

Luis Cunha-Silva

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167 papers	3,993 citations	36 h-index	54 g-index
175 ext. papers	4,443 ext. citations	4.2 avg, IF	5.42 L-index

#	Paper	IF	Citations
167	Interconvertible modular framework and layered lanthanide(III)-etidronic acid coordination polymers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 150-67	16.4	148
166	Catalytic oxidative desulfurization systems based on Keggin phosphotungstate and metal-organic framework MIL-101. <i>Fuel Processing Technology</i> , 2013 , 116, 350-357	7.2	138
165	An efficient oxidative desulfurization process using terbium-polyoxometalate@MIL-101(Cr). <i>Catalysis Science and Technology</i> , 2013 , 3, 2404	5.5	118
164	Desulfurization of model diesel by extraction/oxidation using a zinc-substituted polyoxometalate as catalyst under homogeneous and heterogeneous (MIL-101(Cr) encapsulated) conditions. <i>Fuel Processing Technology</i> , 2015 , 131, 78-86	7.2	114
163	Photoluminescent 3D Lanthanide-Organic Frameworks with 2,5-Pyridinedicarboxylic and 1,4-Phenylenediacetic Acids. <i>Crystal Growth and Design</i> , 2008 , 8, 2505-2516	3.5	109
162	Catalytic oxidative/extractive desulfurization of model and untreated diesel using hybrid based zinc-substituted polyoxometalates. <i>Fuel</i> , 2016 , 166, 268-275	7.1	93
161	Photoluminescent lanthanide-organic bilayer networks with 2,3-pyrazinedicarboxylate and oxalate. <i>Inorganic Chemistry</i> , 2010 , 49, 3428-40	5.1	92
160	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , 2013 , 453, 316-326	5.1	90
159	Novel composite material polyoxovanadate@MIL-101(Cr): a highly efficient electrocatalyst for ascorbic acid oxidation. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 13382-90	9.5	89
158	A high-nuclearity 3d/4f metal oxime cluster: an unusual Ni(8)Dy(8) "core-shell" complex from the use of 2-pyridinealldoxime. <i>Inorganic Chemistry</i> , 2010 , 49, 9743-5	5.1	87
157	Multi-functional rare-earth hybrid layered networks: photoluminescence and catalysis studies. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2618		85
156	Influence of a porous MOF support on the catalytic performance of Eu-polyoxometalate based materials: desulfurization of a model diesel. <i>Catalysis Science and Technology</i> , 2016 , 6, 1515-1522	5.5	79
155	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). <i>Chemical Communications</i> , 2015 , 51, 13818-21	5.8	78
154	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). <i>Catalysis Science and Technology</i> , 2014 , 4, 1416	5.5	71
153	Synthesis, characterization and antibacterial studies of a copper(II) levofloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2012 , 110, 64-71	4.2	70
152	Three-Dimensional Lanthanide-Organic Frameworks Based on Di-, Tetra-, and Hexameric Clusters. <i>Crystal Growth and Design</i> , 2009 , 9, 2098-2109	3.5	70
151	Novel polyoxometalate silica nano-sized spheres: efficient catalysts for olefin oxidation and the deep desulfurization process. <i>Dalton Transactions</i> , 2014 , 43, 9518-28	4.3	66

150	Photoluminescent Lanthanide-Organic 2D Networks: A Combined Synchrotron Powder X-ray Diffraction and Solid-State NMR Study. <i>Chemistry of Materials</i> , 2007 , 19, 3527-3538	9.6	65
149	One-Dimensional Coordination Polymers with Phenyl-carborane Anions: Ag(I)/4,4'-Bipyridine and 2,3-Bis-(2-pyridyl)pyrazine Complexes. <i>Crystal Growth and Design</i> , 2007 , 7, 658-667	3.5	61
