

# Antonio RodrÃ-guez DiÃ©guez

## List of Publications by Year in descending order

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218  
papers

4,744  
citations

94433

37  
h-index

168389

53  
g-index

219  
all docs

219  
docs citations

219  
times ranked

5186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field and dilution effects on the slow relaxation of a luminescent DyO <sub>9</sub> low-symmetry single-ion magnet. <i>Chemical Communications</i> , 2012, 48, 7916.	4.1	204
2	Guest-Induced Modification of a Magnetically Active Ultramicroporous, Gismondine-like, Copper(II) Coordination Network. <i>Journal of the American Chemical Society</i> , 2008, 130, 3978-3984.	13.7	149
3	Curcumin loaded mesoporous silica: an effective drug delivery system for cancer treatment. <i>Biomaterials Science</i> , 2016, 4, 448-459.	5.4	107
4	Synthesis of Cyclic Carbonates Catalysed by Aluminium Heteroscorpionate Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 9850-9862.	3.3	104
5	Self-Assembled Cationic Heterochiral Honeycomb-Layered Metal Complexes with the in Situ Generated Pyrimidine-2-carboxylato Bisdidentate Ligand. Hydrothermal Synthesis, Crystal Structures, Magnetic Properties, and Theoretical Study of [M <sub>2</sub> (1/4-pymca) <sub>3</sub> ]OH·H <sub>2</sub> O (M = Fe, Co). <i>Inorganic Chemistry</i> , 2007, 46, 2503-2510.	4.0	90
6	Curcumin-loaded silica-based mesoporous materials: Synthesis, characterization and cytotoxic properties against cancer cells. <i>Materials Science and Engineering C</i> , 2016, 63, 393-410.	7.3	78
7	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , 2018, 185, 47.	5.0	77
8	Tuning the luminescence performance of metal-organic frameworks based on d <sup>10</sup> metal ions: from an inherent versatile behaviour to their response to external stimuli. <i>CrystEngComm</i> , 2016, 18, 8556-8573.	2.6	76
9	One-Component Aluminum(heteroscorpionate) Catalysts for the Formation of Cyclic Carbonates from Epoxides and Carbon Dioxide. <i>ChemSusChem</i> , 2017, 10, 1175-1185.	6.8	68
10	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.	3.3	66
11	A chiral diamondoid 3D lanthanum metal-organic framework displaying blue-greenish long lifetime photoluminescence emission. <i>CrystEngComm</i> , 2010, 12, 1876.	2.6	65
12	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.	4.0	62
13	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.	4.0	62
14	Structural and Magnetic Diversity in Cyano-Bridged Bi- and Trimetallic Complexes Assembled from Cyanometalates and [M(rac-CTH)] <sub>n</sub> -Building Blocks (CTH) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (=d,l-5,5,7,12,12,14-Hexamethy 10537-10551.	4.0	59
15	Rare earth anthracenedicarboxylate metal-organic frameworks: slow relaxation of magnetization of Nd <sup>3+</sup> , Gd <sup>3+</sup> , Dy <sup>3+</sup> , Er <sup>3+</sup> and Yb <sup>3+</sup> based materials. <i>Dalton Transactions</i> , 2016, 45, 591-598.	3.3	59
16	Hydrothermal Syntheses, Crystal Structures, and Properties of Two-Dimensional Homo- and Heterometallic Cyanide-Bridged Complexes: [Cu <sub>2</sub> (CN) <sub>2</sub> (bpym)] and [Fe(bpym) <sub>2</sub> (CN) <sub>4</sub> Cu <sub>2</sub> ] (bpym =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (=d,l-5,5,7,12,12,14-Hexamethy	4.0	59
17	Triazolopyrimidine compounds containing first-row transition metals and their activity against the neglected infectious Chagas disease and leishmaniasis. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 526-534.	5.5	54
18	Metal-Organic Frameworks in Agriculture. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 16983-17007.	8.0	53

