

Antonio Rodrguez Diguez

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8712002/antonio-rodriguez-diguez-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

3,840
citations

32
h-index

49
g-index

219
ext. papers

4,331
ext. citations

4.2
avg, IF

5.49
L-index

#	Paper	IF	Citations
206	Catalytic Performance and Electrophoretic Behavior of an Yttrium-Organic Framework Based on a Tricarboxylic Asymmetric Alkyne.. <i>Inorganic Chemistry</i> , 2022 , 61, 1377-1384	5.1	2
205	Tris(2-Pyridylmethylamine)V(O) Complexes as Counter Ions of Diprotonated Decavanadate Anion: Potential Antineoplastic Activity.. <i>Frontiers in Chemistry</i> , 2022 , 10, 830511	5	
204	A Mixed Heterobimetallic Y/Eu-MOF for the Cyanosilylation and Hydroboration of Carbonyls. <i>Catalysts</i> , 2022 , 12, 299	4	0
203	A metal-organic framework based on Co(II) and 3-aminoisonicotinate showing specific and reversible colourimetric response to solvent exchange with variable magnet behaviour. <i>Materials Today Chemistry</i> , 2022 , 24, 100794	6.2	1
202	Photoluminescent Coordination Polymers Based on Group 12 Metals and 1H-Indazole-6-Carboxylic Acid. <i>Inorganics</i> , 2021 , 9, 20	2.9	2
201	Exploring the Slow Magnetic Relaxation of a Family of Photoluminescent 3D Lanthanide Organic Frameworks Based on Dicarboxylate Ligands. <i>Magnetochemistry</i> , 2021 , 7, 41	3.1	
200	Diclofenac N-Derivatives as Therapeutic Agents with Anti-Inflammatory and Anti-Cancer Effect. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
199	Anti-cancer and anti-inflammatory activities of a new family of coordination compounds based on divalent transition metal ions and indazole-3-carboxylic acid. <i>Journal of Inorganic Biochemistry</i> , 2021 , 215, 111308	4.2	3
198	Magneto-structural correlations of cyclo-tetranavanadates functionalized with mixed-ligand copper(II) complexes. <i>New Journal of Chemistry</i> , 2021 , 45, 5081-5092	3.6	6
197	An enantiomeric pair of alkaline-earth metal based coordination polymers showing room temperature phosphorescence and circularly polarized luminescence. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5544-5553	7.1	3
196	Experimental and DFT studies on Hexacoordinated acyl(alkyl)and Pentacoordinated Hydroxyalkyl(phosphinite)erhodium(III). Catalytic Hydrolysis of Ammonia Borane. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 879-891	2.3	1
195	Synthesis, Structural Features and Physical Properties of a Family of Triply Bridged Dinuclear 3d-4f Complexes. <i>Magnetochemistry</i> , 2021 , 7, 22	3.1	2
194	Mono- and Dinuclear Asymmetric Aluminum Guanidates for the Catalytic CO ₂ Fixation into Cyclic Carbonates. <i>Organometallics</i> , 2021 , 40, 2859-2869	3.8	3
193	2-Aminopyrimidinium Decavanadate: Experimental and Theoretical Characterization, Molecular Docking, and Potential Antineoplastic Activity. <i>Inorganics</i> , 2021 , 9, 67	2.9	3
192	A novel yttrium-based metal-organic framework for the efficient solvent-free catalytic synthesis of cyanohydrin silyl ethers. <i>Dalton Transactions</i> , 2021 , 50, 11720-11724	4.3	5
191	Biosensing Using MOFs 2021 , 457-499		
190	Single-Ion Magnet and Photoluminescence Properties of Lanthanide(III) Coordination Polymers Based on Pyrimidine-4,6-Dicarboxylate. <i>Magnetochemistry</i> , 2021 , 7, 8	3.1	1

