

# Ricardo F Mendes

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,407  
citations

430754

18  
h-index

345118

36  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanide-based complexes as efficient physiological temperature sensors. <i>Materials Chemistry and Physics</i> , 2022, 277, 125424.	2.0	14
2	Virus meet metal-organic frameworks: A nanoporous solution to a world-sized problem?. <i>Materials Today</i> , 2021, 43, 84-98.	8.3	17
3	Multifunctionality in an Ion-Exchanged Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 1365-1376.	6.6	31
4	Versatile Coordination Polymer Catalyst for Acid Reactions Involving Biobased Heterocyclic Chemicals. <i>Catalysts</i> , 2021, 11, 190.	1.6	8
5	New triazine bridged triads based on BODIPY-porphyrin systems: Extended absorption, efficient energy transfer and upconverted emission. <i>Dyes and Pigments</i> , 2021, 187, 109137.	2.0	4
6	Membrane-Supported Layered Coordination Polymer as an Advanced Sustainable Catalyst for Desulfurization. <i>Molecules</i> , 2021, 26, 2404.	1.7	3
7	Comparison of the Photodynamic Action of Porphyrin, Chlorin, and Isobacteriochlorin Derivatives toward a Melanotic Cell Line. <i>ACS Applied Bio Materials</i> , 2021, 4, 4925-4935.	2.3	10
8	Solketal Production via Solvent-Free Acetalization of Glycerol over Triphosphonic-Lanthanide Coordination Polymers. <i>Catalysts</i> , 2021, 11, 598.	1.6	11
9	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35469-35483.	4.0	10
10	Hemi-synthesis, in-vitro and in-silico bioactivities of new chiral-Schiff bases and benzodiazepine derivatives from <i>Ammodaucus leucotrichus</i> (S)-perillaldehyde. <i>Journal of Molecular Structure</i> , 2021, 1241, 130690.	1.8	6
11	Novel bis-(3-cyano-2-pyridones) derivatives: synthesis and fluorescent properties. <i>Research on Chemical Intermediates</i> , 2021, 47, 1331-1348.	1.3	4
12	A 5-(2-Pyridyl)tetrazolate Complex of Molybdenum(VI), Its Structure, and Transformation to a Molybdenum Oxide-Based Hybrid Heterogeneous Catalyst for the Epoxidation of Olefins. <i>Catalysts</i> , 2021, 11, 1407.	1.6	7
13	A Suitable Functionalization of Nitroindazoles with Triazolyl and Pyrazolyl Moieties via Cycloaddition Reactions. <i>Molecules</i> , 2020, 25, 126.	1.7	3
14	High Catalytic Efficiency of a Layered Coordination Polymer to Remove Simultaneous Sulfur and Nitrogen Compounds from Fuels. <i>Catalysts</i> , 2020, 10, 731.	1.6	12
15	Metal-organic frameworks: a future toolbox for biomedicine?. <i>Chemical Society Reviews</i> , 2020, 49, 9121-9153.	18.7	130
16	Pyrene Tetrakisphosphate-Based Metal-Organic Framework: Structure and Photoluminescence. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3565-3572.	1.0	1
17	Frontispiece: Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
18	Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2020, 26, 15416-15437.	1.7	5

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19	Enhanced proton conductivity in a layered coordination polymer. <i>Chemical Science</i> , 2020, 11, 6305-6311.	3.7	26
20	Microwave synthesis of metal-organic frameworks. , 2020, , 159-176.		1
21	Multifunctionality and cytotoxicity of a layered coordination polymer. <i>Dalton Transactions</i> , 2020, 49, 3989-3998.	1.6	5
22	Easy Processing of Metal-Organic Frameworks into Pellets and Membranes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 798.	1.3	6
23	Multicomponent and 1,3-dipolar cycloaddition synthesis of triazole- and isoxazole-acridinedione/xanthenedione heterocyclic hybrids: Cytotoxic effects on human cancer cells. <i>Journal of Molecular Structure</i> , 2020, 1217, 128325.	1.8	21
24	Coordination Polymers Based on a Biphenyl Tetrakisphosphonate Linker: Synthesis Control and Photoluminescence. <i>Molecules</i> , 2020, 25, 1835.	1.7	0
25	Oxidation of tellurium dyes induced by mercury: More insights on the naked-eye and fluorescent Hg <sup>2+</sup> detection. <i>Dyes and Pigments</i> , 2019, 160, 208-216.	2.0	13
26	Synthesis and characterization of photoactive porphyrin and poly(2-hydroxyethyl methacrylate) based materials with bactericidal properties. <i>Applied Materials Today</i> , 2019, 16, 332-341.	2.3	22
27	Boosting Drug Discovery for Parkinson's: Enhancement of the Delivery of a Monoamine Oxidase-B Inhibitor by Brain-Targeted PEGylated Polycaprolactone-Based Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 331.	2.0	11
28	New nitroindazolylacetonitriles: efficient synthetic access via vicarious nucleophilic substitution and tautomeric switching mediated by anions. <i>New Journal of Chemistry</i> , 2019, 43, 14355-14367.	1.4	8
29	Hemi-Synthesis of Chiral Imine, Benzimidazole and Benzodiazepines from Essential Oil of <i>Ammodaucus leucotrichus</i> subsp. <i>leucotrichus</i> . <i>Molecules</i> , 2019, 24, 975.	1.7	10
30	A Reusable Eu <sup>3+</sup> Complex for Naked-Eye Discrimination of Methanol from Ethanol with a Ratiometric Fluorimetric Equilibrium in Methanol/Ethanol Mixtures. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4727-4734.	1.0	4
31	Synthesis and Biological Evaluation of New Functionalized Nitroindazolylacetonitrile Derivatives. <i>ChemistrySelect</i> , 2019, 4, 14335-14342.	0.7	8
32	Porphyrinic coordination polymer-type materials as heterogeneous catalysts in catechol oxidation. <i>Polyhedron</i> , 2019, 158, 478-484.	1.0	13
33	One-dimensional ladder gallium coordination polymer. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1607-1612.	0.2	0
34	Diastereoselective One-Pot Tandem Synthesis of Chromenopyridodiazepinones through 1,4- and 1,6-Aza-Conjugate Additions/Heterocyclizations. <i>Synlett</i> , 2018, 29, 885-889.	1.0	2
35	Bifunctional Porphyrin-Based Nano-Metal-Organic Frameworks: Catalytic and Chemosensing Studies. <i>Inorganic Chemistry</i> , 2018, 57, 3855-3864.	1.9	43
36	Metal-organic framework assembled from erbium and a tetrapodal polyphosphonic acid organic linker. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 752-759.	0.2	4