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19	A family of acetato-diphenoxo triply bridged dimetallic Zn <sup>II</sup> Ln <sup>III</sup> complexes: SMM behavior and luminescent properties. Dalton Transactions, 2016, 45, 9712-9726.	3.3	51
20	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.	4.0	48
21	Synthesis of Bio-Derived Cyclic Carbonates from Renewable Resources. ACS Sustainable Chemistry and Engineering, 2019, 7, 20126-20138.	6.7	48
22	Designing Multifunctional 5-Cyanoisophthalate-Based Coordination Polymers as Single-Molecule Magnets, Adsorbents, and Luminescent Materials. Inorganic Chemistry, 2016, 55, 11230-11248.	4.0	46
23	Structure, magnetism and DFT studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand. Dalton Transactions, 2009, , 6335.	3.3	44
24	Influence of pseudohalide ligands on the structural versatility and properties of novel ternary metal complexes with 1,2,4-triazolo[1,5-a]pyrimidine. CrystEngComm, 2010, 12, 3038.	2.6	44
25	Influence of metal ions, coligands and reaction conditions on the structural versatility and properties of 5-pyrimidyl-tetrazolate containing complexes. Dalton Transactions, 2009, , 9578.	3.3	43
26	In vitro and in vivo antiparasital activity against Trypanosoma cruzi of three novel 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one-based complexes. Journal of Inorganic Biochemistry, 2011, 105, 770-776.	3.5	43
27	[Znn(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.	4.1	42
28	A rational design by hydrothermal methods of a tetrazolate-bridged bimetallic spin-canted antiferromagnet. Synthesis, X-ray structure and magnetic properties of [CoNi(pmtz) <sub>4</sub> ] (H <sub>2</sub> pmtz = 5-pyrimidyl-tetrazolate). Dalton Transactions, 2010, 39, 1070-1074.	3.3	42
29	Dinuclear silver(i) complexes for the design of metal-organic ligand networks based on triazolopyrimidines. Dalton Transactions, 2011, 40, 11845.	3.3	42
30	Combining Polycarboxylate and Bipyridyl-like Ligands in the Design of Luminescent Zinc and Cadmium Based Metal-Organic Frameworks. Crystal Growth and Design, 2017, 17, 3893-3906.	3.0	42
31	Coordination Polymers with Intriguing Photoluminescence Behavior: The Promising Avenue for Greatest Long-Lasting Phosphors. European Journal of Inorganic Chemistry, 2018, 2018, 2155-2174.	2.0	41
32	The role of unconventional stacking interactions in the supramolecular assemblies of Hg <sup>II</sup> coordination compounds. CrystEngComm, 2016, 18, 9056-9066.	2.6	40
33	A Zn based coordination polymer exhibiting long-lasting phosphorescence. Chemical Communications, 2016, 52, 8671-8674.	4.1	40
34	Luminescence and magnetic properties of three metal-organic frameworks based on the 5-(1H-tetrazol-5-yl)isophthalic acid ligand. CrystEngComm, 2013, 15, 7636.	2.6	39
35	Preparation and Study of the Antibacterial Applications and Oxidative Stress Induction of Copper Maleamate-Functionalized Mesoporous Silica Nanoparticles. Pharmaceutics, 2019, 11, 30.	4.5	39
36	Modular structure of a robust microporous MOF based on Cu <sub>2</sub> paddle-wheels with high CO <sub>2</sub> selectivity. Chemical Communications, 2013, 49, 11329.	4.1	37

