

Enrique Colacio

List of Publications by Year in descending order

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244
papers

8,930
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38660

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66788

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docs citations

246
times ranked

5940
citing authors

#	ARTICLE	IF	CITATIONS
1	Slow Magnetic Relaxation in a Co ^{II} –Y ^{III} Single-Ion Magnet with Positive Axial Zero-Field Splitting. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9130-9134.	7.2	266
2	Helical-Chain Copper(II) Complexes and a Cyclic Tetranuclear Copper(II) Complex with Single Syn ⁺ –Anti Carboxylate Bridges and Ferromagnetic Exchange Interactions. <i>Inorganic Chemistry</i> , 2000, 39, 2882-2890.	1.9	240
3	Field and dilution effects on the slow relaxation of a luminescent DyO ₉ low-symmetry single-ion magnet. <i>Chemical Communications</i> , 2012, 48, 7916.	2.2	204
4	Single-Molecule Magnets: From Mn ¹² -ac to dysprosium metallocenes, a travel in time. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213984.	9.5	200
5	Nanoparticles of Prussian Blue Ferritin: A New Route for Obtaining Nanomaterials. <i>Inorganic Chemistry</i> , 2003, 42, 6983-6985.	1.9	180
6	Synthesis and characterization of novel palladium(II) complexes of bis(thiosemicarbazone). Structure, cytotoxic activity and DNA binding of Pd(II)-benzyl bis(thiosemicarbazone). <i>Journal of Inorganic Biochemistry</i> , 1999, 76, 29-37.	1.5	139
7	Structural and magnetic studies of a syn-anti carboxylate-bridged helix-like chain copper(II) complex. <i>Inorganic Chemistry</i> , 1992, 31, 774-778.	1.9	134
8	Family of Carboxylate- and Nitrate-diphenoxo Triply Bridged Dinuclear Ni ^{II} –Ln ^{III} Complexes (Ln = Eu, Gd, Tb, Ho, Er, Y): Synthesis, Experimental and Theoretical Magneto-Structural Studies, and Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2012, 51, 5857-5868.	1.9	132
9	Slow Magnetic Relaxation in Co(III)–Co(II) Mixed-Valence Dinuclear Complexes with a Co ^{II} O ₅ X (X = Cl, Br, NO ₃) Distorted-Octahedral Coordination Sphere. <i>Inorganic Chemistry</i> , 2013, 52, 4554-4561.	1.9	131
10	Bifunctional Hybrid SiO ₂ Nanoparticles Showing Synergy between Core Spin Crossover and Shell Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3290-3293.	7.2	127
11	Strategy for the Rational Design of Asymmetric Triply Bridged Dinuclear 3d-4f Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2011, 50, 7268-7273.	1.9	125
12	Structure and magnetic properties of a syn-anti carboxylate bridged linear trinuclear copper(II) complex with ferromagnetic exchange interaction. <i>Inorganica Chimica Acta</i> , 1993, 212, 115-121.	1.2	115
13	Dilution-Triggered SMM Behavior under Zero Field in a Luminescent Zn ₂ Dy ₂ Tetranuclear Complex Incorporating Carbonato-Bridging Ligands Derived from Atmospheric CO ₂ Fixation. <i>Inorganic Chemistry</i> , 2013, 52, 9620-9626.	1.9	113
14	Architecture Dependence on the Steric Constrains of the Ligand in Cyano-Bridged Copper(I) and Copper(II)–Copper(I) Mixed-Valence Polymer Compounds Containing Diamines: Crystal Structures and Spectroscopic and Magnetic Properties. <i>Inorganic Chemistry</i> , 2002, 41, 5141-5149.	1.9	111
15	A novel two-dimensional honeycomb-like bimetallic iron(III)–nickel(II) cyanide-bridged magnetic material [Ni(cyclam)] ₃ [Fe(CN) ₆] ₂ ·nH ₂ O (cyclam = 1,4,8,11-tetraazacyclodecane). <i>Chemical Communications</i> , 1999, , 987-988.	2.2	106
16	Binuclear Copper(II) Complexes with N ₄ O ₃ Coordinating Heptadentate Ligand: Synthesis, Structure, Magnetic Properties, Density-Functional Theory Study, and Catecholase Activity. <i>Inorganic Chemistry</i> , 2008, 47, 4023-4031.	1.9	106
17	A quasi-tetrahedral tetracopper cluster with syn-anti bridging carboxylate groups: crystal and molecular structure and magnetic properties. <i>Inorganic Chemistry</i> , 1990, 29, 4240-4246.	1.9	104
18	Unique self-assembled 2D metal-tetrazolate networks: crystal structure and magnetic properties of [M(pmtz) ₂](M = Co(ii) and Fe(ii); Hpmtz = 5-(pyrimidyl)tetrazole). <i>Chemical Communications</i> , 2005, , 5228.	2.2	100

