

Montserrat Rodrguez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3808095/montserrat-rodriguez-publications-by-citations.pdf>

Version: 2024-04-28

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.

63

papers

2,833

citations

26

h-index

52

g-index

65

ext. papers

2,942

ext. citations

5

avg, IF

4.41

L-index

#	Paper	IF	Citations
63	Molecular catalysts that oxidize water to dioxygen. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2842-52	16.4	378
62	A new Ru complex capable of catalytically oxidizing water to molecular dioxygen. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7798-9	16.4	349
61	The Ru-Hbpp water oxidation catalyst. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15176-87	16.4	236
60	Ru complexes that can catalytically oxidize water to molecular dioxygen. <i>Inorganic Chemistry</i> , 2008 , 47, 1824-34	5.1	133
59	Synthesis, Structure, and Magnetic Properties of a New Chloro-Bridged Dimer [Cu ₂ (dpt) ₂ Cl ₂]Cl ₂ with an Unusual Structure and Ferromagnetic Coupling. <i>Inorganic Chemistry</i> , 1999 , 38, 2328-2334	5.1	110
58	Ru-hbpp-based water-oxidation catalysts anchored on conducting solid supports. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5830-2	16.4	105
57	Molekulare Katalysatoren für die Oxidation von Wasser zu Disauerstoff. <i>Angewandte Chemie</i> , 2009 , 121, 2882-2893	3.6	102
56	Synthesis, structure, and redox and catalytic properties of a new family of ruthenium complexes containing the tridentate bpea ligand. <i>Inorganic Chemistry</i> , 2001 , 40, 4150-6	5.1	92
55	Can the disproportionation of oxidation state III be favored in Ru ^{III} -OH ₂ /Ru ^{IV} =O systems?. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5306-7	16.4	78
54	Synthesis, structure, and spectroscopic, photochemical, redox, and catalytic properties of ruthenium(II) isomeric complexes containing dimethyl sulfoxide, chloro, and the dinucleating bis(2-pyridyl)pyrazole ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 2040-8	5.1	64
53	Synthesis, structure, and acid-base and redox properties of a family of new Ru(II) isomeric complexes containing the trpy and the dinucleating Hbpp ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 8385-94	5.1	63
52	Structural, electronic, and magnetic consequences of O-carbonyl vs O-alkoxy ester coordination in new dicopper complexes containing the Cu ₂ (μ-Cl) ₂ core. <i>Inorganic Chemistry</i> , 2002 , 41, 6153-60	5.1	55
51	New tetranuclear Cu(II) complexes: synthesis, structure, and magnetic properties. <i>Inorganic Chemistry</i> , 2004 , 43, 6699-706	5.1	49
50	Mechanistic insights into the chemistry of Ru(II) complexes containing Cl and DMSO ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 10707-16	5.1	48
49	Multireversible redox processes in pentanuclear bis(triple-helical) manganese complexes featuring an oxo-centered triangular {Mn(II) ₂ Mn(III)(B-O)} ⁵⁺ or {Mn(II)Mn(III) ₂ (B-O)} ⁶⁺ core wrapped by two {Mn(II) ₂ (bpp) ₃ }. <i>Inorganic Chemistry</i> , 2011 , 50, 8427-36	5.1	42
48	Synthesis, structure and redox properties of a new ruthenium(II) complex containing the flexible tridentate ligand N,N-bis(2-pyridylmethyl)ethylamine, cis-fac-Ru(bpea) ₂ ²⁺ , and its homologue attached covalently to a polypyrrole film. <i>Dalton Transactions RSC</i> , 2000 , 1689-1694		42
47	New Ru complexes containing the N-tridentate bpea and phosphine ligands: consequences of meridional vs facial geometry. <i>Inorganic Chemistry</i> , 2006 , 45, 10520-9	5.1	40