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37	Catalyst-Free One-Pot Synthesis of Chromeno-Imidazo-Pyridinones by an Aza-Michael Addition/Rearrangement/Heterocyclization Tandem Reaction. <i>Synlett</i> , 2018, 29, 1437-1440.	1.0	1
38	Microwave Synthesis of a photoluminescent Metal-Organic Framework based on a rigid tetraphosphonate linker. <i>Inorganica Chimica Acta</i> , 2017, 455, 584-594.	1.2	16
39	Synthesis, characterization and catalytic activity under homogeneous conditions of ethylene glycol substituted porphyrin manganese(III) complexes. <i>Inorganica Chimica Acta</i> , 2017, 455, 575-583.	1.2	21
40	Robust Multifunctional Yttrium-Based Metal-Organic Frameworks with Breathing Effect. <i>Inorganic Chemistry</i> , 2017, 56, 1193-1208.	1.9	47
41	Copper-Porphyrin-Metal-Organic Frameworks as Oxidative Heterogeneous Catalysts. <i>ChemCatChem</i> , 2017, 9, 2939-2945.	1.8	25
42	Excimer Formation in a Terbium Metal-Organic Framework Assists Luminescence Thermometry. <i>Chemistry of Materials</i> , 2017, 29, 9547-9554.	3.2	65
43	Photoluminescent Lanthanide-Organic Framework Based on a Tetraphosphonic Acid Linker. <i>Crystal Growth and Design</i> , 2017, 17, 5191-5199.	1.4	20
44	Dynamic breathing effect in metal-organic frameworks: Reversible 2D-3D-2D-3D single-crystal to single-crystal transformation. <i>Inorganica Chimica Acta</i> , 2017, 460, 99-107.	1.2	11
45	Crystal structure of a compact three-dimensional metal-organic framework based on Cs <sup>+</sup> and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1794-1798.	0.2	1
46	Metallomesogens with Luminescent Behaviour: Palladium Complexes Derived from Alkylamide Tetraarylporphyrins. <i>ChemPlusChem</i> , 2016, 81, 262-273.	1.3	13
47	Reviewing the Manifold Aspects of Ganciclovir Crystal Forms. <i>Crystal Growth and Design</i> , 2016, 16, 4108-4118.	1.4	4
48	A Lamellar Coordination Polymer with Remarkable Catalytic Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 13136-13146.	1.7	23
49	Metallomesogens with Luminescent Behaviour: Palladium Complexes Derived from Alkylamide Tetraarylporphyrins. <i>ChemPlusChem</i> , 2016, 81, 253-253.	1.3	0
50	A ladder coordination polymer based on Ca <sup>2+</sup> and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid): crystal structure and solution-state NMR study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 685-691.	0.2	1
51	Catalytic One-Pot Diastereoselective Michael-Initiated Ring-Closure of Methyl Ketones with $\beta$ -Bromochromones: Synthesis of Cyclopropa[chromanones]. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3949-3958.	1.2	8
52	New copper porphyrins as functional models of catechol oxidase. <i>Journal of Catalysis</i> , 2016, 344, 303-312.	3.1	15
53	Transforming metal-organic frameworks into functional materials. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 495-509.	3.0	42
54	Sustainable synthesis of a catalytic active one-dimensional lanthanide-organic coordination polymer. <i>Chemical Communications</i> , 2015, 51, 10807-10810.	2.2	31

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55	Phosphonate Appended Porphyrins as Versatile Chemosensors for Selective Detection of Trinitrotoluene. <i>Analytical Chemistry</i> , 2015, 87, 4515-4522.	3.2	53
56	Modelling the Luminescence of Phosphonate Lanthanide-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1254-1260.	1.0	7
57	Structural Diversity of Lanthanum-Organic Frameworks Based on 1,4-Phenylenebis(methylene)diphosphonic Acid. <i>Crystal Growth and Design</i> , 2013, 13, 543-560.	1.4	19
58	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , 2013, 49, 6400.	2.2	51
59	Superparamagnetic $MFe_2O_4$ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. <i>Chemistry of Materials</i> , 2012, 24, 1496-1504.	3.2	446
60	Thermodynamic study of 9-anthracenecarboxylic acid. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 172-176.	1.0	4