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19	Bifunctional Zn ^{II} Ln ^{III} Dinuclear Complexes Combining Field Induced SMM Behavior and Luminescence: Enhanced NIR Lanthanide Emission by 9-Anthracene Carboxylate Bridging Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 1465-1474.	1.9	95
20	Rational Electrostatic Design of Easy-Axis Magnetic Anisotropy in a Zn ^{II} Dy ^{III} Zn ^{II} Single-Molecule Magnet with a High Energy Barrier. <i>Chemistry - A European Journal</i> , 2014, 20, 14262-14269.	1.7	95
21	Closely-Related Zn ^{II} ₂ Ln ^{III} ₂ Complexes (Ln ^{III} = Gd, Yb) with Either Magnetic Refrigerant or Luminescent Single-Molecule Magnet Properties. <i>Inorganic Chemistry</i> , 2014, 53, 3586-3594.	1.9	93
22	Self-Assembled Cationic Heterochiral Honeycomb-Layered Metal Complexes with the in Situ Generated Pyrimidine-2-carboxylato Bisdentate Ligand. Hydrothermal Synthesis, Crystal Structures, Magnetic Properties, and Theoretical Study of [M ₂ (1/4-pymca) ₃]OH·H ₂ O (M = Fe, Co). <i>Inorganic Chemistry</i> , 2007, 46, 2503-2510.	1.9	90
23	Hydroxide-Free Cubane-Shaped Tetranuclear [Ln ₄] Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 3417-3426.	1.9	85
24	Octanuclear {Ln(III) ₈ } (Ln = Gd, Tb, Dy, Ho) Macrocyclic Complexes in a Cyclooctadiene-like Conformation: Manifestation of Slow Relaxation of Magnetization in the Dy(III) Derivative. <i>Inorganic Chemistry</i> , 2013, 52, 4562-4570.	1.9	83
25	Effect of Ligand Substitution around the Dy ^{III} on the SMM Properties of Dual-Luminescent Zn ^{II} Dy ^{III} and Zn ^{II} Dy ^{III} Zn ^{II} Complexes with Large Anisotropy Energy Barriers: A Combined Theoretical and Experimental Magnetostructural Study. <i>Inorganic Chemistry</i> , 2016, 55, 4428-4440.	1.9	83
26	Binuclear Copper(II) Chelates with Heptadentate Ligands: Synthesis, Structure, Magnetic Properties, DFT Studies, and Catecholase and Hydrolytic DNA Cleavage Activity. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 277-284.	1.0	81
27	Analysis of the Role of Peripheral Ligands Coordinated to Zn ^{II} in Enhancing the Energy Barrier in Luminescent Linear Trinuclear Zn ^{II} Dy ^{III} Zn ^{II} Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2015, 21, 15785-15796.	1.7	80