148	Catalytic performance and electrochemical behaviour of Metal-Organic frameworks: MIL-101(Fe) versus NH2-MIL-101(Fe). <i>Polyhedron</i> , 2017 , 127, 464-470	2.7	55
147	Multifunctional catalyst based on sandwich-type polyoxotungstate and MIL-101 for liquid phase oxidations. <i>Catalysis Today</i> , 2013 , 210, 142-148	5.3	50
146	Novel Mn(II)-Based Metal-Organic Frameworks Isolated in Ionic Liquids. <i>Crystal Growth and Design</i> , 2013 , 13, 1260-1266	3.5	49
145	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni ₁₂ complex from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2008 , 3153-5	4.3	47
144	Coordination Networks with Carborane Anions: Ag(I) and Nitrogen Bridging Ligands. <i>Australian Journal of Chemistry</i> , 2006 , 59, 40	1.2	47
143	Large Energy Barrier and Magnetization Hysteresis at 5 K for a Symmetric {Dy} Complex with Spherical Tricapped Trigonal Prismatic Dy Ions. <i>Inorganic Chemistry</i> , 2017 , 56, 3568-3578	5.1	46
142	Phosphotungstates as catalysts for monoterpenes oxidation: Homo- and heterogeneous performance. <i>Catalysis Today</i> , 2013 , 203, 95-102	5.3	46
141	Fluoroquinolone-metal complexes: a route to counteract bacterial resistance?. <i>Journal of Inorganic Biochemistry</i> , 2014 , 138, 129-143	4.2	43
140	Synthesis and catalytic properties of molybdenum(VI) complexes with tris(3,5-dimethyl-1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , 2011 , 50, 3490-500	5.1	42
139	Zinc-Substituted Polyoxotungstate@amino-MIL-101(Al) [An Efficient Catalyst for the Sustainable Desulfurization of Model and Real Diesels. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5114-5122	5.2	41
138	A new family of Ln ^{III} clusters with an ideal D(3h) metal-centered trigonal prismatic geometry, and SMM and photoluminescence behaviors. <i>Dalton Transactions</i> , 2014 , 43, 11456-60	4.3	40
137	Tetranuclear lanthanide(III) complexes with a zigzag topology from the use of pyridine-2,6-dimethanol: synthetic, structural, spectroscopic, magnetic and photoluminescence studies. <i>Inorganic Chemistry</i> , 2014 , 53, 3220-9	5.1	40
136	Fluorescent naphthalene diols as bridging ligands in Ln(III) cluster chemistry: synthetic, structural, magnetic, and photophysical characterization of Ln(III) ₈ "Christmas stars". <i>Inorganic Chemistry</i> , 2014 , 53, 5420-2	5.1	38
135	Slow magnetization relaxation in unprecedented Mn(III) ₄ Dy(III) ₃ and Mn(III) ₄ Dy(III) ₅ clusters from the use of N-salicylidene-o-aminophenol. <i>Inorganic Chemistry</i> , 2013 , 52, 1179-81	5.1	38
134	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. <i>Polyhedron</i> , 2013 , 52, 10-24	2.7	37
133	Noble-Metal-Free MOF-74-Derived Nanocarbons: Insights on Metal Composition and Doping Effects on the Electrocatalytic Activity Toward Oxygen Reactions. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1854-1867	6.1	37

132	Novel heterogeneous catalysts based on lanthanopolyoxometalates supported on MIL-101(Cr). <i>Catalysis Today</i> , 2013 , 218-219, 35-42	5.3	36
131	Dodecanuclear 3d/4f-metal clusters with a 'Star of David' topology: single-molecule magnetism and magnetocaloric properties. <i>Chemical Communications</i> , 2016 , 52, 1693-6	5.8	35
130	Synthesis, characterization and antibacterial studies of a copper(II) lomefloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2014 , 131, 21-9	4.2	34
129	In search of 3d/4f-metal single-molecule magnets: Nickel(II)/lanthanide(III) coordination clusters. <i>Pure and Applied Chemistry</i> , 2013 , 85, 315-327	2.1	34