189	Towards correlating dimensionality and topology in luminescent MOFs based on terephthalato and bispyridyl-like ligands. <i>Dalton Transactions</i> , 2021 , 50, 9269-9282	4.3	0
188	Optimization of Cost-Effective and Reproducible Flexible Humidity Sensors Based on Metal-Organic Frameworks. <i>Sensors</i> , 2020 , 20,	3.8	2
187	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	7.1	10
186	Designing Single-Molecule Magnets as Drugs with Dual Anti-Inflammatory and Anti-Diabetic Effects. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
185	Interpenetrated Luminescent Metal-Organic Frameworks based on 1H-Indazole-5-carboxylic Acid. <i>Crystal Growth and Design</i> , 2020 , 20, 4550-4560	3.5	4
184	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,	6.4	7
183	Magnetic and Photoluminescent Sensors Based on Metal-Organic Frameworks Built up from 2-aminoisonicotinate. <i>Scientific Reports</i> , 2020 , 10, 8843	4.9	7
182	Cyclometallated gold(III) complexes against colon cancer. X-ray structure of [Au(C,NPhenylpyridine)(OAc) ₂]. <i>Journal of Organometallic Chemistry</i> , 2020 , 920, 121340	2.3	2
181	Photoluminescence and in vitro cytotoxicity analysis in a novel mononuclear Zn(II) coordination compound based on bumetanide. <i>Inorganica Chimica Acta</i> , 2020 , 509, 119708	2.7	
180	5-Aminopyridine-2-carboxylic acid as appropriate ligand for constructing coordination polymers with luminescence, slow magnetic relaxation and anti-cancer properties. <i>Journal of Inorganic Biochemistry</i> , 2020 , 207, 111051	4.2	1
179	Dilution effect on the slow relaxation of a luminescent dysprosium Metal-Organic Framework based on 2,5-dihydroxyterephthalic acid. <i>Inorganica Chimica Acta</i> , 2020 , 509, 119687	2.7	3
178	Antiparasitic, anti-inflammatory and cytotoxic activities of 2D coordination polymers based on 1H-indazole-5-carboxylic acid. <i>Journal of Inorganic Biochemistry</i> , 2020 , 208, 111098	4.2	6
177	Copper-functionalized nanostructured silica-based systems: Study of the antimicrobial applications and ROS generation against gram positive and gram negative bacteria. <i>Journal of Inorganic Biochemistry</i> , 2020 , 203, 110912	4.2	8
176	Lanthanide(III) Based Complexes Containing 5,7-Dimethyl-1,2,4-triazolo[1,5-a]pyrimidine as Long-Lived Photoluminescent Antiparasitic Agents. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 308-317	2.3	0
175	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	2.7	13
174	New selective thiolate gold(I) complexes inhibit the proliferation of different human cancer cells and induce apoptosis in primary cultures of mouse colon tumors. <i>Dalton Transactions</i> , 2020 , 49, 1915-1927	4.3	10
173	Anti-diabetic and anti-parasitic properties of a family of luminescent zinc coordination compounds based on the 7-amino-5-methyl-1,2,4-triazolo[1,5-a]pyrimidine ligand. <i>Journal of Inorganic Biochemistry</i> , 2020 , 212, 111235	4.2	3
172	Two Isostructural URJC-4 Materials: From Hydrogen Physisorption to Heterogeneous Reductive Amination through Hydrogen Molecule Activation at Low Pressure. <i>Inorganic Chemistry</i> , 2020 , 59, 15733-15740 ¹	5.1	1

171	Reactivity of -Phosphinoguanidines of the Formula (HNR)(PhPNR)C(NAr) toward Main Group Metal Alkyls: Facile Ligand Rearrangement from -Phosphinoguanidines to Phosphinimine-Amidates. <i>Inorganic Chemistry</i> , 2020 , 59, 15262-15275	5.1	1
170	Modulating Magnetic and Photoluminescence Properties in 2-Aminonicotinate-Based Bifunctional Coordination Polymers by Merging 3d Metal Ions. <i>Chemistry - A European Journal</i> , 2020 , 26, 13484-13498	4.8	5
169	Rational design of an unusual 2D-MOF based on Cu(i) and 4-hydroxypyrimidine-5-carbonitrile as linker with conductive capabilities: a theoretical approach based on high-pressure XRD. <i>Chemical Communications</i> , 2020 , 56, 9473-9476	5.8	4
168	Strontium-Based MOFs Showing Dual Emission: Luminescence Thermometers and Toluene Sensors. <i>Inorganic Chemistry</i> , 2020 , 59, 18432-18443	5.1	9
167	2D-Coordination polymers based on 1H-indazole-4-carboxylic acid and transition metal ions: magnetic, luminescence and biological properties. <i>CrystEngComm</i> , 2020 , 22, 5086-5095	3.3	4
166	Magnetic and Luminescent Properties of Isostructural 2D Coordination Polymers Based on 2-Pyrimidinecarboxylate and Lanthanide Ions. <i>Crystals</i> , 2020 , 10, 571	2.3	3
165	Synthesis, Structural Features, and Hydrogen Adsorption Properties of Three New Flexible Sulfur-Containing Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020 , 20, 6707-6714	3.5	2
164	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	4.7	9
163	In vitro evaluation of leishmanicidal properties of a new family of monodimensional coordination polymers based on diclofenac ligand. <i>Polyhedron</i> , 2020 , 184, 114570	2.7	3
162	High antiparasitic activity of silver complexes of 5,7-dimethyl-1,2,4-triazolo[1,5 a]pyrimidine. <i>Journal of Inorganic Biochemistry</i> , 2019 , 201, 110810	4.2	12
161	Acyl(furfurylamine)iridium(III) complexes from irida-diketones. Characterisation and catalytic activity in amine-borane hydrolysis. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119165	2.7	4
160	Multifunctional behavior of molecules comprising stacked cytosine-Ag-cytosine base pairs; towards conducting and photoluminescence silver-DNA nanowires. <i>Chemical Science</i> , 2019 , 10, 1126-1137	9.4	24
159	Multifunctional coordination compounds based on lanthanide ions and 5-bromonicotinic acid: magnetic, luminescence and anti-cancer properties. <i>CrystEngComm</i> , 2019 , 21, 3881-3890	3.3	7
158	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	7.1	13
157	Synthesis of helical aluminium catalysts for cyclic carbonate formation. <i>Dalton Transactions</i> , 2019 , 48, 4218-4227	4.3	21
156	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with CuO nanoparticles for CO methanation. <i>Chemical Communications</i> , 2019 , 55, 10932-10935	5.8	24
155	A double basic Sr-amino containing MOF as a highly stable heterogeneous catalyst. <i>Dalton Transactions</i> , 2019 , 48, 11556-11564	4.3	11
154	Anticancer Activity of Alkynylgold(I) with P(NMe) Phosphane in Mouse Colon Tumors and Human Colon Carcinoma Caco-2 Cell Line. <i>Inorganic Chemistry</i> , 2019 , 58, 15536-15551	5.1	7