28	Two Polymorphic Forms of a Six-Coordinate Mononuclear Cobalt(II) Complex with Easy-Plane Anisotropy: Structural Features, Theoretical Calculations, and Field-Induced Slow Relaxation of the Magnetization. <i>Inorganic Chemistry</i> , 2016, 55, 8502-8513.	1.9	72
29	Studies on bifunctional Fe(II)-triazole spin crossover nanoparticles: time-dependent luminescence, surface grafting and the effect of a silica shell and hydrostatic pressure on the magnetic properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7819-7829.	2.7	69
30	Decanuclear Ln ₁₀ Wheels and Vertex-Shared Spirocyclic Ln ₅ Cores: Synthesis, Structure, SMM Behavior, and MCE Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 16955-16967.	1.7	67
31	Synthesis, X-ray structures and luminescence properties of three multidimensional metal-organic frameworks incorporating the versatile 5-(pyrimidyl)tetrazolato bridging ligand. <i>Dalton Transactions</i> , 2007, , 1821-1828.	1.6	66
32	A chiral diamondoid 3D lanthanum metal-organic framework displaying blue-greenish long lifetime photoluminescence emission. <i>CrystEngComm</i> , 2010, 12, 1876.	1.3	65
33	Cyano-Bridged Bimetallic Assemblies from Hexacyanometalate, [M(CN) ₆] ³⁻ (M = Mn ^{III} and Fe ^{III}), and [M(N ₄ -macrocycle)] ²⁺ (M = Fe ^{III} , Ni ^{II} and Zn ^{II}) Building Blocks. Syntheses, Multidimensional Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2001, 40, 4876-4883.	1.9	64
34	Antiferromagnetic versus Ferromagnetic Exchange Interactions in Bis(oximate) ₂ dinickel(II) Units for a Series of Closely Related Cube Shaped Carboxamidoximate-Bridged Ni ₄ Complexes. A Combined Experimental and Theoretical Magneto-Structural Study. <i>Inorganic Chemistry</i> , 2010, 49, 10156-10165.	1.9	64
35	Hexacyanocobaltate(III) Anions as Precursors of Co(II)~Ni(II) Cyano-Bridged Multidimensional Assemblies: Hydrothermal Syntheses, Crystal and Powder X-ray Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2005, 44, 8399-8406.	1.9	62
36	Anion Influence on the Structure and Magnetic Properties of a Series of Multidimensional Pyrimidine-2-carboxylato-Bridged Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 8143-8158.	1.9	62