128	A family of 'windmill'-like {CuLn} complexes exhibiting single-molecule magnetism behavior and large magnetic entropy changes. <i>Chemical Communications</i> , 2017 , 53, 4266-4269	5.8	33
127	Hydrogen-Bonded 3-D Network Structures of Lanthanide Aquo Ions and 4,4'-Bipyridine with Carbaborane Anions. <i>Crystal Growth and Design</i> , 2006 , 6, 726-735	3.5	33
126	Mono-substituted silicotungstates as active catalysts for sustainable oxidations: homo- and heterogeneous performance. <i>New Journal of Chemistry</i> , 2013 , 37, 2341	3.6	31
125	Synthesis and characterization of the inclusion compound of a methyltrioxorhenium(VII) adduct of 4-ferrocenylpyridine with β -cyclodextrin. <i>Journal of Organometallic Chemistry</i> , 2002 , 656, 281-287	2.3	30
124	Advanced framework-modified POM@ZIF-67 nanocomposites as enhanced oxygen evolution reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13509-13521	13	29
123	Novel binuclear Cu(II) complexes combining a semicarbazone Schiff base with distinct bridging ligands: Structure and antimicrobial activity. <i>Polyhedron</i> , 2013 , 57, 118-126	2.7	29
122	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. <i>Electrochimica Acta</i> , 2013 , 87, 853-859	6.7	29
121	Silver-Dabco Coordination Networks with Distinct Carbaborane Anions: Investigating Ag ⁺ ⋯HB and Ag ⁺ ⋯B Interactions. <i>Crystal Growth and Design</i> , 2013 , 13, 3162-3170	3.5	28
120	Mesoporous nanosilica-supported polyoxomolybdate as catalysts for sustainable desulfurization. <i>Microporous and Mesoporous Materials</i> , 2019 , 275, 163-171	5.3	27
119	Oxygen Evolution Reaction Electrocatalytic Improvement in Nanocomposites: A Bidirectional Synergistic Effect. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2925-2934	6.1	26
118	Metal-Organic Frameworks Assembled From Erbium Tetramers and 2,5-Pyridinedicarboxylic Acid. <i>Crystal Growth and Design</i> , 2013 , 13, 2607-2617	3.5	25
117	An efficient eco-sustainable oxidative desulfurization process using Exo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. <i>Applied Catalysis A: General</i> , 2014 , 478, 267-274	5.1	24
116	The influence of 1-alkyl-3-methyl imidazolium ionic liquids on a series of cobalt-1,4-benzenedicarboxylate metal-organic frameworks. <i>CrystEngComm</i> , 2014 , 16, 10649-10657	3.3	24
115	Discrimination of fluorescence light-up effects induced by pH and metal ion chelation on a spirocyclic derivative of rhodamine B. <i>Dalton Transactions</i> , 2013 , 42, 6110-8	4.3	24

114	Novel pseudohalide-bridged Cu(II) complexes with a hydrazone ligand: Evaluation of antimicrobial activity. <i>Polyhedron</i> , 2014 , 80, 166-172	2.7	23
113	A lanthanide MOF immobilized in PMMA transparent films as a selective fluorescence sensor for nitroaromatic explosive vapours. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3626-3630	7.1	22
112	Effect on selective adsorption of ethane and ethylene of the polyoxometalates impregnation in the metal-organic framework MIL-101. <i>Adsorption</i> , 2014 , 20, 533-543	2.6	21
111	Preparation of Luminescent Metal-Organic Framework Films by Soft-Imprinting for 2,4-Dinitrotoluene Sensing. <i>Materials</i> , 2017 , 10,	3.5	21
110	Europium Polyoxometalates Encapsulated in Silica Nanoparticles [Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2877-2886	2.3	21
109	Emissive {Mn ⁴ (III)Ca} clusters with square pyramidal topologies: syntheses and structural, spectroscopic, and physicochemical characterization. <i>Inorganic Chemistry</i> , 2015 , 54, 2137-51	5.1	20
108	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. <i>Energies</i> , 2018 , 11, 1696	3.1	20