153	(Diphenylphosphino)alkylaldehyde affords hydride- or alkyl-[(diphenylphosphino)alkylacyl]rhodium(iii) or (diphenylphosphino)alkylester complexes: theoretical and experimental diastereoselectivity. <i>Dalton Transactions</i> , 2019 , 48, 3300-3313	4.3	4
152	Unusual ligand rearrangement: from N-phosphinoguanidinato to phosphinimine-amidinato compounds. <i>Chemical Communications</i> , 2019 , 55, 2809-2812	5.8	2
151	Synthesis of Bio-Derived Cyclic Carbonates from Renewable Resources. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 20126-20138	8.3	23
150	A phosphine-stabilized silylene rhodium complex. <i>Dalton Transactions</i> , 2019 , 48, 17179-17183	4.3	4
149	Study of the Coordination Modes of Hybrid NNCp Cyclopentadienyl/Scorpionate Ligands in Ir Compounds. <i>Inorganic Chemistry</i> , 2019 , 58, 900-908	5.1	2
148	Preparation and Study of the Antibacterial Applications and Oxidative Stress Induction of Copper Maleamate-Functionalized Mesoporous Silica Nanoparticles. <i>Pharmaceutics</i> , 2019 , 11,	6.4	21
147	Novel and Versatile Cobalt Azobenzene-Based Metal-Organic Framework as Hydrogen Adsorbent. <i>ChemPhysChem</i> , 2019 , 20, 1334-1339	3.2	4
146	Effect of the change of the ancillary carboxylate bridging ligand on the SMM and luminescence properties of a series of carboxylate-diphenoxido triply bridged dinuclear ZnLn and tetranuclear ZnLn complexes (Ln = Dy, Er). <i>Dalton Transactions</i> , 2018 , 48, 190-201	4.3	7
145	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	4.3	12
144	Secondary Oxide Phosphines to Promote Tandem Acyl-Alkyl Coupling/Hydrogen Transfer to Afford (Hydroxyalkyl)rhodium Complexes. Theoretical and Experimental Studies. <i>Inorganic Chemistry</i> , 2018 , 57, 5307-5319	5.1	6
143	Carbodiimides as catalysts for the reduction of CO with boranes. <i>Chemical Communications</i> , 2018 , 54, 4700-4703	5.8	22
142	From Remote Alkenes to Linear Silanes or Allylsilanes depending on the Metal Center. <i>ChemCatChem</i> , 2018 , 10, 2210-2213	5.2	7
141	Alkene-alkyl interconversion: an experimental and computational study of the olefin insertion and Hydride elimination processes. <i>Dalton Transactions</i> , 2018 , 47, 6808-6818	4.3	6
140	Coordination Polymers with Intriguing Photoluminescence Behavior: The Promising Avenue for Greatest Long-Lasting Phosphors. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2155-2174	2.3	26
139	Exploring potentialities and limitations of stapled o-oligo(phenyleneethynylene)s (o-OPEs) as efficient circularly polarized luminescence emitters. <i>Chirality</i> , 2018 , 30, 43-54	2.1	4
138	Polyacrylic acid polymer brushes as substrates for the incorporation of anthraquinone derivatives. Unprecedented application of decorated polymer brushes on organocatalysis. <i>Applied Surface Science</i> , 2018 , 428, 566-578	6.7	6
137	Alkaline-earth metal based MOFs with second scale long-lasting phosphor behavior. <i>CrystEngComm</i> , 2018 , 20, 4793-4803	3.3	14
136	Anticancer Applications of Nanostructured Silica-Based Materials Functionalized with Titanocene Derivatives: Induction of Cell Death Mechanism through TNFR1 Modulation. <i>Materials</i> , 2018 , 11,	3.5	21