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37	On the Magnetic Coupling and Spin Crossover Behavior in Complexes Containing the Head-to-Tail [Fe ^{II}] ₂ (1/4-SCN) ₂ Bridging Unit: A Magnetostructural Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2018, 57, 2184-2192.	1.9	61
38	Structural and Magnetic Diversity in Cyano-Bridged Bi- and Trimetallic Complexes Assembled from Cyanometalates and [M(rac-CTH)] _n -Building Blocks (CTH) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (=d,l-5,5,7,12,12,14-Hexamethyleno) 10537-10551.	1.9	59
39	Crowned Tetrameric Spirocyclic Water Chain: An Unusual Building Block of a Supramolecular Metal-Organic Host. <i>Crystal Growth and Design</i> , 2007, 7, 212-214.	1.4	59
40	Increasing the effective energy barrier promoted by the change of a counteranion in a Zn ^{II} -Dy ^{III} -Zn SMM: slow relaxation via the second excited state. <i>Chemical Communications</i> , 2015, 51, 12353-12356.	2.2	59
41	Amending the Anisotropy Barrier and Luminescence Behavior of Heterometallic Trinuclear Linear [M ^{II} Ln ^{III} M ^{II}] (Ln ^{III} =Gd, Tb, Dy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 10537-10551. <i>Chemistry - A European Journal</i> , 2015, 21, 6449-6464.	1.7	59
42	Rare earth anthracenedicarboxylate metal-organic frameworks: slow relaxation of magnetization of Nd ³⁺ , Gd ³⁺ , Dy ³⁺ , Er ³⁺ and Yb ³⁺ based materials. <i>Dalton Transactions</i> , 2016, 45, 591-598.	1.6	59
43	A Rational Design for Imidazolate-Bridged Linear Trinuclear Compounds from Mononuclear Copper(II) Complexes with 2-[(Imidazol-2-ylmethylidene)amino]ethylpyridine (HL): Syntheses, Structures, and Magnetic Properties of [Cu(L)(hfac)M(hfac)2Cu(hfac)(L)] (M = ZnII, CuII, MnII). <i>Inorganic Chemistry</i> , 2000, 39, 2770-2776.	1.9	58
44	Aurophilicity as a cofactor in crystal engineering. Dicyanoaurate(i) anion as a building block in a novel Co(ii)-Au(i) bimetallic assembly. <i>Chemical Communications</i> , 2002, , 592-593.	2.2	57
45	Hydrothermal Syntheses, Crystal Structures, and Properties of Two-Dimensional Homo- and Heterometallic Cyanide-Bridged Complexes: [Cu ₂ (CN) ₂ (bpym)] and [Fe(bipy) ₂ (CN) ₄ Cu ₂] (bpym =) Tj ETQq1 1 0.784314 rgBT /	1.9	54
46	The effect of heating rate on yields and compositions of oil products from esparto pyrolysis. <i>International Journal of Energy Research</i> , 2006, 30, 1243-1250.	2.2	55
47	Heterodinuclear Copper(II)-Nickel(II) Complexes with Unusual Asymmetrical Bridges from a New and Versatile Dioxime Multidentate Ligand. <i>Magnetostructural Study. Inorganic Chemistry</i> , 1994, 33, 3914-3924.	1.9	54
48	Designing a Dy ₂ Single-Molecule Magnet with Two Well-Differentiated Relaxation Processes by Using a Nonsymmetric Bis-bidentate Bipyrimidine-N-Oxide Ligand: A Comparison with Mononuclear Counterparts. <i>Inorganic Chemistry</i> , 2018, 57, 6362-6375.	1.9	54
49	A ferromagnetically coupled diphenoxo-bridged Gd ³⁺ -Mn ²⁺ dinuclear complex with a large magneto-caloric effect. <i>Chemical Communications</i> , 2013, 49, 3845.	2.2	52
50	A family of acetato-diphenoxo triply bridged dimetallic Zn ^{II} Ln ^{III} complexes: SMM behavior and luminescent properties. <i>Dalton Transactions</i> , 2016, 45, 9712-9726.	1.6	51
51	Analysis of Magnetic Anisotropy and the Role of Magnetic Dilution in Triggering Single-Molecule Magnet (SMM) Behavior in a Family of Co ^{II} Y ^{III} Dinuclear Complexes with Easy-Plane Anisotropy. <i>Chemistry - A European Journal</i> , 2017, 23, 11649-11661.	1.7	51
52	Structure and magnetic properties of two cyanide-bridged one-dimensional M ^{II} -Cull (M ^{II} =...FeIII or FeII) bimetallic assemblies from ferricyanide and CuN ₄ ²⁺ (N ₄ =...1,4,8,11-tetraazacyclotetradecane and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 505-509.	2.3	50
53	Rational design of azide-bridged bimetallic complexes. Crystal structure and magnetic properties of FeIIIMFeIII (M = NiII and CuII) trinuclear species. <i>Chemical Communications</i> , 2005, , 534-536.	2.2	49
54	Homometallic Dy ^{III} Complexes of Varying Nuclearity from 2 to 21: Synthesis, Structure, and Magnetism. <i>Chemistry - A European Journal</i> , 2017, 23, 5154-5170.	1.7	49