107	Subppm Amine Detection via Absorption and Luminescence Turn-On Caused by Ligand Exchange in Metal Organic Frameworks. <i>Analytical Chemistry</i> , 2019 , 91, 15853-15859	7.8	20
106	New classes of ferromagnetic materials with exclusively end-on azido bridges: from single-molecule magnets to 2 D molecule-based magnets. <i>Chemistry - A European Journal</i> , 2014 , 20, 13860-4	4.8	20
105	Isoxazolidine-fused meso-tetraarylchlorins as key tools for the synthesis of mono- and bis-annulated chlorins. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 7131-5	3.9	20
104	New structural topologies in 4f-metal cluster chemistry from vertex-sharing butterfly units: {LnIII ₇ } complexes exhibiting slow magnetization relaxation and ligand-centred emissions. <i>RSC Advances</i> , 2015 , 5, 92534-92538	3.7	20
103	Dinuclear lanthanide(III) complexes by metal-ion-assisted hydration of di-2-pyridyl ketone azine. <i>Inorganic Chemistry</i> , 2013 , 52, 4145-7	5.1	20
102	Synchrotron powder structure of a new layered lanthanide-organic network. <i>Zeitschrift für Kristallographie</i> , 2009 , 224,		20
101	Insights into electronic and structural properties of novel Pd(II) salen-type complexes. <i>Inorganica Chimica Acta</i> , 2010 , 363, 4096-4107	2.7	20
100	Solid State Inclusion of the Nonionic Surfactant C12E4 in β -Cyclodextrin, at Various Humidities: A Combined Raman and ¹³ C CP MAS NMR Study. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3323-3328	3.4	20
99	Chromium(III), manganese(II) and iron(III) complexes based on hydrazone Schiff-base and azide ligands: synthesis, crystal structure and antimicrobial activity. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 696-708	1.6	19
98	Design and synthesis of photoactive ionic liquids. <i>Organic Letters</i> , 2014 , 16, 2582-5	6.2	19
97	All three-in-one [ferromagnetic interactions, single-molecule magnetism and magnetocaloric properties in a new family of [Cu ₄ Ln] (LnIII = Gd, Tb, Dy) clusters. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 945-948	6.8	19

96	"Ligands-with-Benefits": Naphthalene-Substituted Schiff Bases Yielding New Ni(II) Metal Clusters with Ferromagnetic and Emissive Properties and Undergoing Exciting Transformations. <i>Inorganic Chemistry</i> , 2016 , 55, 1270-7	5.1	18
95	How humidity affects the solid-state inclusion of 2-phenoxyethanol in β -cyclodextrin: a comparison with β -cyclodextrin. <i>New Journal of Chemistry</i> , 2004 , 28, 200-206	3.6	18
94	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , 2016 , 234, 248-256	5.3	17
93	Straightforward activation of metal-organic framework UiO-66 for oxidative desulfurization processes. <i>Catalysis Today</i> , 2021 , 362, 28-34	5.3	17
92	Improved catalytic performance of porous metal-organic frameworks for the ring opening of styrene oxide. <i>CrystEngComm</i> , 2017 , 19, 4219-4226	3.3	16
91	Influence of UiO-66(Zr) Preparation Strategies in Its Catalytic Efficiency for Desulfurization Process. <i>Materials</i> , 2019 , 12,	3.5	16
90	Approaches to Molecular Magnetic Materials from the Use of Cyanate Groups in Higher Oxidation State Metal Cluster Chemistry: Mn ^{IV} and Mn ^{VI} . <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2286-2290	2.3	16
89	Synthesis, crystal structures, spectroscopic and electrochemical studies on Cu(II) and Ni(II) complexes with compartmental nitrogen-oxygen mixed donor ligands. <i>Polyhedron</i> , 2014 , 80, 41-46	2.7	15