46	A new dinuclear Ru-Hbpp based water oxidation catalyst with a trans-disposition of the Ru-OH. <i>Dalton Transactions</i> , 2011 , 40, 3640-6	4.3	39
45	Solvent controlled nuclearity in Cu(II) complexes linked by the CO ₃ ²⁻ ligand: synthesis, structure and magnetic properties. <i>Dalton Transactions RSC</i> , 2002 , 2900		39
44	Ru(II) complexes containing dmsO and pyrazolyl ligands as catalysts for nitrile hydration in environmentally friendly media. <i>Dalton Transactions</i> , 2013 , 42, 13461-9	4.3	38
43	New Ru(II) complexes with anionic and neutral N-donor ligands as epoxidation catalysts: an evaluation of geometrical and electronic effects. <i>Inorganic Chemistry</i> , 2010 , 49, 7072-9	5.1	36
42	Ru-Hbpp-Based Water-Oxidation Catalysts Anchored on Conducting Solid Supports. <i>Angewandte Chemie</i> , 2008 , 120, 5914-5916	3.6	36
41	Synthesis, structure, and substitution mechanism of new Ru(II) complexes containing 1,4,7-trithiacyclononane and 1,10-phenanthroline ligands. <i>Inorganic Chemistry</i> , 2004 , 43, 5403-9	5.1	33
40	Synthesis, Structure, and Redox Properties of a New Aqua Ruthenium Complex Containing the Tridentate [9]aneS ₃ and the Didentate 1,10-Phenanthroline Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 612-618	2.3	31
39	Atropisomeric discrimination in new Ru(II) complexes containing the C(2)-symmetric didentate chiral phenyl-1,2-bisoxazolinic ligand. <i>Chemistry - A European Journal</i> , 2006 , 12, 2798-807	4.8	30
38	RuO complexes as catalysts for oxidative transformations, including the oxidation of water to molecular dioxygen. <i>Journal of Molecular Catalysis A</i> , 2006 , 251, 215-220		29
37	Design of dinuclear copper species with carboranylcarboxylate ligands: study of their steric and electronic effects. <i>Chemistry - A European Journal</i> , 2011 , 17, 13217-29	4.8	26
36	New ru(II) complexes containing oxazoline ligands as epoxidation catalysts. Influence of the substituents on the catalytic performance. <i>Inorganic Chemistry</i> , 2011 , 50, 6044-54	5.1	26
35	Investigation of the Zero-Field Splitting in Six- and Seven-Coordinate Mononuclear Mn(II) Complexes with N/O-Based Ligands by Combining EPR Spectroscopy and Quantum Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3658-3665	2.3	26
34	Redox and catalytic properties of new polypyrrole modified electrodes functionalized by [Ru(bpea)(bpy)H ₂ O] ²⁺ complexes; bpea=N,N'-bis(2-pyridylmethyl)ethylamine, bpy=2,2'-bipyridine. <i>Electrochimica Acta</i> , 2003 , 48, 1047-1054	6.7	24
33	Mn(II) complexes containing the polypyridylic chiral ligand (-)-pinene[5,6]bipyridine. Catalysts for oxidation reactions. <i>Dalton Transactions</i> , 2009 , 8117-26	4.3	23
32	Catalytic ability of a cationic Ru(II) monochloro complex for the asymmetric hydrogenation of dimethyl itaconate and enamides. <i>Inorganic Chemistry</i> , 2006 , 45, 2644-51	5.1	23
31	EPR and magnetic properties of [Mn(μ-Cl) ₂ (bpy)] _n : An unusual ferromagnetic interaction in a Mn(II) chloro-bridged polymer. <i>Inorganica Chimica Acta</i> , 2005 , 358, 4459-4465	2.7	22
30	Ru(II)-dmsO complexes containing azole-based ligands: synthesis, linkage isomerism and catalytic behaviour. <i>Dalton Transactions</i> , 2016 , 45, 3163-74	4.3	20
29	New aqua N-heterocyclic carbene Ru(II) complexes with two-electron process as selective epoxidation catalysts: an evaluation of geometrical and electronic effects. <i>Inorganic Chemistry</i> , 2013 , 52, 5077-87	5.1	19