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55	A cyano bridged iron(III) linear chain with alternating Fe(CN) ₆ ⁴⁻ Fe(cyclam) (cyclam =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74 Communications, 1998, , 1071-1072.	2.2	48
56	Novel square-planar cyclic tetranuclear copper(II) complex containing oximate bridges. Synthesis, crystal structure and magnetic properties of tetrakis[$\frac{1}{4}$ -1,3-dimethylviolurato)copper(II)] tetra perchlorate dihydrate. Journal of the Chemical Society Dalton Transactions, 1999, , 2923-2926.	1.1	48
57	Synthesis and characterisation of zinc, cadmium and mercury complexes of benzilbisthiosemicarbazone. Structure of cadmium derivative. Inorganica Chimica Acta, 2001, 323, 130-138.	1.2	48
58	Theoretical and Experimental Study of the Effectiveness of the 5-Pyrimidyl-tetrazolate Bridging Ligand in Mediating Magnetic Exchange Interactions. Inorganic Chemistry, 2010, 49, 8986-8996.	1.9	48
59	Lanthanide Tetrazolate Complexes Combining Single-Molecule Magnet and Luminescence Properties: The Effect of the Replacement of Tetrazolate N ₃ by β -diketonate Ligands on the Anisotropy Energy Barrier. Chemistry - A European Journal, 2016, 22, 14548-14559.	1.7	48
60	A New Family of Ni ₄ and Ni ₆ Aggregates from the Self-Assembly of [Ni ₂] Building Units: Role of Carboxylate and Carbonate Bridges. Inorganic Chemistry, 2015, 54, 4709-4723.	1.9	46
61	A two-dimensional copper(I) polymer containing both molecular rod and anionic bridges: synthesis and crystal structure of (μ -chloro)-(μ -pyrazine)copper(I). Canadian Journal of Chemistry, 1995, 73, 1591-1595.	0.6	45
62	Aurophilicity-Coordination Interplay in the Design of Cyano-Bridged Nickel(II)-Gold(I) Bimetallic Assemblies: A Structural and Computational Studies of the Gold(I)-Gold(I) Interactions. Inorganic Chemistry, 2003, 42, 560-565.	1.9	45
63	Enantiopure Tetranuclear Iron(III) Complexes Using Chiral Reduced Schiff Base Ligands: Synthesis, Structure, Spectroscopy, Magnetic Properties, and DFT Studies. Inorganic Chemistry, 2009, 48, 4753-4762.	1.9	45
64	A Novel Series of Heterotrinnuclear Complexes Involving Imidazolate Bridging Schiff's Base Ligands. Synthesis, Crystal Structure, and Magnetic Properties. Inorganic Chemistry, 1998, 37, 3040-3045.	1.9	44
65	Catechol releases iron(III) from ferritin by direct chelation without iron(II) production. Dalton Transactions, 2005, , 811-813.	1.6	44
66	Structure, magnetism and DFT studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand. Dalton Transactions, 2009, , 6335.	1.6	44
67	A new hydrogen-bonded dinuclear complex involving copper(II) ions in a pseudotetrahedral N3O environment: molecular and crystal structure and magnetic and spectroscopic properties. Inorganic Chemistry, 1991, 30, 1475-1479.	1.9	43
68	Influence of metal ions, coligands and reaction conditions on the structural versatility and properties of 5-pyrimidyl-tetrazolate containing complexes. Dalton Transactions, 2009, , 9578.	1.6	43
69	[Ni(cyclam)($\frac{1}{4}$ 1,3-dca)2Cu($\frac{1}{4}$ 1,5-dca)2]: A Genuine 3D Bimetallic Coordination Polymer Containing Both $\frac{1}{4}$ 1,3- and $\frac{1}{4}$ 1,5-Bidentate Dicyanamide Bridges and a Ferromagnetic Interaction between Copper(II) and Nickel(II) Ions. Inorganic Chemistry, 2005, 44, 3771-3773.	1.9	42
70	[Zn(polyox)(pmtz)n]: the first polyoxalate-containing coordination polymer from an unforeseen chemical rearrangement of 5-pyrimidyl-tetrazole under hydrothermal conditions. Chemical Communications, 2006, , 4140-4142.	2.2	42
71	A rational design by hydrothermal methods of a tetrazolate-bridged bimetallic spin-canted antiferromagnet. Synthesis, X-ray structure and magnetic properties of [CoNi(pmtz) ₄] (Hpmtz =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74	1.9	42
72	Heterometallic Zn ₃ Ln ₃ Ensembles Containing ($\frac{1}{4}$ 6 ₆ -CO ₃) Ligand and Triangular Disposition of Ln ₃ ions: Analysis of Single-Molecule Toric (SMT) and Single-Molecule Magnet (SMM) Behavior. Chemistry - A European Journal, 2017, 23, 16621-16636.	1.7	42