88	SiW ₁₁ Fe@MIL-101(Cr) Composite: A Novel and Versatile Electrocatalyst. <i>ChemElectroChem</i> , 2014 , 1, 1293-1300	4.3	15
87	Novel tetradentate chelators derived from 3-hydroxy-4-pyridinone units: synthesis, characterization and aqueous solution properties. <i>Tetrahedron</i> , 2011 , 67, 4009-4016	2.4	15
86	Heterodimetallic germanium(IV) complex structures with transition metals. <i>Inorganic Chemistry</i> , 2007 , 46, 6502-15	5.1	15
85	Aqueous Solution Inclusion of the Nonionic Surfactant C ₁₂ E ₄ in β -cyclodextrin: Implications of Micellization in Stoichiometry Determination and Model Calculations. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 43, 127-131		15
84	Heterometallic Cu/Ln cluster chemistry: ferromagnetically-coupled {CuLn} complexes exhibiting single-molecule magnetism and magnetocaloric properties. <i>Dalton Transactions</i> , 2018 , 47, 11934-11941	4.3	14
83	Chemistry and photochemistry of 2,6-bis(2-hydroxybenzylidene)cyclohexanone. An example of a compound following the anthocyanins network of chemical reactions. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6208-15	2.8	14
82	3D-2D-0D stepwise deconstruction of a water framework templated by a nanoporous organic-inorganic hybrid host. <i>Chemistry - A European Journal</i> , 2010 , 16, 7741-9	4.8	14
81	The "periodic table" of di-2-pyridyl ketone: vanadium complexes. <i>Dalton Transactions</i> , 2012 , 41, 11984-8	4.3	13
80	Structural diversity in Ni(II) cluster chemistry: Ni ₅ , Ni ₆ , and {NiNa ₂ } _n complexes bearing the Schiff-base ligand N-naphthalidene-2-amino-5-chlorobenzoic acid. <i>Dalton Transactions</i> , 2016 , 45, 10256-70	4.3	13
79	In search of molecules displaying ferromagnetic exchange: multiple-decker Ni and Ni complexes from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2016 , 45, 17409-17419	4.3	13

78	A sustainable peroxophosphomolybdate/H ₂ O ₂ system for the oxidative removal of organosulfur compounds from simulated and real high-sulfur diesels. <i>Applied Catalysis A: General</i> , 2020 , 589, 117154	5.1	13
77	Luminescent MOF crystals embedded in PMMA/PDMS transparent films as effective NO ₂ gas sensors. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 1048-1056	4.6	12
76	"Molecular Nanoclusters": A 2-nm-Sized {Mn} Cluster with a Spherical Structure. <i>Inorganic Chemistry</i> , 2016 , 55, 12118-12121	5.1	12
75	Distinctive EPR signals provide an understanding of the affinity of bis-(3-hydroxy-4-pyridinonato) copper(II) complexes for hydrophobic environments. <i>Dalton Transactions</i> , 2014 , 43, 9722-31	4.3	12
74	Exploring Ag ⁺ /H ⁺ B interactions in coordination polymers: silver ⁺ /alkanedinitrile networks with cobalt carbaborane anions. <i>CrystEngComm</i> , 2012 , 14, 3367	3.3	12
73	Cobalt(III) sepulchrate complexes: application as sustainable oxidative catalysts. <i>New Journal of Chemistry</i> , 2014 , 38, 2500-2507	3.6	11
72	Catalytic performance of a boron peroxotungstate complex under homogeneous and heterogeneous conditions. <i>Catalysis Today</i> , 2013 , 203, 87-94	5.3	11
71	Two novel supramolecular organic/inorganic adducts containing dibenzo-30-crown-10 and H ₃ PM ₁₂ O ₄₀ (M=W or Mo). <i>Journal of Molecular Structure</i> , 2008 , 888, 99-106	3.4	11
70	1,3-Dipolar cycloadditions with meso-tetraarylchlorins: site selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 534-544	5.2	10
69	Structural Diversities in Heterometallic Mn-Ca Cluster Chemistry from the Use of Salicylhydroxamic Acid: {MnCa}, {MnCa}, {MnCa}, and {MnCa} Complexes with Relevance to Both High- and Low-Valent States of the Oxygen-Evolving Complex. <i>Inorganic Chemistry</i> , 2017 , 56, 10760-10774	5.1	10