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37	Anion controlled structural and magnetic diversity in unusual mixed-bridged polynuclear Ni <sup>II</sup> complexes with a versatile bis(2-methoxy phenol)diamine hexadentate ligand. An experimental and theoretical magneto-structural study. Dalton Transactions, 2014, 43, 13509-13524.	3.3	37
38	Design, synthesis and characterization of doped-titanium oxide nanomaterials with environmental and angiogenic applications. Science of the Total Environment, 2017, 599-600, 1263-1274.	8.0	37
39	Synthesis, X-ray characterization, DFT calculations and Hirshfeld surface analysis studies of carbohydrazone based on Zn complexes. CrystEngComm, 2016, 18, 102-112.	2.6	36
40	Biological activity of three novel complexes with the ligand 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one against Leishmania spp.. Journal of Antimicrobial Chemotherapy, 2011, 66, 813-819.	3.0	35
41	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with Cu <sub>2</sub> O nanoparticles for CO <sub>2</sub> methanation. Chemical Communications, 2019, 55, 10932-10935.	4.1	34
42	Multifunctional behavior of molecules comprising stacked cytosine–Ag <sup>I</sup> –cytosine base pairs; towards conducting and photoluminescence silver-DNA nanowires. Chemical Science, 2019, 10, 1126-1137.	7.4	33
43	Synthesis of helical aluminium catalysts for cyclic carbonate formation. Dalton Transactions, 2019, 48, 4218-4227.	3.3	33
44	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. Dalton Transactions, 2011, 40, 12462.	3.3	32
45	In vivo potential antidiabetic activity of a novel zinc coordination compound based on 3-carboxy-pyrazole. Journal of Inorganic Biochemistry, 2014, 131, 64-67.	3.5	32
46	Modulating Anticancer Potential by Modifying the Structural Properties of a Family of Zinc Metal–Organic Chains Based on 4-Nitro-1 <i>H</i> -pyrazole. Crystal Growth and Design, 2018, 18, 969-978.	3.0	32
47	Enhanced ferromagnetic interaction in metallacyclic complexes incorporating m-phenylenediamidato bridges.. Dalton Transactions, 2009, , 8538.	3.3	31
48	An experimental and theoretical magneto-structural study of polynuclear Ni <sup>II</sup> complexes assembled from a versatile bis(salicylaldehyde)diamine polytopic ligand. Dalton Transactions, 2015, 44, 6825-6838.	3.3	31
49	Carbodiimides as catalysts for the reduction of CO <sub>2</sub> with boranes. Chemical Communications, 2018, 54, 4700-4703.	4.1	31
50	First Examples of Metal–Organic Frameworks with the Novel 3,3′-(1,2,4,5-Tetrazine-3,6-diyl)dibenzoic Spacer. Luminescence and Adsorption Properties. Inorganic Chemistry, 2013, 52, 546-548.	4.0	30
51	Controlling interpenetration for tuning porosity and luminescence properties of flexible MOFs based on biphenyl-4,4′-dicarboxylic acid. CrystEngComm, 2016, 18, 1282-1294.	2.6	30
52	Pyridine Vapors Detection by an Optical Fibre Sensor. Sensors, 2008, 8, 847-859.	3.8	29
53	Slow relaxation of magnetization in 3D-MOFs based on dysprosium dinuclear entities bridged by dicarboxylic linkers. CrystEngComm, 2016, 18, 3055-3063.	2.6	29
54	Alkaline-earth metal based MOFs with second scale long-lasting phosphor behavior. CrystEngComm, 2018, 20, 4793-4803.	2.6	29

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55	Toward a New Type of Multifunctional Metal-Organic Systems Based on Nucleobase Analogues: First Results Derived From The Use of Aliphatic $\alpha,\omega$ -Dicarboxylates. <i>Crystal Growth and Design</i> , 2012, 12, 3583-3593.	3.0	28
56	Lanthanide complexes containing 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one and their therapeutic potential to fight leishmaniasis and Chagas disease. <i>Journal of Inorganic Biochemistry</i> , 2014, 138, 39-46.	3.5	28
57	Effect of $\pi$ - $\pi$ stacking interactions on the emission properties of cadmium metal-organic frameworks based on 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene. <i>CrystEngComm</i> , 2015, 17, 3659-3666.	2.6	28
58	From isolated to 2D coordination polymers based on 6-aminonicotinate and 3d-metal ions: towards field-induced single-ion-magnets. <i>CrystEngComm</i> , 2017, 19, 2229-2242.	2.6	28
59	Structural consequences of the introduction of 2,2'-bipyrimidine as auxiliary ligand in triazolopyrimidine-based transition metal complexes. In vitro antiparasitic activity. <i>Polyhedron</i> , 2012, 33, 137-144.	2.2	27
60	Ruthenium(II)-arene complexes with dibenzoylmethane induce apoptotic cell death in multiple myeloma cell lines. <i>Inorganica Chimica Acta</i> , 2017, 454, 139-148.	2.4	27
61	In vitro leishmanicidal and trypanocidal evaluation and magnetic properties of 7-amino-1,2,4-triazolo[1,5-a]pyrimidine Cu(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 26-32.	3.5	27
62	A Potassium Metal-Organic Framework based on Perylene-3,4,9,10-tetracarboxylate as Sensing Layer for Humidity Actuators. <i>Scientific Reports</i> , 2018, 8, 14414.	3.3	27
63	Strontium-Based MOFs Showing Dual Emission: Luminescence Thermometers and Toluene Sensors. <i>Inorganic Chemistry</i> , 2020, 59, 18432-18443.	4.0	27
64	Rational design of ferromagnetic coupled diphenoxocarboxylate triply bridged dinuclear nickel(ii) complexes: orbital countercomplementarity of the bridging ligands. <i>Dalton Transactions</i> , 2012, 41, 14265.	3.3	26
65	Ring-opening copolymerisation of cyclohexene oxide and carbon dioxide catalysed by scorpionate zinc complexes. <i>Polymer Chemistry</i> , 2016, 7, 6475-6484.	3.9	26
66	Rational design of triple-bridged dinuclear Zn <sup>II</sup> /Ln <sup>III</sup> -based complexes: a structural, magnetic and luminescence study. <i>CrystEngComm</i> , 2017, 19, 256-264.	2.6	26
67	Anticancer Applications of Nanostructured Silica-Based Materials Functionalized with Titanocene Derivatives: Induction of Cell Death Mechanism through TNFR1 Modulation. <i>Materials</i> , 2018, 11, 224.	2.9	26
68	Solvent-dependent 2D-coordination polymers of Cu(I) containing a bridging triazolopyrimidine ligand. <i>Inorganica Chimica Acta</i> , 2011, 376, 674-678.	2.4	25
69	Structural and magnetic properties of three novel complexes with the versatile ligand 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one. <i>Dalton Transactions</i> , 2011, 40, 5180.	3.3	24
70	Novel 3D lanthanum oxalate metal-organic-framework: Synthetic, structural, luminescence and adsorption properties. <i>Polyhedron</i> , 2013, 52, 315-320.	2.2	24
71	Experimental and Theoretical Study of a Cadmium Coordination Polymer Based on Aminonicotinate with Second-Timescale Blue/Green Photoluminescent Emission. <i>Inorganic Chemistry</i> , 2017, 56, 3149-3152.	4.0	24
72	Multifunctional applications of a dysprosium-based metal-organic chain with single-ion magnet behaviour. <i>CrystEngComm</i> , 2016, 18, 8718-8721.	2.6	23

