571-5578	3.5	16
48	Efficient Gas Separation and Transport Mechanism in Rare Hemilabile MetalOrganic Framework. <i>Chemistry of Materials</i> , 2019 , 31, 5856-5866	9.6	15
47	Ligand effects on the dimensionality of oxamato-bridged mixed-metal open-framework magnets. <i>Chemical Communications</i> , 2012 , 48, 3539-41	5.8	15
46	Double interpenetration in a chiral three-dimensional magnet with a (10,3)-a structure. <i>Inorganic Chemistry</i> , 2015 , 54, 8890-2	5.1	14
45	Solid-state aggregation of metallacyclophane-based Mn(II)Cu(II) one-dimensional ladders. <i>Inorganic Chemistry</i> , 2012 , 51, 7019-21	5.1	14
44	Bioinspired Metal-Organic Frameworks in Mixed Matrix Membranes for Efficient Static/Dynamic Removal of Mercury from Water. <i>Advanced Functional Materials</i> , 2021 , 31, 2008499	15.6	14
43	A novel oxalate-based three-dimensional coordination polymer showing magnetic ordering and high proton conductivity. <i>Dalton Transactions</i> , 2017 , 46, 15130-15137	4.3	13

42	Postsynthetic Improvement of the Physical Properties in a Metal-Organic Framework through a Single Crystal to Single Crystal Transmetalation. <i>Angewandte Chemie</i> , 2015 , 127, 6621-6625	3.6	13
41	High-valent bis(oxo)-bridged dinuclear manganese oxamates: Synthesis, crystal structures, magnetic properties, and electronic structure calculations of bis(μ -oxo)dimanganese(IV) complexes with a binucleating o-phenylenedioxamate ligand. <i>Inorganica Chimica Acta</i> , 2007 , 360, 221-232	2.7	13
40	A series of lanthanide(III) metal-organic frameworks derived from a pyridyl-dicarboxylate ligand: single-molecule magnet behaviour and luminescence properties. <i>Dalton Transactions</i> , 2020 , 49, 14123-14132	4.3	13
39	Highly efficient temperature-dependent chiral separation with a nucleotide-based coordination polymer. <i>Chemical Communications</i> , 2018 , 54, 6356-6359	5.8	13
38	Synthesis of Densely Packaged, Ultrasmall Pt ₂ Clusters within a Thioether-Functionalized MOF: Catalytic Activity in Industrial Reactions at Low Temperature. <i>Angewandte Chemie</i> , 2018 , 130, 6294-6299	3.6	12
37	The odd association of a C _{3h} trisamidinium cation and tosylate anion with a series of linear oxalate-bridged trinuclear heterometallic complexes. <i>Dalton Transactions</i> , 2013 , 42, 4704-13	4.3	12
36	Self-assembly, metal binding ability, and magnetic properties of dinickel(II) and dicobalt(II) triple mesocates. <i>CrystEngComm</i> , 2012 , 14, 5639	3.3	12
35	Solvent-Dependent Self-Assembly of an Oxalato-Based Three-Dimensional Magnet Exhibiting a Novel Architecture. <i>Inorganic Chemistry</i> , 2016 , 55, 6845-7	5.1	12
34	Direct Visualization of Pyrrole Reactivity upon Confinement within a Cyclodextrin Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9179-9183	16.4	10
33	A Metallacryptand-Based Manganese(II)Cobalt(II) Ferrimagnet with a Three-Dimensional Honeycomb Open-Framework Architecture. <i>Angewandte Chemie</i> , 2008 , 120, 4279-4284	3.6	10
32	Mixed component metal-organic frameworks: Heterogeneity and complexity at the service of application performances. <i>Coordination Chemistry Reviews</i> , 2022 , 451, 214273	23.2	10
31	Cyclic metal(oid) clusters control platinum-catalysed hydrosilylation reactions: from soluble to zeolite and MOF catalysts. <i>Chemical Science</i> , 2020 , 11, 8113-8124	9.4	10
30	Toward Engineering Chiral Rodlike Metal-Organic Frameworks with Rare Topologies. <i>Inorganic Chemistry</i> , 2018 , 57, 12869-12875	5.1	10
29	Bio-metal-organic frameworks for molecular recognition and sorbent extraction of hydrophilic vitamins followed by their determination using HPLC-UV. <i>Mikrochimica Acta</i> , 2020 , 187, 201	5.8	9
28	Solvent-induced single-crystal-to-single-crystal transformation and tunable magnetic properties of 1D azido-Cu(II) chains with a carboxylate bridge. <i>Dalton Transactions</i> , 2019 , 48, 11268-11277	4.3	9
27	Metal-Organic Frameworks as Playgrounds for Reticulate Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2019 , 58, 14498-14506	5.1	9
26	Variation of the ground spin state in homo- and hetero-octanuclear copper(II) and nickel(II) double-star complexes with a meso-helicate-type metallacryptand core. <i>Dalton Transactions</i> , 2010 , 39, 4786-801	4.3	9
25	Highly Efficient Removal of Neonicotinoid Insecticides by Thioether-Based (Multivariate) Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28424-28432	9.5	9