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73	Synthesis, Structure, and Properties of μ_4 -Oxo-Bridged FeII ₂ and Heterometallic Azide-Bridged FeIII ₂ CuII Complexes of a Picolinamide In-Plane Ligand. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1907-1912.	1.0	41
74	Two C_3 -Symmetric Dy ₃ ^{III} Complexes with Triple Di μ_4 -methoxo μ_4 -phenoxo Bridges, Magnetic Ground State, and Single-Molecule Magnetic Behavior. <i>Chemistry - A European Journal</i> , 2014, 20, 8410-8420.	1.7	40
75	Diphenoxo-Bridged Ni ^{II} /Ln ^{III} Dinuclear Complexes as Platforms for Heterotrimetallic (Ln ^{III} /Ni ^{II}) ₂ Ru ^{III} Systems with a High-Magnetic-Moment Ground State: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 7010-7012.	1.9	39
76	Luminescence and magnetic properties of three metal-organic frameworks based on the 5-(1H-tetrazol-5-yl)isophthalic acid ligand. <i>CrystEngComm</i> , 2013, 15, 7636.	1.3	39
77	Gold(I) phosphine complexes: mercaptooxopurine base interactions. Molecular and crystal structure of (8-mercaptotheophyllinato-S)(triphenylphosphine)gold(I). <i>Inorganic Chemistry</i> , 1991, 30, 3743-3749.	1.9	38
78	Designing Ligands to Isolate ZnLn and Zn ₂ Ln Complexes: Field-Induced Single-Ion Magnet Behavior of the ZnDy, Zn ₂ Dy, and Zn ₂ Er Analogues. <i>Inorganic Chemistry</i> , 2017, 56, 5646-5656.	1.9	38
79	Modular structure of a robust microporous MOF based on Cu ₂ paddle-wheels with high CO ₂ selectivity. <i>Chemical Communications</i> , 2013, 49, 11329.	2.2	37
80	Two Tetranuclear Copper(II) Complexes with Open Cubane-Like Cu ₄ O ₄ Core Framework and Ferromagnetic Exchange Interactions between Copper(II) Ions: Structure, Magnetic Properties, and Density Functional Study. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1552-1560.	1.0	37
81	Single-Molecule Magnet Behavior and Magnetocaloric Effect in Ferromagnetically Coupled Ln ^{III} -Ni ^{II} -Ni ^{II} -Ln ^{III} (Ln ^{III} = Dy ^{III}) Tj ETOP 1.0784314 rgt	1.0	37
82	Anion controlled structural and magnetic diversity in unusual mixed-bridged polynuclear Ni ^{II} complexes with a versatile bis(2-methoxy phenol)diamine hexadentate ligand. An experimental and theoretical magneto-structural study. <i>Dalton Transactions</i> , 2014, 43, 13509-13524.	1.6	37
83	Magneto-Structural Properties and Theoretical Studies of a Family of Simple Heterodinuclear Phenoxide/Alkoxide Bridged Mn ^{III} /Ln ^{III} Complexes: On the Nature of the Magnetic Exchange and Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2018, 57, 3683-3698.	1.9	37
84	Field-induced slow magnetic relaxation and luminescence thermometry in a mononuclear ytterbium complex. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3019-3029.	3.0	37
85	A Novel One-Dimensional Cyano-Bridged Ni ₃ Fe ₂ Ferromagnet Constructed from Bimetallic Molecular Squares. <i>Inorganic Chemistry</i> , 2003, 42, 6962-6964.	1.9	36
86	Dinuclear alkoxo-bridged copper(II) coordination polymers: Syntheses, structural and magnetic properties. <i>Inorganica Chimica Acta</i> , 2010, 363, 755-762.	1.2	36
87	Two Series of Isostructural Coordination Polymers with Isomeric Benzenedicarboxylates and Different Azine Based N,N ² -Donor Ligands: Syntheses, Characterization and Magnetic Properties. <i>Crystal Growth and Design</i> , 2015, 15, 4427-4437.	1.4	36
88	Release of Iron from Ferritin by Aceto- and Benzohydroxamic Acids. <i>Inorganic Chemistry</i> , 2005, 44, 2706-2709.	1.9	35
89	Linear, Edge-Sharing Heterometallic Trinuclear [Co ^{II} -Ln ^{III} -Co ^{II}] (Ln ^{III} = Gd ^{III} , Dy ^{III} , Tb ^{III} , and Ho ^{III}) Complexes: Slow Relaxation of Magnetization in the Dy ^{III} Derivative. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 397-406.	1.0	35
90	Syntheses, X-ray structures, catalytic activity and magnetic properties of two new coordination polymers of Co(μ_2) and Ni(μ_2) based on benzenedicarboxylate and linear N,N ² -donor Schiff base linkers. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 414-425.	3.0	35