68	Kinetic and thermodynamic study of 2'-hydroxy-8-methoxyflavylum. Reaction network interconverting flavylum cation and flavanone. <i>RSC Advances</i> , 2013 , 3, 10786	3.7	10
67	Supramolecular salts containing the anionic [Ge(C ₂ O ₄) ₃] ²⁻ complex and heteroaromatic amines. <i>Inorganica Chimica Acta</i> , 2009 , 362, 263-270	2.7	10
66	Solid-state inclusion compounds of small amphiphilic molecules (C _n Em) in β -cyclodextrin: a study at defined relative humidities. <i>New Journal of Chemistry</i> , 2005 , 29, 1335	3.6	10
65	Cr-based MOF/IL composites as fillers in mixed matrix membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2021 , 276, 119303	8.3	10
64	Cobalt aluminate nanoparticles supported on MIL-101 structure: catalytic performance investigation. <i>RSC Advances</i> , 2015 , 5, 4175-4183	3.7	9
63	Tuning the limits of pH interference of a rhodamine ion sensor by introducing catechol and 3-hydroxy-4-pyridinone chelating units. <i>Dyes and Pigments</i> , 2014 , 110, 193-202	4.6	9
62	Oxidomolybdenum complexes for acid catalysis using alcohols as solvents and reactants. <i>Catalysis Science and Technology</i> , 2016 , 6, 5207-5218	5.5	9
61	Dichlorodioxomolybdenum(VI) complexes bearing oxygen-donor ligands as catalysts for oxidative desulfurization of simulated and real diesel. <i>Catalysis Communications</i> , 2019 , 128, 105704	3.2	8

60	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. <i>Inorganic Chemistry</i> , 2019 , 58, 9581-9585	5.1	8
59	Redox behaviour, electrochromic properties and photoluminescence of potassium lanthano phosphomolybdate sandwich-type compounds. <i>RSC Advances</i> , 2013 , 3, 16697	3.7	8
58	Phase-dependent photochromism of a lactone-stabilized chromene from a flavylum reaction network. <i>Chemistry - A European Journal</i> , 2011 , 17, 3663-71	4.8	8
57	Inclusion complexes of 2-phenoxyethanol and alkoxyethanols in cyclodextrins: an ¹ H NMR study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 57, 151-156		8
56	A novel germanium(IV) oxalate complex: [Ge(OH) ₂ (C ₂ O ₄) ₂] ₂ · <i>Inorganic Chemistry Communication</i> , 2008 , 11, 283-287	3.1	8
55	New hydrophilic 3-hydroxy-4-pyridinone chelators with ether-derived substituents: Synthesis and evaluation of analytical performance in the determination of iron in waters. <i>Polyhedron</i> , 2019 , 160, 145-156	2.7	7
54	Synthesis and coordination studies of 5-(4?-carboxyphenyl)-10,15,20-tris(pentafluorophenyl)porphyrin and its pyrrolidine-fused chlorin derivative. <i>New Journal of Chemistry</i> , 2018 , 42, 8169-8179	3.6	7
53	A square planar nickel(II) complex derived from a unique metal ion-promoted transformation of 2-benzoylpyridine. <i>Inorganic Chemistry Communication</i> , 2016 , 64, 53-55	3.1	7
52	Gabapentin Coordination Networks: Mechanochemical Synthesis and Behavior under Shelf Conditions. <i>Crystal Growth and Design</i> , 2013 , 13, 5007-5017	3.5	7
51	Synthesis, structure and electrochemistry behavior of a cobalt(III) compound with azide and methyl 2-pyridyl ketone semicarbazone ligands. <i>Journal of Molecular Structure</i> , 2013 , 1045, 55-61	3.4	7
50	First Crystal Structures of the Antihypertensive Drug Perindopril Erbumine: A Novel Hydrated Form and Polymorphs. <i>Crystal Growth and Design</i> , 2011 , 11, 3703-3706	3.5	7
49	Crystal and supramolecular structures of dioxomolybdenum(VI) and dioxotungsten(VI) complexes of dihydroxybenzoic acids. <i>Polyhedron</i> , 2010 , 29, 719-730	2.7	7