28	N-Tetradentate SPANamine Derivatives and Their MnII-Complexes as Catalysts for Epoxidation of Alkenes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1213-1224	2.3	19
27	A Novel Carbene Ruthenium Complex as Reusable and Selective Two-Electron Catalyst for Alkene Epoxidation. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 231-238	5.6	19
26	Efficient hydrogenation of alkenes using a highly active and reusable immobilised Ru complex on AlPO ₄ . <i>Journal of Molecular Catalysis A</i> , 2009 , 308, 41-45		18
25	Reusable manganese compounds containing pyrazole-based ligands for olefin epoxidation reactions. <i>Dalton Transactions</i> , 2015 , 44, 17529-43	4.3	17
24	Water-soluble manganese inorganic polymers: the role of carborane clusters and producing large structural adjustments from minor molecular changes. <i>Chemistry - A European Journal</i> , 2014 , 20, 13993-4003	4.8	17
23	Synthesis, structure, redox properties, and catalytic activity of new ruthenium complexes containing neutral or anionic and facial or meridional ligands: an evaluation of electronic and geometrical effects. <i>Inorganic Chemistry</i> , 2007 , 46, 5381-9	5.1	17
22	New synthetic routes toward enantiopure nitrogen donor ligands. <i>Journal of Organic Chemistry</i> , 2006 , 71, 9283-90	4.2	17
21	Understanding Electronic Ligand Perturbation over Successive Metal-Based Redox Potentials in Mononuclear Ruthenium Aqua Complexes. <i>ChemPlusChem</i> , 2013 , 78, 235-243	2.8	15
20	New ruthenium(II) complexes with enantiomerically pure bis- and tris(pinene)-fused tridentate ligands. Synthesis, characterization and stereoisomeric analysis. <i>Inorganic Chemistry</i> , 2008 , 47, 8016-24	5.1	15
19	The Spectroscopic, Electrochemical and Structural Characterization of a Family of Ru Complexes Containing the C ₂ -Symmetric Didentate Chiral 1,3-Oxazoline Ligand and Their Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5207-5214	2.3	15
18	Alkylation of microperoxidase-11 by the antimalarial drug artemisinin. <i>ChemBioChem</i> , 2002 , 3, 1147-9	3.8	13
17	Catalytic Activity of Chloro and Triflate Manganese(II) Complexes in Epoxidation Reactions: Reusable Catalytic Systems for Alkene Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2663-2670	2.3	12
16	A water soluble Mn(II) polymer with aqua metal bridges. <i>Dalton Transactions</i> , 2013 , 42, 7838-41	4.3	12
15	Ruthenium-catalyzed asymmetric hydrogenation of N-(3,4-dihydro-2-naphthalenyl)-acetamide. <i>Catalysis Communications</i> , 2008 , 9, 117-119	3.2	12
14	A Recoverable Ruthenium Aqua Complex Supported on Silica Particles: An Efficient Epoxidation Catalyst. <i>Chemistry - A European Journal</i> , 2017 , 23, 4096-4107	4.8	11
13	Synthesis and Structure of Novel RuII - N ³ C - Me Complexes and their Activity Towards Nitrile Hydrolysis: An Examination of Ligand Effects. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1675	1.2	11
12	Syntheses, Structures and Redox Properties of New Macrocyclic Triazatriolefinic Pd ⁰ Complexes and Their Polypyrrole Modified Electrodes Application to Heterogeneous Catalytic Suzuki Cross-Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 1601-1610	2.3	11
11	Alkylation of manganese(II) tetraphenylporphyrin by antimalarial fluorinated artemisinin derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 1059-62	2.9	11

10	Polypyrrole-functionalized ruthenium carbene catalysts as efficient heterogeneous systems for olefin epoxidation. <i>Dalton Transactions</i> , 2014 , 43, 9916-23	4.3	10
9	Mechanistic theoretical insight of Ru(II) catalysts with a meridionalfacial bpea fashion competition. <i>Chemical Physics Letters</i> , 2008 , 458, 200-204	2.5	10
8	A Ruthenium(II) Aqua Complex as Efficient Chemical and Photochemical Catalyst for Alkene and Alcohol Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2124-2133	2.3	9
7	Intramolecular hydrogen bonding stabilizes the nuclearity of complexes. A comparative study based on the H-carborane and Me-carborane framework. <i>Dalton Transactions</i> , 2015 , 44, 10399-409	4.3	8
6	A family of manganese complexes containing heterocyclic-based ligands with cytotoxic properties. <i>Journal of Inorganic Biochemistry</i> , 2018 , 182, 124-132	4.2	7
5	Carving a 1D Co(II)-carboranylcarboxylate system by using organic solvents to create stable trinuclear molecular analogues: complete structural and magnetic studies. <i>Dalton Transactions</i> , 2016 , 45, 10916-27	4.3	5
4	Simple and cheap steric and electronic characterization of the reactivity of Ru(II) complexes containing oxazoline ligands as epoxidation catalysts. <i>Chemical Physics Letters</i> , 2013 , 577, 142-146	2.5	5
3	Efficient and selective oxidation of aldehydes with dioxygen catalysed by vanadium-containing heteropolyanions. <i>Comptes Rendus Chimie</i> , 2017 , 20, 888-895	2.7	4
2	Carboranylcarboxylate Complexes as Efficient Catalysts in Epoxidation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4425-4429	2.3	4
1	A Heterogeneous Ruthenium dmsO Complex Supported onto Silica Particles as a Recyclable Catalyst for the Efficient Hydration of Nitriles in Aqueous Medium. <i>Inorganic Chemistry</i> , 2019 , 58, 8460-8470	5.1	3