135	Hydrosilylation of Carbonyl Compounds Catalyzed through a Lithiated Hydrazone Derivative. <i>Organometallics</i> , 2018 , 37, 2682-2689	3.8	10
134	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,	5.4	17
133	Modulation of pore shape and adsorption selectivity by ligand functionalization in a series of Boblike flexible metalorganic frameworks. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17409-17416	13	10
132	Chiral coordination polymers based on d metals and 2-aminonicotinate with blue fluorescent/green phosphorescent anisotropic emissions. <i>Dalton Transactions</i> , 2018 , 47, 8746-8754	4.3	11
131	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	4.2	19
130	Modulating Anticancer Potential by Modifying the Structural Properties of a Family of Zinc MetalOrganic Chains Based on 4-Nitro-1H-pyrazole. <i>Crystal Growth and Design</i> , 2018 , 18, 969-978	3.5	27
129	Slow relaxation of magnetization and luminescence properties of a novel dysprosium and pyrene-1,3,6,8-tetrasulfonate based MOF. <i>New Journal of Chemistry</i> , 2018 , 42, 832-837	3.6	6
128	Squaramide-Based Pt(II) Complexes as Potential Oxygen-Regulated Light-Triggered Photocages. <i>Inorganic Chemistry</i> , 2018 , 57, 15517-15525	5.1	3
127	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	4.9	16
126	Zinc/itaconate coordination polymers as first examples with long-lasting phosphorescence based on acyclic ligands. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10870-10880	7.1	7
125	Design and synthesis of a family of 1D-lanthanide-coordination polymers showing luminescence and slow relaxation of the magnetization. <i>Dalton Transactions</i> , 2018 , 47, 12783-12794	4.3	17
124	Versatile organoaluminium catalysts based on heteroscorpionate ligands for the preparation of polyesters. <i>Dalton Transactions</i> , 2018 , 47, 7471-7479	4.3	13
123	Selective Three-Component Coupling for CO Chemical Fixation to Boron Guanidinato Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 8404-8413	5.1	4
122	Ruthenium(II)-arene complexes with dibenzoylmethane induce apoptotic cell death in multiple myeloma cell lines. <i>Inorganica Chimica Acta</i> , 2017 , 454, 139-148	2.7	22
121	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 coordination sphere. <i>Dalton Transactions</i> , 2017 , 46, 4278-4286	4.3	10
120	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	5.1	20
119	Photoluminescence and magnetic analysis of a family of lanthanide(III) complexes based on diclofenac. <i>New Journal of Chemistry</i> , 2017 , 41, 5467-5475	3.6	18
118	Design, synthesis and characterization of doped-titanium oxide nanomaterials with environmental and angiogenic applications. <i>Science of the Total Environment</i> , 2017 , 599-600, 1263-1274	10.2	33

117	Combining Polycarboxylate and Bipyridyl-like Ligands in the Design of Luminescent Zinc and Cadmium Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2017 , 17, 3893-3906	3-5	38
116	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	3-3	23
115	Rational design of triple-bridged dinuclear ZnIIInIII-based complexes: a structural, magnetic and luminescence study. <i>CrystEngComm</i> , 2017 , 19, 256-264	3-3	17
114	Simple ZnEt as a catalyst in carbodiimide hydroalkynylation: structural and mechanistic studies. <i>Dalton Transactions</i> , 2017 , 46, 12923-12934	4-3	4
113	Dinuclear Coordination Compounds Based on a 5-Nitropicolinic Carboxylate Ligand with Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2017 , 56, 8768-8775	5-1	14
112	Insertion reactions of small unsaturated molecules in the N-B bonds of boron guanidates. <i>Dalton Transactions</i> , 2017 , 46, 10281-10299	4-3	10
111	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. <i>Journal of Inorganic Biochemistry</i> , 2017 , 175, 217-224	4-2	13
110	Designing Single-Ion Magnets and Phosphorescent Materials with 1-Methylimidazole-5-carboxylate and Transition-Metal Ions. <i>Inorganic Chemistry</i> , 2017 , 56, 13897-13912	5-1	16
109	One-Component Aluminum(heteroscorpionate) Catalysts for the Formation of Cyclic Carbonates from Epoxides and Carbon Dioxide. <i>ChemSusChem</i> , 2017 , 10, 1175-1185	8-3	52
108	Suzuki-Miyaura C-C Coupling Reactions Catalyzed by Supported Pd Nanoparticles for the Preparation of Fluorinated Biphenyl Derivatives. <i>Catalysts</i> , 2017 , 7, 76	4	13
107	Covalent immobilization of dysprosium-based metal-organic chains on silicon-based polymer brush surfaces. <i>New Journal of Chemistry</i> , 2017 , 41, 7007-7011	3-6	0
106	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , 2017 , 185, 47	5-8	53
105	Dialkylboron guanidates: syntheses, structures and carbodiimide de-insertion reactions. <i>Dalton Transactions</i> , 2016 , 45, 15350-15363	4-3	9
104	Self-assembly synthesis, structure, topology, and magnetic properties of a mononuclear Fe(III)-violurate derivative: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2016 , 45, 16166-16172	4-3	15
103	A pentacoordinated norbornenyl-acyl-rhodium(III) complex as a likely intermediate in the catalytic hydroacylation of norbornadiene. <i>Dalton Transactions</i> , 2016 , 45, 18502-18509	4-3	7
102	The role of unconventional stacking interactions in the supramolecular assemblies of Hg(II) coordination compounds. <i>CrystEngComm</i> , 2016 , 18, 9056-9066	3-3	34
101	Ring-opening copolymerisation of cyclohexene oxide and carbon dioxide catalysed by scorpionate zinc complexes. <i>Polymer Chemistry</i> , 2016 , 7, 6475-6484	4-9	16
100	A Zn based coordination polymer exhibiting long-lasting phosphorescence. <i>Chemical Communications</i> , 2016 , 52, 8671-4	5-8	32