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73	Two mixed-ligand cadmium (<sup>ii</sup>) compounds bearing 5-nitrosopyrimidine and N-donor aromatic blocks: self-assembly generation, structural and topological features, DFT studies, and Hirshfeld surface analysis. <i>CrystEngComm</i> , 2016, 18, 5647-5657.	2.6	23
74	Highly Active Anti-Diabetic Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016, 16, 537-540.	3.0	23
75	Efficient hydridoiron(II)-diketone-catalyzed hydrolysis of ammonia- or amine-boranes for hydrogen generation in air. <i>Dalton Transactions</i> , 2013, 42, 11652.	3.3	22
76	Stereoselective formation and catalytic activity of hydrido(acylphosphane)(chlorido)(pyrazole)rhodium (<sup>iii</sup>) complexes. <i>Experimental and DFT studies. Dalton Transactions</i> , 2015, 44, 13141-13155.	3.3	22
77	Diclofenac N-Derivatives as Therapeutic Agents with Anti-Inflammatory and Anti-Cancer Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5067.	4.1	22
78	[Co(IV-ox)(Hpmtz)] - A New Coll Zig-Zag Chain Complex with the In Situ Generated Oxalate Bridging and Hpmtz Chelating Ligands (Hpmtz = 5-pyrimidyltetrazole) Exhibiting Spin-Canted Antiferromagnetism. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 203-207.	2.0	21
79	Versatile organoaluminium catalysts based on heteroscorpionate ligands for the preparation of polyesters. <i>Dalton Transactions</i> , 2018, 47, 7471-7479.	3.3	21
80	Alkaline-earth and aminonicotinate based coordination polymers with combined fluorescence/long-lasting phosphorescence and metal ion sensing response. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6997-7012.	5.5	21
81	Influence of thermally induced structural transformations on the magnetic and luminescence properties of tartrate-based chiral lanthanide organic-frameworks. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8243-8256.	5.5	21
82	Multidimensional Cyanide-Bridged Heterometallic Fe-Cu and Homometallic Cu Coordination Polymers from Solvothermal Reactions Involving either K <sub>3</sub> [Fe(CN) <sub>6</sub> ] or KCN as the Source of Cyanide Anions. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2860-2868.	2.0	20
83	Efficient Hydrosilylation of Acetophenone with a New Anthraquinonic Amide-Based Iron Precatalyst. <i>Organometallics</i> , 2016, 35, 4083-4089.	2.3	20
84	Novel anti-diabetic and luminescent coordination compounds based on vanadium. <i>New Journal of Chemistry</i> , 2016, 40, 5387-5393.	2.8	20
85	Designing Single-Ion Magnets and Phosphorescent Materials with 1-Methylimidazole-5-carboxylate and Transition-Metal Ions. <i>Inorganic Chemistry</i> , 2017, 56, 13897-13912.	4.0	20
86	Applications of Nanomaterials Based on Magnetite and Mesoporous Silica on the Selective Detection of Zinc Ion in Live Cell Imaging. <i>Nanomaterials</i> , 2018, 8, 434.	4.1	20
87	3d <sup>~</sup> 3d <sup>~</sup> 4f Chain Complexes Constructed Using the Dinuclear Metallacyclic Complex [Ni <sub>2</sub> (mbpb) <sub>3</sub> ] <sup>2+</sup> [H <sub>2</sub> mbpb = 1,3-Bis(pyridine-2-carboxamide)benzene] as a Ligand: Synthesis, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2010, 49, 1826-1833.	4.0	19
88	New copper(II), nickel(II) and zinc(II) complexes with 1,2,4-triazolo[1,5-a]pyrimidines and the chelating ligand 1,3-propanediamine: An unexpected coordination behavior for the 7-amine-derivative. <i>Inorganica Chimica Acta</i> , 2011, 378, 194-201.	2.4	19
89	Dual investigation of lanthanide complexes with cinnamate and phenylacetate ligands: Study of the cytotoxic properties and the catalytic oxidation of styrene. <i>Polyhedron</i> , 2014, 80, 117-128.	2.2	19
90	Photoluminescence and magnetic analysis of a family of lanthanide (<sup>iii</sup>) complexes based on diclofenac. <i>New Journal of Chemistry</i> , 2017, 41, 5467-5475.	2.8	19



