Ricardo F Mendes

List of Publications by Year
in descending order

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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	Superparamagnetic MFe₂O₄ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. Chemistry of Materials, 2012, 24, 1496-1504.	3.2	446
2	Metalâ€“organic frameworks: a future toolbox for biomedicine?. Chemical Society Reviews, 2020, 49, 9121-9153.	18.7	130
3	Excimer Formation in a Terbium Metalâ€“Organic Framework Assists Luminescence Thermometry. Chemistry of Materials, 2017, 29, 9547-9554.	3.2	65
4	Phosphonate Appended Porphyrins as Versatile Chemosensors for Selective Detection of Trinitrotoluene. Analytical Chemistry, 2015, 87, 4515-4522.	3.2	53
5	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. Chemical Communications, 2013, 49, 6400.	2.2	51
6	Robust Multifunctional Yttrium-Based Metalâ€“Organic Frameworks with Breathing Effect. Inorganic Chemistry, 2017, 56, 1193-1208.	1.9	47
7	Bifunctional Porphyrin-Based Nano-Metalâ€“Organic Frameworks: Catalytic and Chemosensing Studies. Inorganic Chemistry, 2018, 57, 3855-3864.	1.9	43
8	Transforming metalâ€“organic frameworks into functional materials. Inorganic Chemistry Frontiers, 2015, 2, 495-509.	3.0	42
9	Sustainable synthesis of a catalytic active one-dimensional lanthanideâ€“organic coordination polymer. Chemical Communications, 2015, 51, 10807-10810.	2.2	31
10	Multifunctionality in an Ion-Exchanged Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 1365-1376.	6.6	31
11	Enhanced proton conductivity in a layered coordination polymer. Chemical Science, 2020, 11, 6305-6311.	3.7	26
12	Copperâ€“Porphyrinâ€“Metalâ€“Organic Frameworks as Oxidative Heterogeneous Catalysts. ChemCatChem, 2017, 9, 2939-2945.	1.8	25
13	A Lamellar Coordination Polymer with Remarkable Catalytic Activity. Chemistry - A European Journal, 2016, 22, 13136-13146.	1.7	23
14	Synthesis and characterization of photoactive porphyrin and poly(2-hydroxyethyl methacrylate) based materials with bactericidal properties. Applied Materials Today, 2019, 16, 332-341.	2.3	22
15	Synthesis, characterization and catalytic activity under homogeneous conditions of ethylene glycol substituted porphyrin manganese(III) complexes. Inorganica Chimica Acta, 2017, 455, 575-583.	1.2	21
16	Multicomponent and 1,3-dipolar cycloaddition synthesis of triazole- and isoxazole-acridinedione/xanthenedione heterocyclic hybrids: Cytotoxic effects on human cancer cells. Journal of Molecular Structure, 2020, 1217, 128325.	1.8	21
17	Photoluminescent Lanthanide-Organic Framework Based on a Tetraphosphonic Acid Linker. Crystal Growth and Design, 2017, 17, 5191-5199.	1.4	20
18	Structural Diversity of Lanthanumâ€“Organic Frameworks Based on 1,4-Phenylenebis(methylene)diphosphonic Acid. Crystal Growth and Design, 2013, 13, 543-560.	1.4	19

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19	Virus meet metal-organic frameworks: A nanoporous solution to a world-sized problem?. Materials Today, 2021, 43, 84-98.	8.3	17
20	Microwave Synthesis of a photoluminescent Metal-Organic Framework based on a rigid tetraphosphonate linker. Inorganica Chimica Acta, 2017, 455, 584-594.	1.2	16
21	New copper porphyrins as functional models of catechol oxidase. Journal of Catalysis, 2016, 344, 303-312.	3.1	15
22	Lanthanide-based complexes as efficient physiological temperature sensors. Materials Chemistry and Physics, 2022, 277, 125424.	2.0	14
23	Metallomesogens with Luminescent Behaviour: Palladium Complexes Derived from Alkylamide Tetraarylporphyrins. ChemPlusChem, 2016, 81, 262-273.	1.3	13
24	Oxidation of tellurium dyes induced by mercury: More insights on the naked-eye and fluorescent Hg2+ detection. Dyes and Pigments, 2019, 160, 208-216.	2.0	13
25	Porphyrinic coordination polymer-type materials as heterogeneous catalysts in catechol oxidation. Polyhedron, 2019, 158, 478-484.	1.0	13
26	High Catalytic Efficiency of a Layered Coordination Polymer to Remove Simultaneous Sulfur and Nitrogen Compounds from Fuels. Catalysts, 2020, 10, 731.	1.6	12
27	Dynamic breathing effect in metal-organic frameworks: Reversible 2D-3D-2D-3D single-crystal to single-crystal transformation. Inorganica Chimica Acta, 2017, 460, 99-107.	1.2	11
28	Boosting Drug Discovery for Parkinsonâ€™s: Enhancement of the Delivery of a Monoamine Oxidase-B Inhibitor by Brain-Targeted PEGylated Polycaprolactone-Based Nanoparticles. Pharmaceutics, 2019, 11, 331.	2.0	11
29	Solketal Production via Solvent-Free Acetalization of Glycerol over Triphosphonic-Lanthanide Coordination Polymers. Catalysts, 2021, 11, 598.	1.6	11
30	Hemi-Synthesis of Chiral Imine, Benzimidazole and Benzodiazepines from Essential Oil of Ammodaucus leucotrichus subsp. leucotrichus. Molecules, 2019, 24, 975.	1.7	10
31	Comparison of the Photodynamic Action of Porphyrin, Chlorin, and Isobacteriochlorin Derivatives toward a Melanotic Cell Line. ACS Applied Bio Materials, 2021, 4, 4925-4935.	2.3	10
32	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. ACS Applied Materials & Interfaces, 2021, 13, 35469-35483.	4.0	10
33	Catalytic Oneâ€Pot Diastereoselective Michaelâ€Initiated Ringâ€Closure of Methyl Ketones with 3â€Bromochromones: Synthesis of Cyclopropa[b]chromanones. European Journal of Organic Chemistry, 2016, 2016, 3949-3958.	1.2	8
34	New nitroindazolylacetonitriles: efficient synthetic accessviavicarious nucleophilic substitution and tautomeric switching mediated by anions. New Journal of Chemistry, 2019, 43, 14355-14367.	1.4	8
35	Synthesis and Biological Evaluation of New Functionalized Nitroindazolylacetonitrile Derivatives. ChemistrySelect, 2019, 4, 14335-14342.	0.7	8
36	Versatile Coordination Polymer Catalyst for Acid Reactions Involving Biobased Heterocyclic Chemicals. Catalysts, 2021, 11, 190.	1.6	8