99	Two mixed-ligand cadmium(II) 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	3.3	20
98	Acyridium(III) Complexes with PCN Terdentate Ligands Including Imino- or Iminium-Acyl Moieties or Formation of Hydrido from Hydroxyl. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1790-1797 ²⁻³		5
97	Curcumin loaded mesoporous silica: an effective drug delivery system for cancer treatment. <i>Biomaterials Science</i> , 2016 , 4, 448-59	7.4	83
96	Slow relaxation of magnetization in 3D-MOFs based on dysprosium dinuclear entities bridged by dicarboxylic linkers. <i>CrystEngComm</i> , 2016 , 18, 3055-3063	3.3	24
95	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	8.3	67
94	Controlling interpenetration for tuning porosity and luminescence properties of flexible MOFs based on biphenyl-4,4'-dicarboxylic acid. <i>CrystEngComm</i> , 2016 , 18, 1282-1294	3.3	25
93	Highly Active Anti-Diabetic Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016 , 16, 537-540	3.5	20
92	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, 591-8	4.3	55
91	Synthesis, X-ray characterization, DFT calculations and Hirshfeld surface analysis studies of carbohydrazone based on Zn(II) complexes. <i>CrystEngComm</i> , 2016 , 18, 102-112	3.3	28
90	Luminescence and Magnetic Properties of Two Three-Dimensional Terbium and Dysprosium MOFs Based on Azobenzene-4,4'-Dicarboxylic Linker. <i>Polymers</i> , 2016 , 8,	4.5	7
89	Efficient Hydrosilylation of Acetophenone with a New Anthraquinonic Amide-Based Iron Precatalyst. <i>Organometallics</i> , 2016 , 35, 4083-4089	3.8	18
88	Novel anti-diabetic and luminescent coordination compounds based on vanadium. <i>New Journal of Chemistry</i> , 2016 , 40, 5387-5393	3.6	16
87	A family of acetato-diphenoxo triply bridged dimetallic Zn(II)Ln(III) complexes: SMM behavior and luminescent properties. <i>Dalton Transactions</i> , 2016 , 45, 9712-26	4.3	43
86	Tuning the luminescence performance of metal-organic frameworks based on d10 metal ions: from an inherent versatile behaviour to their response to external stimuli. <i>CrystEngComm</i> , 2016 , 18, 8556-8573 ³		62
85	Irida-ketoimines Derived from Hydrazines To Afford Metallapyrazoles or N-N Bond Cleavage: A Missing Metallacycle Disclosed by a Theoretical and Experimental Study. <i>Inorganic Chemistry</i> , 2016 , 55, 10284-10293	5.1	1
84	Designing Multifunctional 5-Cyanoisophthalate-Based Coordination Polymers as Single-Molecule Magnets, Adsorbents, and Luminescent Materials. <i>Inorganic Chemistry</i> , 2016 , 55, 11230-11248	5.1	45
83	Multifunctional applications of a dysprosium-based metal-organic chain with single-ion magnet behaviour. <i>CrystEngComm</i> , 2016 , 18, 8718-8721	3.3	21
82	Supramolecular interactions through lone pair(lp) and hydrogen bonding in cobalt(III) and manganese(II) derivatives of N,N'-dimethylviolic acid: A combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2015 , 435, 178-186	2.7	10