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91	Design and synthesis of a family of 1D-lanthanide-coordination polymers showing luminescence and slow relaxation of the magnetization. Dalton Transactions, 2018, 47, 12783-12794.	3.3	19
92	A novel 3D cyano-bridged mixed-valence Coll/Collcanted antiferromagnet constructed from defective cubanes. Synthesis, X-ray structure and magnetic properties. Dalton Transactions, 2007, , 2145-2149.	3.3	18
93	Heterometallic Oximate-Bridged Linear Trinuclear Ni <sup>II</sup> M <sup>III</sup> Ni <sup>II</sup> (M <sup>III</sup> = Mn, Fe, Tb) Complexes Constructed with the <i>fac</i> -[Ni(HL) <sub>3</sub> ] <sup>+</sup> Metalloligand (H <sub>2</sub> L = pyrimidine-carboxamide oxime): A 2.0 Theoretical and Experimental Magneto-Structural Study. European Journal of Inorganic Chemistry, 2011, 2011, 5225-5232.		18
94	Self-assembly synthesis, structure, topology, and magnetic properties of a mononuclear Fe( <sup>III</sup> )-violurate derivative: a combined experimental and theoretical study. Dalton Transactions, 2016, 45, 16166-16172.	3.3	18
95	Suzuki-Miyaura C-C Coupling Reactions Catalyzed by Supported Pd Nanoparticles for the Preparation of Fluorinated Biphenyl Derivatives. Catalysts, 2017, 7, 76.	3.5	18
96	Development of polymeric sensing films based on a tridentate bis(phosphinic amide)-phosphine oxide for detecting europium(III) in water. Dalton Transactions, 2012, 41, 6735.	3.3	17
97	Insights on the binding ability of a new adenine analog: 7-amine-1,2,4-triazolo[1,5-a]pyrimidine. Synthesis and magnetic study of the first copper( <sup>I</sup> ) complexes. Dalton Transactions, 2012, 41, 1755-1764.	3.3	17
98	Hydrido{(acylphosphine)(diphenylphosphinous acid)}rhodium(III) Complexes. Catalysts for the Homogeneous Hydrolysis of Ammonia- or Amine-Boranes under Air. Organometallics, 2014, 33, 6044-6052.	2.3	17
99	Long lifetime photoluminescence emission of 3D cadmium metal-organic frameworks based on the 5-(4-pyridyl)tetrazole ligand. Inorganica Chimica Acta, 2015, 427, 131-137.	2.4	17
100	New selective thiolate gold(I) complexes inhibit the proliferation of different human cancer cells and induce apoptosis in primary cultures of mouse colon tumors. Dalton Transactions, 2020, 49, 1915-1927.	3.3	17
101	Anion encapsulation promoted by anion- interactions in rationally designed hexanuclear antiferromagnetic wheels: synthesis, structure and magnetic properties. CrystEngComm, 2009, 11, 2054.	2.6	16
102	Dinuclear Coordination Compounds Based on a 5-Nitropicolinic Carboxylate Ligand with Single-Molecule Magnet Behavior. Inorganic Chemistry, 2017, 56, 8768-8775.	4.0	16
103	Antiparasitic activity against trypanosomatid diseases and novel metal complexes derived from the first time characterized 5-phenyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one. Journal of Inorganic Biochemistry, 2017, 175, 217-224.	3.5	16
104	A double basic Sr-amino containing MOF as a highly stable heterogeneous catalyst. Dalton Transactions, 2019, 48, 11556-11564.	3.3	16
105	High antiparasitic activity of silver complexes of 5,7-dimethyl-1,2,4-triazolo[1,5 a]pyrimidine. Journal of Inorganic Biochemistry, 2019, 201, 110810.	3.5	16
106	Synthesis, structure, magnetic properties and DFT calculations of novel bis-(5-tetrazolyl)amine copper(II) complexes. Inorganica Chimica Acta, 2012, 385, 73-80.	2.4	15
107	Tuning the porosity through interpenetration of azobenzene-4,4'-dicarboxylate-based metal-organic frameworks. CrystEngComm, 2015, 17, 7636-7645.	2.6	15
108	Copper-functionalized nanostructured silica-based systems: Study of the antimicrobial applications and ROS generation against gram positive and gram negative bacteria. Journal of Inorganic Biochemistry, 2020, 203, 110912.	3.5	15