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91	Preparation, crystal structures and magnetic properties of a syn-anti carboxylate-bridged dinuclear copper(II) complex and its precursor, a hydrogen-bonded polynuclear copper(II) complex. <i>Inorganica Chimica Acta</i> , 1994, 218, 109-116.	1.2	34
92	Crystal structure and magnetic properties of [Cu(ox)(py) ₂] (py = pyridine): a ferromagnetic oxalate-bridged zigzag chain complex. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2143-2146.	1.1	34
93	Metal-Purine Interactions: Homo- and Heterodinuclear Platinum(II) and/or Palladium(II) Complexes of 8-Thiotheophylline. Crystal Structures of [Pt(^{1/4} -TT)(dppm)] ₂ ·2DMSO and [(dppm)Pt(^{1/4} -TT)Pd(dppm)]·7H ₂ O. <i>Inorganic Chemistry</i> , 1997, 36, 1652-1656.	1.9	34
94	Spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction. <i>Inorganica Chimica Acta</i> , 1993, 208, 111-115.	1.2	33
95	A New Mononuclear Copper(II) Complex Containing Two Imidazolyl Moieties as Precursor of Self-Assembled and NiII CuII NiII Heterobimetallic Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 3046-3050.	1.9	33
96	Production of fuel briquettes from esparto partially pyrolyzed. <i>Energy Conversion and Management</i> , 2005, 46, 1877-1884.	4.4	33
97	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 180-187.	4.0	33
98	Influence of the anions on the structure and magnetic properties of a series of bis(^{1/4} -diphenoxo)-bridged linear trinuclear copper(II) complexes: an experimental and theoretical study. <i>Dalton Transactions</i> , 2011, 40, 12462.	1.6	32
99	In vivo potential antidiabetic activity of a novel zinc coordination compound based on 3-carboxy-pyrazole. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 64-67.	1.5	32
100	Improving the SMM and luminescence properties of lanthanide complexes with LnO ₉ cores in the presence of Zn ^{II} : an emissive Zn ₂ Dy single ion magnet. <i>Dalton Transactions</i> , 2017, 46, 17000-17009.	1.6	32
101	Large easy-axis magnetic anisotropy in a series of trigonal prismatic mononuclear cobalt(II) complexes with zero-field hidden single-molecule magnet behaviour: the important role of the distortion of the coordination sphere and intermolecular interactions in the slow relaxation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2810-2831.	3.0	32
102	Enhanced ferromagnetic interaction in metallacyclic complexes incorporating m-phenylenediamidato bridges.. <i>Dalton Transactions</i> , 2009, , 8538.	1.6	31
103	Synthesis, crystal structures and magnetic properties of bis(^{1/4} -dialkoxo)-bridged linear trinuclear copper(II) complexes with aminoalcohol ligands: a theoretical/experimental magneto-structural study. <i>Dalton Transactions</i> , 2012, 41, 2648.	1.6	31
104	Photographing the synergy between magnetic and colour properties in spin crossover material [Fe(NH ₂ trz) ₃](BF ₄) ₂ : a temperature sensor perspective. <i>Chemical Communications</i> , 2013, 49, 288-290.	2.2	31
105	An experimental and theoretical magneto-structural study of polynuclear Ni ^{II} complexes assembled from a versatile bis(salicylaldehyde)diamine polytopic ligand. <i>Dalton Transactions</i> , 2015, 44, 6825-6838.	1.6	31
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