

# Isabel Romero

## List of Publications by Year in Descending Order

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

88  
papers

3,320  
citations

29  
h-index

55  
g-index

93  
ext. papers

3,521  
ext. citations

5.5  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
88	New ruthenium polypyridyl complexes as potential sensors of acetonitrile and catalysts for water oxidation.. <i>RSC Advances</i> , <b>2022</b> , 12, 8414-8422	3.7	0
87	Advances in the catalytic and photocatalytic behavior of carborane derived metal complexes. <i>Advances in Catalysis</i> , <b>2022</b> ,	2.4	
86	A stand-alone cobalt bis(dicarbollide) photoredox catalyst epoxidates alkenes in water at extremely low catalyst load. <i>Green Chemistry</i> , <b>2021</b> , 23, 10123-10131	10	2
85	Aqueous Persistent Noncovalent Ion-Pair Cooperative Coupling in a Ruthenium Cobaltabis(dicarbollide) System as a Highly Efficient Photoredox Oxidation Catalyst. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8898-8907	5.1	3
84	Hydrogenation of $\pi$ Unsaturated Carbonyl Compounds over Covalently Heterogenized Ru(II) Diphosphine Complexes on AlPO <sub>4</sub> -Sepiolite Supports. <i>Catalysts</i> , <b>2021</b> , 11, 289	4	0
83	Unprecedented collateral sensitivity for cisplatin-resistant lung cancer cells presented by new ruthenium organometallic compounds. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1983-1996	6.8	6
82	Noncovalently Linked Metallacarboranes on Functionalized Magnetic Nanoparticles as Highly Efficient, Robust, and Reusable Photocatalysts in Aqueous Medium. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56372-56384	9.5	6
81	Metallacarborane Assemblies as Effective Antimicrobial Agents, Including a Highly Potent Anti-MRSA Agent. <i>Organometallics</i> , <b>2020</b> , 39, 4253-4264	3.8	5
80	Metallacarboranes as Photoredox Catalysts in Water. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5027-5036	6.8	15
79	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> , <b>2019</b> , 58, 8460-8470	5.1	3
78	A Ruthenium(II) Aqua Complex as Efficient Chemical and Photochemical Catalyst for Alkene and Alcohol Oxidation. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 2124-2133	2.3	9
77	A family of manganese complexes containing heterocyclic-based ligands with cytotoxic properties. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 182, 124-132	4.2	7
76	All inorganic coordination polymers have been made possible with the m-carboranylphosphinate ligand. <i>Dalton Transactions</i> , <b>2018</b> , 47, 14785-14798	4.3	7
75	A Recoverable Ruthenium Aqua Complex Supported on Silica Particles: An Efficient Epoxidation Catalyst. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4096-4107	4.8	11
74	m-Carboranylphosphinate as Versatile Building Blocks To Design all Inorganic Coordination Polymers. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5502-5505	5.1	18
73	Efficient and selective oxidation of aldehydes with dioxygen catalysed by vanadium-containing heteropolyanions. <i>Comptes Rendus Chimie</i> , <b>2017</b> , 20, 888-895	2.7	4
72	Carboranycarboxylate Complexes as Efficient Catalysts in Epoxidation Reactions. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4425-4429	2.3	4

71	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> , <b>2016</b> , 45, 10916-27	4.3	5
70	Ru(II)-dmsO complexes containing azole-based ligands: synthesis, linkage isomerism and catalytic behaviour. <i>Dalton Transactions</i> , <b>2016</b> , 45, 3163-74	4.3	20
69	Icosahedral boron clusters: a perfect tool for the enhancement of polymer features. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 5147-73	58.5	185
68	Intramolecular hydrogen bonding stabilizes the nuclearity of complexes. A comparative study based on the H-carborane and Me-carborane framework. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10399-409	4.3	8
67	Reusable manganese compounds containing pyrazole-based ligands for olefin epoxidation reactions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 17529-43	4.3	17
66	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> , <b>2014</b> , 2014, 2663-2670	2.3	12
65	Polypyrrole-functionalized ruthenium carbene catalysts as efficient heterogeneous systems for olefin epoxidation. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9916-23	4.3	10
64	Mono- and Dinuclear Complexes of Tricarbonylrhenium(I) with 4-Methyl-2,2'-bipyridine-4'-carbonitrile. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3359-3369 <sup>2.3</sup>	2.3	5
63	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> , <b>2014</b> , 20, 13993-4003 <sup>4.8</sup>	4.8	17
62	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> , <b>2013</b> , 577, 142-146	2.5	5
61	Ru(II) complexes containing dmsO and pyrazolyl ligands as catalysts for nitrile hydration in environmentally friendly media. <i>Dalton Transactions</i> , <b>2013</b> , 42, 13461-9	4.3	38
60	A water soluble Mn(II) polymer with aqua metal bridges. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7838-41	4.3	12
59	Improving the photosensitizing properties of ruthenium polypyridyl complexes using 4-methyl-2,2'-bipyridine-4'-carbonitrile as an auxiliary ligand. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4950-62	5.1	11
58	Understanding Electronic Ligand Perturbation over Successive Metal-Based Redox Potentials in Mononuclear Ruthenium(II) Aqua Complexes. <i>ChemPlusChem</i> , <b>2013</b> , 78, 235-243	2.8	15
57	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> , <b>2013</b> , 52, 5077-87	5.1	19
56	N-Tetradentate SPANamine Derivatives and Their Mn(II)-Complexes as Catalysts for Epoxidation of Alkenes. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1213-1224	2.3	19
55	A Novel Carbene Ruthenium Complex as Reusable and Selective Two-Electron Catalyst for Alkene Epoxidation. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 231-238	5.6	19
54	Design of dinuclear copper species with carboranylcarboxylate ligands: study of their steric and electronic effects. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13217-29	4.8	26