81	Towards a potential 4,4'-(1,2,4,5-tetrazine-3,6-diyl) dibenzoic spacer to construct metal-organic frameworks. <i>New Journal of Chemistry</i> , 2015 , 39, 6453-6458	3.6	9
80	Bidimensional cadmium metal-organic frameworks based on 1,3-bis(4-pyridyl)propane displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2015 , 91, 47-51	2.7	6
79	Effect of π -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	3.3	24
78	Experimental and theoretical study of photoluminescence and magnetic properties of metal-organic polymers based on squarate and tetrazolate moieties containing linkers. <i>New Journal of Chemistry</i> , 2015 , 39, 9926-9930	3.6	1
77	Tuning the porosity through interpenetration of azobenzene-4,4'-dicarboxylate-based metal-organic frameworks. <i>CrystEngComm</i> , 2015 , 17, 7636-7645	3.3	14
76	Synthesis of Cyclic Carbonates Catalysed by Aluminium Heteroscorpionate Complexes. <i>Chemistry - A European Journal</i> , 2015 , 21, 9850-62	4.8	93
75	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, 6825-38	4.3	27
74	2D-cadmium MOF and gismondine-like zinc coordination network based on the N-(2-tetrazolethyl)-4'-glycine linker. <i>New Journal of Chemistry</i> , 2015 , 39, 3982-3986	3.6	2
73	Stereoselective formation and catalytic activity of hydrido(acylphosphane)(chlorido)(pyrazole)rhodium(III) complexes. Experimental and DFT studies. <i>Dalton Transactions</i> , 2015 , 44, 13141-55	4.3	18
72	Modulating structural dimensionality of cadmium(II) coordination polymers by means of pyrazole, tetrazole and pyrimidine derivative ligands. <i>Journal of Molecular Structure</i> , 2015 , 1089, 135-145	3.4	8
71	On the Reactivity of Dihydridoirida- μ -diketones with 2-Aminopyridines. Formation of Acylhydrido Complexes with New PCN Terdentate Ligands. <i>Organometallics</i> , 2015 , 34, 348-354	3.8	9
70	Long lifetime photoluminescence emission of 3D cadmium metal-organic frameworks based on the 5-(4-pyridyl)tetrazole ligand. <i>Inorganica Chimica Acta</i> , 2015 , 427, 131-137	2.7	15
69	Cation-anion interactions via hydrogen bonding; synthesis, characterization and single crystal X-ray structure of [Cu(phen) ₃](1,3-benzenedisulphonate)·7H ₂ O. <i>Journal of Molecular Structure</i> , 2014 , 1071, 11-17	3.4	8
68	DPDS to DPS in situ transformation at room temperature via a 1,2-nucleophilic addition mechanism. <i>CrystEngComm</i> , 2014 , 16, 8322-8326	3.3	3
67	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, 13509-24	4.3	31
66	Hydrido{(acylphosphine)(diphenylphosphinous acid)}rhodium(III) Complexes. Catalysts for the Homogeneous Hydrolysis of Ammonia- or Amine-Boranes under Air. <i>Organometallics</i> , 2014 , 33, 6044-6052	3.8	14
65	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, 526-34	6.8	47
64	Unique Metal-Organic-Framework with based on 4'-tetrazolate-4-biphenyl carboxylate spacer: Blue-green photoluminescence. <i>Polyhedron</i> , 2014 , 80, 228-232	2.7	8

63	Possibilities with 2-pyrimidinecarbonitrile to design MOFs. <i>Polyhedron</i> , 2014 , 80, 173-179	2.7	6
62	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	4.2	26
61	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	2.7	16
60	Photoluminescence of the first examples of metal-organic frameworks with two novel tetrazolatephenyl acetic acid derivatives: an experimental and theoretical study. <i>CrystEngComm</i> , 2014 , 16, 10492-10496	3.3	1
59	In vivo potential antidiabetic activity of a novel zinc coordination compound based on 3-carboxy-pyrazole. <i>Journal of Inorganic Biochemistry</i> , 2014 , 131, 64-7	4.2	28
58	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	3.3	37
57	Efficient hydrido-iridium-diketone-catalyzed hydrolysis of ammonia- or amine-boranes for hydrogen generation in air. <i>Dalton Transactions</i> , 2013 , 42, 11652-60	4.3	21
56	Novel 3D lanthanum oxalate metal-organic-framework: Synthetic, structural, luminescence and adsorption properties. <i>Polyhedron</i> , 2013 , 52, 315-320	2.7	20
55	Modular structure of a robust microporous MOF based on Cu ₂ paddle-wheels with high CO ₂ selectivity. <i>Chemical Communications</i> , 2013 , 49, 11329-31	5.8	30
54	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. <i>Inorganic Chemistry</i> , 2013 , 52, 546-8	5.1	26
53	Iridium and Rhodium Complexes with the Hemilabile Ligand [2-(1,3-Dioxolane-2-yl)phenyl]diphenylphosphane [Behaviour in Solution and Structural Characterization. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1225-1235	2.3	7
52	Binding of arylsulphonates by cationic cobalt(III) complex: Syntheses, characterization and single crystal structure determination of [Co(phen)2CO3](arylsulphonate) _n H ₂ O. <i>Journal of Molecular Structure</i> , 2013 , 1033, 208-214	3.4	7
51	On the Reactivity of Platinum-Diketone and Acetylplatinum(II) Complexes toward 2-(Diphenylphosphanyl)benzaldehyde and Its Dioxolane Derivative. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5418-5427	2.3	3
50	The first oxalate-based 2D coordination polymer containing the biomimetic ligand 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7-one. <i>Inorganic Chemistry Communication</i> , 2012 , 19, 36-38	3.1	5
49	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	2.7	23
48	[Co(μ ₂ -x)(Hpmtz)] _n 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	2.3	20
47	Novel metal-organic frameworks based on 5-bromonicotinic acid: Multifunctional materials with H ₂ purification capabilities. <i>CrystEngComm</i> , 2012 , 14, 6390	3.3	13
46	Field and dilution effects on the slow relaxation of a luminescent DyO ₉ low-symmetry single-ion magnet. <i>Chemical Communications</i> , 2012 , 48, 7916-8	5.8	189