48	An Effective Hybrid Heterogeneous Catalyst to Desulfurize Diesel: Peroxotungstate@Metal-Organic Framework. <i>Molecules</i> , 2020 , 25,	4.8	7
47	Decorating MOF-74-derived nanocarbons with a sandwich-type polyoxometalate to enhance their OER activity: Exploring the underestimated bulk-deposition approach. <i>Electrochimica Acta</i> , 2021 , 389, 138719	6.7	7
46	Molybdenum(0) tricarbonyl and tetracarbonyl complexes with a cationic pyrazolylpyridine ligand: synthesis, crystal structures and catalytic performance in olefin epoxidation.. <i>RSC Advances</i> , 2018 , 8, 16294-16302	3.7	6
45	The Influence of the Amide Linkage in the Fe(III) -Binding Properties of Catechol-Modified Rosamine Derivatives. <i>Chemistry - A European Journal</i> , 2015 , 21, 15692-704	4.8	6
44	Unidirectional switching between two flavylum reaction networks by the action of alternate stimuli of acid and base. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 372-80	2.8	6
43	Deca-aquadioxobis[β-N-(phosphonomethyl)iminodiacetato]dimanganesedivanadium dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m372-m375		6

42	Isomerization of glucose to fructose catalyzed by metal-organic frameworks. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 3847-3857	5.8	6
41	Synthesis and structural characterization, by spectroscopic and computational methods, of two fluorescent 3-hydroxy-4-pyridinone chelators bearing sulphorhodamine B and naphthalene. <i>RSC Advances</i> , 2016 , 6, 4200-4211	3.7	5
40	Sandwich lanthano-silicotungstates: Structure, electrochemistry and photoluminescence properties. <i>Polyhedron</i> , 2013 , 52, 308-314	2.7	5
39	5-Amino-1H-1,2,4-triazol-4-ium-3-carboxyl-ate hemihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o2073-4		5
38	Exploring the diethylaminoflavylum derivatives multistate system of chemical reactions in the presence of CTAB micelles: thermodynamic reversibility achieved through different kinetic pathways. <i>RSC Advances</i> , 2017 , 7, 30469-30480	3.7	4
37	New structural motifs in Mn cluster chemistry from the ketone/gem-diol and bis(gem-diol) forms of 2,6-di-(2-pyridylcarbonyl)pyridine: {MnII4MnIII2} and {MnII4MnIII6} complexes. <i>RSC Advances</i> , 2016 , 6, 105969-105979	3.7	4
36	Synthesis of Pyridyl and N-Methylpyridinium Analogues of Rosamines: Relevance of Solvent and Charge on Their Photophysical Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 15073-15082	4.8	4
35	Phase transition thermochromism based on CBr acidity of 4-alkylflavylum compounds in Pluronic F-127. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16628		4
34	Reversible Protonation of Porphyrinic Metal-Organic Frameworks Embedded in Nanoporous Polydimethylsiloxane for Colorimetric Sensing. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001759	4.6	4
33	Synergistic combination of the nanoporous system of MOF-808 with a polyoxomolybdate to design an effective catalyst: simultaneous oxidative desulfurization and denitrogenation processes. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4032-4040	5.8	4
32	Synthesis and characterization of two fluorescent isophthalate rosamines: From solution to immobilization in solid substrates. <i>Dyes and Pigments</i> , 2018 , 157, 405-414	4.6	3
31	Multidimensional transition metal complexes based on 3-amino-1H-1,2,4-triazole-5-carboxylic acid: from discrete mononuclear complexes to layered materials. <i>Molecules</i> , 2015 , 20, 12341-63	4.8	3