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109	In vitro leishmanicidal activity of copper (II) 5,7-dimethyl-1,2,4-triazolo[1,5-a]pyrimidine complex and analogous transition metal series. <i>Polyhedron</i> , 2020, 176, 114272.	2.2	15
110	From Remote Alkenes to Linear Silanes or Allylsilanes depending on the Metal Center. <i>ChemCatChem</i> , 2018, 10, 2210-2213.	3.7	14
111	In vitro study of the protective effect of manganese against vanadium-mediated nuclear and mitochondrial DNA damage. <i>Food and Chemical Toxicology</i> , 2020, 135, 110900.	3.6	14
112	Role of Folic Acid in the Therapeutic Action of Nanostructured Porous Silica Functionalized with Organotin(IV) Compounds against Different Cancer Cell Lines. <i>Pharmaceutics</i> , 2020, 12, 512.	4.5	14
113	Magnetic and Photoluminescent Sensors Based on Metal-Organic Frameworks Built up from 2-aminoisonicotinate. <i>Scientific Reports</i> , 2020, 10, 8843.	3.3	14
114	A tris-imidazolecarboxyaldehyde copper(ii) complex with unusual carbonyl co-ordination: structure and reactivity. <i>Dalton Transactions RSC</i> , 2002, , 561-565.	2.3	13
115	Crystal structure and magnetic properties of $[Cu(cyclam)]_3[Fe(CN)_6]_2 \cdot 6H_2O$ , a cyano-bridged assembly with a rope-ladder chain structure. <i>Polyhedron</i> , 2007, 26, 2859-2863.	2.2	13
116	A study of the second coordination sphere in 8-azaxanthinato salts of divalent metal aquacomplexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 1553-1558.	2.4	13
117	Synthesis, structures and luminescence properties of two new Zn(II) coordination compounds incorporating the 5-(4-pyridyl)tetrazolate spacer ligand. <i>Inorganica Chimica Acta</i> , 2010, 363, 3194-3199.	2.4	13
118	Novel metal-organic frameworks based on 5-bromonicotinic acid: Multifunctional materials with H <sub>2</sub> purification capabilities. <i>CrystEngComm</i> , 2012, 14, 6390.	2.6	13
119	The effect of the disposition of coordinated oxygen atoms on the magnitude of the energy barrier for magnetization reversal in a family of linear trinuclear Zn-Dy-Zn complexes with a square-antiprism DyO <sub>8</sub> coordination sphere. <i>Dalton Transactions</i> , 2017, 46, 4278-4286.	3.3	13
120	A new anthraquinoid ligand for the iron-catalyzed hydrosilylation of carbonyl compounds at room temperature: new insights and kinetics. <i>Dalton Transactions</i> , 2018, 47, 7272-7281.	3.3	13
121	Hydrosilylation of Carbonyl Compounds Catalyzed through a Lithiated Hydrazone Derivative. <i>Organometallics</i> , 2018, 37, 2682-2689.	2.3	13
122	Modulation of pore shape and adsorption selectivity by ligand functionalization in a series of $\alpha$ -robust-like flexible metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17409-17416.	10.3	13
123	Anticancer Activity of Alkynylgold(I) with P(NMe <sub>2</sub> ) <sub>3</sub> Phosphane in Mouse Colon Tumors and Human Colon Carcinoma Caco-2 Cell Line. <i>Inorganic Chemistry</i> , 2019, 58, 15536-15551.	4.0	13
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