45	Development of polymeric sensing films based on a tridentate bis(phosphinic amide)-phosphine oxide for detecting europium(III) in water. <i>Dalton Transactions</i> , 2012 , 41, 6735-48	4.3	15
44	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(II) complexes. <i>Dalton Transactions</i> , 2012 , 41, 1755-64	4.3	15
43	Influence of carboxylate counter anions on the cationic framework of 1,10-phenanthroline cobalt(III) complexes: Syntheses, characterization and single crystal structure determination of [Co(phen)2CO3]X.nH2O complexes. <i>Polyhedron</i> , 2012 , 47, 173-181	2.7	3
42	Rational design of ferromagnetic coupled diphenoxycarboxylate triply bridged dinuclear nickel(II) complexes: orbital countercomplementarity of the bridging ligands. <i>Dalton Transactions</i> , 2012 , 41, 14265-73	4.3	25
41	Toward a New Type of Multifunctional Metal-Organic Systems Based on Nucleobase Analogues: First Results Derived From The Use of Aliphatic β -Dicarboxylates. <i>Crystal Growth and Design</i> , 2012 , 12, 3583-3593	3.5	27
40	Synthesis, structure, magnetic properties and DFT calculations of novel bis-(5-tetrazolyl)amine copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2012 , 385, 73-80	2.7	15
39	Solvent-dependent 2D-coordination polymers of Cu(I) containing a bridging triazolopyrimidine ligand. <i>Inorganica Chimica Acta</i> , 2011 , 376, 674-678	2.7	24
38	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	2.7	18
37	Heterometallic Oximate-Bridged Linear Trinuclear Ni(II)M(III)Ni(II) (M(III) = Mn, Fe, Tb) Complexes Constructed with the fac-O3 [Ni(HL)3] Metalloligand (H2L = pyrimidine-2-carboxamide oxime): A Theoretical and Experimental Magneto-Structural Study. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 5225-5232	2.3	16
36	Dinuclear silver(I) complexes for the design of metal-ligand networks based on triazolopyrimidines. <i>Dalton Transactions</i> , 2011 , 40, 11845-55	4.3	40
35	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, 5180-7	4.3	22
34	Influence of the anions on the structure and magnetic properties of a series of bis(diphenoxo)-bridged linear trinuclear copper(II) complexes: an experimental and theoretical study. <i>Dalton Transactions</i> , 2011 , 40, 12462-71	4.3	29
33	In vitro and in vivo antiparasital activity against <i>Trypanosoma cruzi</i> of three novel 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one-based complexes. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 770-6	4.2	42
32	A new 2D cadmium chloride network with 2-aminopyrimidine displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2011 , 30, 1295-1298	2.7	8
31	Biological activity of three novel complexes with the ligand 5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7(4H)-one against <i>Leishmania</i> spp. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 813-9	5.1	35
30	Bis(cyanato- κ)bis-(5,7-dimethyl-1,2,4-triazolo[1,5-a]pyrimidine- κ)zinc. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m345		4
29	Bis(7-amino-1,2,4-triazolo[1,5-a]pyrimidin-4-ium) bis-(oxalato- κ ,O)cuprate(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1531-2		1
28	3d-3d-4f Chain complexes constructed using the dinuclear metallacyclic complex [Ni(2)(mbpb)(3)](2-) [H(2)mbpb = 1,3-bis(pyridine-2-carboxamide)benzene] as a ligand: synthesis, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2010 , 49, 1826-33	5.1	17