53	A new dinuclear Ru-Hbpp based water oxidation catalyst with a trans-disposition of the Ru-OH. <i>Dalton Transactions</i> , <b>2011</b> , 40, 3640-6	4.3	39
52	Multireversible redox processes in pentanuclear bis(triple-helical) manganese complexes featuring an oxo-centered triangular {Mn(II)2Mn(III)(β-O)}5+ or {Mn(II)Mn(III)2(β-O)}6+ core wrapped by two {Mn(II)2(bpp)3}-. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 8427-36	5.1	42
51	New ru(II) complexes containing oxazoline ligands as epoxidation catalysts. Influence of the substituents on the catalytic performance. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6044-54	5.1	26
50	Electron-, proton-, and photon-induced spectroscopic changes in chromophore-quencher tricarbonyl(2,2Rbipyridine)rhenium(I) complexes with 4,4Razobis(pyridine). <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 4084-91	5.1	26
49	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> , <b>2010</b> , 49, 7072-9	5.1	36
48	Investigation of the Zero-Field Splitting in Six- and Seven-Coordinate Mononuclear MnII Complexes with N/O-Based Ligands by Combining EPR Spectroscopy and Quantum Chemistry. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 3658-3665	2.3	26
47	Molekulare Katalysatoren für die Oxidation von Wasser zu Disauerstoff. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 2882-2893	3.6	102
46	Molecular catalysts that oxidize water to dioxygen. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2842-52	16.4	378
45	Efficient hydrogenation of alkenes using a highly active and reusable immobilised Ru complex on AlPO4. <i>Journal of Molecular Catalysis A</i> , <b>2009</b> , 308, 41-45		18
44	The Ru-Hbpp water oxidation catalyst. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15176-87	16.4	236
43	Mn(II) complexes containing the polypyridylic chiral ligand (-)-pinene[5,6]bipyridine. Catalysts for oxidation reactions. <i>Dalton Transactions</i> , <b>2009</b> , 8117-26	4.3	23
42	Synthesis and Structure of Novel RuII - N?C - Me Complexes and their Activity Towards Nitrile Hydrolysis: An Examination of Ligand Effects. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 1675	1.2	11
41	Ruthenium-catalyzed asymmetric hydrogenation of N-(3,4-dihydro-2-naphthalenyl)-acetamide. <i>Catalysis Communications</i> , <b>2008</b> , 9, 117-119	3.2	12
40	New ruthenium(II) complexes with enantiomerically pure bis- and tris(pinene)-fused tridentate ligands. Synthesis, characterization and stereoisomeric analysis. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 8016-24	5.1	15
39	Ru complexes that can catalytically oxidize water to molecular dioxygen. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 1824-34	5.1	133
38	Ru-hbpp-based water-oxidation catalysts anchored on conducting solid supports. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5830-2	16.4	105
37	Ru-Hbpp-Based Water-Oxidation Catalysts Anchored on Conducting Solid Supports. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5914-5916	3.6	36
36	Mechanistic theoretical insight of Ru(II) catalysts with a meridionalfacial bpea fashion competition. <i>Chemical Physics Letters</i> , <b>2008</b> , 458, 200-204	2.5	10