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37	Modelling the Luminescence of Phosphonate Lanthanide-Organic Frameworks. European Journal of Inorganic Chemistry, 2015, 2015, 1254-1260.	1.0	7
38	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. Catalysts, 2021, 11, 1407.	1.6	7
39	Easy Processing of Metalâ€“Organic Frameworks into Pellets and Membranes. Applied Sciences (Switzerland), 2020, 10, 798.	1.3	6
40	Hemi-synthesis, in-vitro and in-silico bioactivities of new chiral-Schiff bases and benzodiazepine derivatives from Ammodaucus leucotrichus(S)-perillaldehyde. Journal of Molecular Structure, 2021, 1241, 130690.	1.8	6
41	Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, 15416-15437.	1.7	5
42	Multifunctionality and cytotoxicity of a layered coordination polymer. Dalton Transactions, 2020, 49, 3989-3998.	1.6	5
43	Thermodynamic study of 9-anthracenecarboxylic acid. Journal of Chemical Thermodynamics, 2011, 43, 172-176.	1.0	4
44	Reviewing the Manifold Aspects of Ganciclovir Crystal Forms. Crystal Growth and Design, 2016, 16, 4108-4118.	1.4	4
45	Metalâ€“organic framework assembled from erbium and a tetrapodal polyphosphonic acid organic linker. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 752-759.	0.2	4
46	A Reusable Eu³⁺ Complex for Nakedâ€Eye Discrimination of Methanol from Ethanol with a Ratiometric Fluorimetric Equilibrium in Methanol/Ethanol Mixtures. European Journal of Inorganic Chemistry, 2019, 2019, 4727-4734.	1.0	4
47	New triazine bridged triads based on BODIPY-porphyrin systems: Extended absorption, efficient energy transfer and upconverted emission. Dyes and Pigments, 2021, 187, 109137.	2.0	4
48	Novel bis-(3-cyano-2-pyridones) derivatives: synthesis and fluorescent properties. Research on Chemical Intermediates, 2021, 47, 1331-1348.	1.3	4
49	A Suitable Functionalization of Nitroindazoles with Triazolyl and Pyrazolyl Moieties via Cycloaddition Reactions. Molecules, 2020, 25, 126.	1.7	3
50	Membrane-Supported Layered Coordination Polymer as an Advanced Sustainable Catalyst for Desulfurization. Molecules, 2021, 26, 2404.	1.7	3
51	Diastereoselective One-Pot Tandem Synthesis of Chromenopyridodiazepinones through 1,4- and 1,6-Aza-Conjugate Additions/Heterocyclizations. Synlett, 2018, 29, 885-889.	1.0	2
52	Crystal structure of a compact three-dimensional metalâ€“organic framework based on Cs⁺and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1794-1798.	0.2	1
53	A ladder coordination polymer based on Ca²⁺and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid): crystal structure and solution-state NMR study. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 685-691.	0.2	1
54	Catalyst-Free One-Pot Synthesis of Chromeno-Imidazo-Pyridinones by an Aza-Michael Addition/Rearrangement/Heterocyclization Tandem Reaction. Synlett, 2018, 29, 1437-1440.	1.0	1

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55	Pyrene Tetraphosphonateâ€Based Metalâ€Organic Framework: Structure and Photoluminescence. European Journal of Inorganic Chemistry, 2020, 2020, 3565-3572.	1.0	1
56	Microwave synthesis of metal-organic frameworks. , 2020, , 159-176.		1
57	Metallomesogens with Luminescent Behaviour: Palladium Complexes Derived from Alkylamide Tetraarylporphyrins. ChemPlusChem, 2016, 81, 253-253.	1.3	0
58	Frontispiece: Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, .	1.7	0
59	Coordination Polymers Based on a Biphenyl Tetraphosphonate Linker: Synthesis Control and Photoluminescence. Molecules, 2020, 25, 1835.	1.7	0
60	One-dimensional ladder gallium coordination polymer. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1607-1612.	0.2	0