27	Theoretical and experimental study of the effectiveness of the 5-pyrimidyl-tetrazolate bridging ligand in mediating magnetic exchange interactions. <i>Inorganic Chemistry</i> , 2010 , 49, 8986-96	5.1	45
26	Influence of pseudohalide ligands on the structural versatility and properties of novel ternary metal complexes with 1,2,4-triazolo[1,5-a]pyrimidine. <i>CrystEngComm</i> , 2010 , 12, 3038	3.3	41
25	A chiral diamondoid 3D lanthanum metal-organic framework displaying blue-greenish long lifetime photoluminescence emission. <i>CrystEngComm</i> , 2010 , 12, 1876	3.3	62
24	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	2.7	13
23	Double and triple stranded mesocates containing the bis(bidentate) bridging ligand 1,3-bis(pyridine-2-carboxamide)benzene. Structure, properties and DNA interaction. <i>New Journal of Chemistry</i> , 2009 , 33, 1901	3.6	11
22	A study of the second coordination sphere in 8-azaxanthinato salts of divalent metal aquacomplexes. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1553-1558	2.7	13
21	Anion encapsulation promoted by anion- π interactions in rationally designed hexanuclear antiferromagnetic wheels: synthesis, structure and magnetic properties. <i>CrystEngComm</i> , 2009 , 11, 2054	3.3	14
20	Structure, magnetism and DFT studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand. <i>Dalton Transactions</i> , 2009 , 6335-44	4.3	43
19	Enhanced ferromagnetic interaction in metallacyclic complexes incorporating m-phenylenediamidato bridges. <i>Dalton Transactions</i> , 2009 , 8538-47	4.3	28
18	Versatile binding behaviour of 4,6-dimethyl-1,2,3-triazolo[4,5-d]-pyrimidin-5,7-dionato in the presence of bipyrimidine. Supramolecular H-bond architectures. <i>Dalton Transactions</i> , 2009 , 10311-7	4.3	3
17	Influence of metal ions, coligands and reaction conditions on the structural versatility and properties of 5-pyrimidyl-tetrazolate containing complexes. <i>Dalton Transactions</i> , 2009 , 9578-86	4.3	38
16	Guest-induced modification of a magnetically active ultramicroporous, gismondine-like, copper(II) coordination network. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3978-84	16.4	140
15	[Re ₂ (micro-1,2,4-triazolate) ₂ (micro-OH)(CO) ₆]-: a novel metalloligand for the construction of flexible porous coordination networks. <i>Dalton Transactions</i> , 2008 , 1825-7	4.3	6
14	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- = 5-(pyrimidyl)tetrazole). <i>Dalton Transactions</i> , 2008 , 2887-93	4.3	42
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, 8143-58	5.1	61
12	Pyridine Vapors Detection by an Optical Fibre Sensor. <i>Sensors</i> , 2008 , 8, 847-859	3.8	24
11	Poly[di-aqua-(μ)-oxalato-di-(μ)-pyrimidine-2-carboxylato-dimanganese(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m618		7
10	Synthesis, X-ray structures and luminescence properties of three multidimensional metal-organic frameworks incorporating the versatile 5-(pyrimidyl)tetrazolate bridging ligand. <i>Dalton Transactions</i> , 2007 , 1821-8	4.3	63

- 9 Self-assembled cationic heterochiral honeycomb-layered metal complexes with the in situ generated pyrimidine-2-carboxylato bidentate ligand. Hydrothermal synthesis, crystal structures, magnetic properties, and theoretical study of $[M_2(\text{micro-pymca})_3]\text{OH}\cdot\text{H}_2\text{O}$ ($M = \text{FeII}, \text{CoII}$). *Inorganic Chemistry*, **2007**, 46, 2503-10 5.1 89
- 8 Crystal structure and magnetic properties of $[\{\text{Cu}(\text{cyclam})\}_3\{\text{Fe}(\text{CN})_6\}_2] \cdot 6\text{H}_2\text{O}$, a cyano-bridged assembly with a rope-ladder chain structure. *Polyhedron*, **2007**, 26, 2859-2863 2.7 13
- 7 A novel 3D cyano-bridged mixed-valence CoII/CoIII canted antiferromagnet constructed from defective cubanes. Synthesis, X-ray structure and magnetic properties. *Dalton Transactions*, **2007**, 2145-9 4.3 17
- 6 $[\text{Zn}(n)(\text{polyox})(\text{pmtz})n]$: the first polyoxalate-containing coordination polymer from an unforeseen chemical rearrangement of 5-pyrimidyl-tetrazole under hydrothermal conditions. *Chemical Communications*, **2006**, 4140-2 5.8 41
- 5 Structural and magnetic diversity in cyano-bridged bi- and trimetallic complexes assembled from cyanometalates and $[\text{M}(\text{rac-CTH})]_{n+}$ building blocks (CTH = d,l-5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane). *Inorganic Chemistry*, **2006**, 45, 10537-51 5.1 55
- 4 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. *Inorganic Chemistry*, **2005**, 44, 8399-406 5.1 59
- 3 Multidimensional Cyanide-Bridged Heterometallic FeII/CuI and Homometallic CuI Coordination Polymers from Solvothermal Reactions Involving either $\text{K}_3[\text{Fe}(\text{CN})_6]$ or KCN as the Source of Cyanide Anions. *European Journal of Inorganic Chemistry*, **2005**, 2005, 2860-2868 2.3 19
- 2 Hydrothermal syntheses, crystal structures, and properties of two-dimensional homo- and heterometallic cyanide-bridged complexes: $[\text{Cu}_2(\text{CN})_2(\text{bpym})]$ and $[\text{Fe}(\text{bipy})_2(\text{CN})_4\text{Cu}_2]$ (bpym = 2,2'-bipyrimidine, bipy = 2,2'-bipyridine). *Inorganic Chemistry*, **2003**, 42, 4209-14 5.1 53
- 1 A tris-imidazolecarboxyaldehyde copper(II) complex with unusual carbonyl co-ordination: structure and reactivity. *Dalton Transactions RSC*, **2002**, 561-565 13