30	Redetermination of dipotassium [bis[aqua(oxalato- λ O, λ O')dioxomolybdate(VI)] at 150 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m376-m378		3
29	Synthesis, structure and magnetic behaviour of mixed metal leucophosphite. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1330-1336	3.3	3
28	A silicododecamolybdate/pyridinium-tetrazole hybrid molecular salt as a catalyst for the epoxidation of bio-derived olefins. <i>Inorganica Chimica Acta</i> , 2021 , 516, 120129	2.7	3
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26	Design of a Water Soluble Fluorescent 3-Hydroxy-4-Pyridinone Ligand Active at Physiological pH Values. <i>Journal of Fluorescence</i> , 2016 , 26, 1773-85	2.4	2
25	5-Amino-3-(4H-1,2,4-triazol-4-yl)-1H-1,2,4-triazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2700-1		2

24	Removing Simultaneously Sulfur and Nitrogen from Fuel under a Sustainable Oxidative Catalytic System. <i>Sustainable Chemistry</i> , 2021 , 2, 382-391	3.6	2
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21	A hydrogen-bonded assembly of cucurbit[6]uril and [MoOCl(HO)] with catalytic efficacy for the one-pot conversion of olefins to alkoxy products. <i>Dalton Transactions</i> , 2019 , 48, 11508-11519	4.3	1
20	A novel dinuclear MoVI complex with tris(3,5-dimethyl-1H-pyrazol-1-yl)methane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, m73-5		1
19	A new supramolecular organic/inorganic adduct: {[Eu(CH ₃ OH)(H ₂ O) ₈] ₂ [Eu(H ₂ O) ₈][PW ₁₂ O ₄₀] ₃ }] ₂ (C ₁₄ H ₂₀ O ₅) ₂ (C ₂₈ H ₄₀ O ₁₀) ₂ (CH ₃ OH) ₂ (H ₂ O). <i>Journal of Molecular Structure</i> , 2011 , 989, 80-85	3.4	1
18	Catalytic Performance of Copper-Substituted Polyoxotungstate Materials and X-Ray Structure of a New Sandwich-Type Compound. <i>Materials Science Forum</i> , 2008 , 587-588, 538-542	0.4	1
17	Decaqua-dioxidobis[(B)-N-(phospho-n-atometh-yl)imino-diacetato]-dizinc(II)-divanadium(IV) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 64, m39-40		1
16	Poly[[aqua-(B)-picolinato-(D)-picolinato-dipicolinatopotassium(I)terbium(III)] 2.5-hydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m529-30		1
15	Crystal structure of 5-amino-4H-1,2,4-triazol-1-ium pyrazine-2-carboxyl-ate: an unexpected salt arising from the deca-rboxylation of both precursors. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 840-3	0.7	1
14	Polyoxometalates-Based Nanocatalysts for Production of Sulfur-Free Diesel. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016 , 426-458	0.2	1
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12	The dehydrated copper silicate Na ₂ [Cu(2)Si(4)O(11)]: a three-dimensional microporous framework with a linear Si-O-Si linkage. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, i13-i14		1
11	Membrane-Supported Layered Coordination Polymer as an Advanced Sustainable Catalyst for Desulfurization. <i>Molecules</i> , 2021 , 26,	4.8	1
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7	Porous Metal-Organic Framework Materials: Microwave Assisted Synthesis and Oxidative Catalytic Tests. <i>Materials Science Forum</i> , 2012 , 730-732, 1024-1029	0.4	0

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| 6 | Hf-Based UiO-66 as Adsorptive Compound and Oxidative Catalyst for Denitrogenation Processes. <i>Compounds</i> , 2021 , 1, 3-14 | | 0 |
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| 1 | Polyoxometalates-Based Nanocatalysts and Their Efficiency for Production of Sulfur-Free Diesel. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020 , 92-133 | 0.2 | |