24	Modulating magnetic dynamics through tailoring the terminal ligands in Dy single-molecule magnets. <i>Dalton Transactions</i> , 2020 , 49, 808-816	4.3	8
23	Solid-State Anion Guest Encapsulation by Metallosupramolecular Capsules Made from Two Tetranuclear Copper(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4569-4573	2.3	7
22	Data on phase and chemical compositions of black sands from "El Ostional" beach situated in Mompiche, Ecuador. <i>Data in Brief</i> , 2020 , 32, 106214	1.2	7
21	A Metalloligand Approach for the Self-Assembly of a Magnetic Two-Dimensional Grid-of-Grids. <i>Crystal Growth and Design</i> , 2019 , 19, 3905-3912	3.5	6
20	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. <i>Computation</i> , 2020 , 8, 28	2.2	6
19	Glassy PEEK-WC vs. Rubbery Pebax 1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1310	2.6	6
18	Towards Iron-Titanium Oxide Nanostructures from Ecuadorian Black Mineral Sands. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 122	2.4	6
17	Selective Guest Inclusion in Oxalate-Based Iron(III) Magnetic Coordination Polymers. <i>Inorganic Chemistry</i> , 2016 , 55, 11160-11169	5.1	5
16	Tuning the spin ground state in heterononanuclear nickel(II)-copper(II) cylinders with a triangular metallacyclophane core. <i>Inorganic Chemistry</i> , 2010 , 49, 11264-6	5.1	4
15	Confined Pt11+ Water Clusters in a MOF Catalyze the Low-Temperature Water-Gas Shift Reaction with both CO2 Oxygen Atoms Coming from Water. <i>Angewandte Chemie</i> , 2018 , 130, 17340-17345	3.6	4
14	Direct Visualization of Pyrrole Reactivity upon Confinement within a Cyclodextrin Metal-Organic Framework. <i>Angewandte Chemie</i> , 2019 , 131, 9277-9281	3.6	3
13	Switching of easy-axis to easy-plane anisotropy in cobalt(ii) complexes. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 5158-5168	6.8	3
12	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNT-BP: Recovery of the Endangered Rare-Earth Elements from Aqueous Systems. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100730	4.6	3
11	Magnetic order in a CuII DyIII oxamato-based two-dimensional coordination polymer. <i>Comptes Rendus Chimie</i> , 2019 , 22, 466-475	2.7	2
10	Slow relaxation of the magnetization in Oximato-bridged heterobimetallic Copper(II)-Manganese(III) chains. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 976-986	1.5	2
9	Synthesis of a chiral rod-like metal-organic framework from a preformed amino acid-based hexanuclear wheel. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 1204-1221	1.6	1
8	Photodegradation of Brilliant Green Dye by a Zinc bioMOF and Crystallographic Visualization of Resulting CO. <i>Molecules</i> , 2021 , 26,	4.8	1
7	Crystallographic Visualization of a Double Water Molecule Addition on a Pt1-MOF during the Low-temperature Water-Gas Shift Reaction. <i>ChemCatChem</i> , 2021 , 13, 1195-1200	5.2	1

6	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018 , 24, 17615-17615	4.8	1
5	Multivariate Metal-Organic Framework/Single-Walled Carbon Nanotube Bucky paper for Selective Lead Decontamination.. <i>ACS Applied Nano Materials</i> , 2022 , 5, 5223-5233	5.6	1
4	Synthesis of a rod-based porous coordination polymer from a nucleotide as a sequential chiral inductor. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 200-215	1.6	0
3	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNT-BP: Recovery of the Endangered Rare-Earth Elements from Aqueous Systems (Adv. Mater. Interfaces 16/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170089	4.6	
2	A Biocompatible Aspartic-Decorated Metal-Organic Framework with Tubular Motif Degradable under Physiological Conditions. <i>Inorganic Chemistry</i> , 2021 , 60, 14221-14229	5.1	
1	Click amidations, esterifications and one-pot reactions catalyzed by Cu salts and multimetal-organic frameworks (MMOFs). <i>Molecular Catalysis</i> , 2022 , 522, 112228	3.3	