35	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> , <b>2007</b> , 46, 5381-9	5.1	17
34	The Spectroscopic, Electrochemical and Structural Characterization of a Family of Ru Complexes Containing the C <sub>2</sub> -Symmetric Didentate Chiral 1,3-Oxazoline Ligand and Their Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 5207-5214	2.3	15
33	Increasing transmission of electronic interaction in dinuclear unsymmetric mixed-valent ruthenium complexes. <i>Polyhedron</i> , <b>2007</b> , 26, 17-23	2.7	6
32	Mechanistic insights into the chemistry of RuII complexes containing Cl and DMSO ligands. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 10707-16	5.1	48
31	Atropisomeric discrimination in new Ru(II) complexes containing the C <sub>2</sub> -symmetric didentate chiral phenyl-1,2-bisoxazolinic ligand. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2798-807	4.8	30
30	New synthetic routes toward enantiopure nitrogen donor ligands. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 9283-90	4.2	17
29	New Ru complexes containing the N-tridentate bpea and phosphine ligands: consequences of meridional vs facial geometry. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 10520-9	5.1	40
28	Catalytic ability of a cationic Ru(II) monochloro complex for the asymmetric hydrogenation of dimethyl itaconate and enamides. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 2644-51	5.1	23
27	Can the disproportionation of oxidation state III be favored in RuII-OH <sub>2</sub> /RuIV=O systems?. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5306-7	16.4	78
26	RuO complexes as catalysts for oxidative transformations, including the oxidation of water to molecular dioxygen. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 251, 215-220		29
25	Heterogeneization of a new Ru(II) homogeneous asymmetric hydrogenation catalyst containing BINAP and the N-tridentate bpea ligand, through covalent attachment on amorphous AlPO <sub>4</sub> support. <i>Topics in Catalysis</i> , <b>2006</b> , 40, 193-205	2.3	18
24	EPR and magnetic properties of [Mn(EDCl) <sub>2</sub> (bpy)] <sub>n</sub> : An unusual ferromagnetic interaction in a Mn(II) chloro-bridged polymer. <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 4459-4465	2.7	22
23	Fine Tuning of MLCT States in New Mononuclear Complexes of Ruthenium(II) Containing Tris(1-pyrazolyl)methane, 2,2'-Bipyridine and Aromatic Nitrogen Heterocycles. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 272-277	2.3	19
22	Synthesis, Properties and Molecular Structure of [Ru(tpm)(bpy)(CH <sub>3</sub> CN)](PF <sub>6</sub> ) <sub>2</sub> (tpm = tris(1-pyrazolyl)methane, bpy = 2,2'-Bipyridine) [Another Example of Nitrile Hydrolysis Promoted by Ruthenium(II)]. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 3019-3023	2.3	16
21	Synthesis, Structure, and Redox Properties of a New Aqua Ruthenium Complex Containing the Tridentate [9]aneS <sub>3</sub> and the Didentate 1,10-Phenanthroline Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 612-618	2.3	31
20	Synthesis and structural characterization of five-, six-, and seven-coordinate mononuclear manganese(II) complexes with N-tridentate ligands. <i>Inorganica Chimica Acta</i> , <b>2004</b> , 357, 3430-3436	2.7	43
19	Structural characterization and electronic properties determination by high-field and high-frequency EPR of a series of five-coordinated Mn(II) complexes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 6455-63	5.1	76
18	Synthesis, structure, and substitution mechanism of new Ru(II) complexes containing 1,4,7-trithiacyclononane and 1,10-phenanthroline ligands. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5403-9	5.1	33

17	New tetranuclear Cu(II) complexes: synthesis, structure, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 6699-706	5.1	49
16	A new Ru complex capable of catalytically oxidizing water to molecular dioxygen. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7798-9	16.4	349
15	Redox and catalytic properties of new polypyrrole modified electrodes functionalized by [Ru(bpea)(bpy)H <sub>2</sub> O] <sup>2+</sup> complexes; bpea=N,N'-bis(2-pyridylmethyl)ethylamine, bpy=2,2'-bipyridine. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 1047-1054	6.7	24
14	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> , <b>2003</b> , 42, 8385-94	5.1	63
13	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> , <b>2003</b> , 42, 2040-8	5.1	64
12	A dinuclear manganese(II) complex with the [Mn(2)(μ-O(2)CCH(3))(3)](+) core: synthesis, structure, characterization, electroinduced transformation, and catalase-like activity. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 1795-806	5.1	68
11	A Novel Dimanganese(II) Complex with Two Chloride Bridges [A Two-Electron Oxidation System. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 69-72	2.3	60
10	Synthesis, structure, and redox and catalytic properties of a new family of ruthenium complexes containing the tridentate bpea ligand. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 4150-6	5.1	92
9	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) <sub>2</sub> <sup>2+</sup> , and its homologue attached covalently to a polypyrrole film. <i>Dalton Transactions RSC</i> , <b>2000</b> , 1689-1694		42
8	FeCl <sub>2</sub> 2 py 4 + catalyzed transformation of aromatic amines by HOOH under mild conditions. <i>Journal of Molecular Catalysis A</i> , <b>1999</b> , 148, 49-58		7
7	Thermodynamic characterization of the liquid-liquid extraction of silver by acyclic dithia benzene derivatives. <i>Analytica Chimica Acta</i> , <b>1998</b> , 375, 127-133	6.6	3
6	Electrochemical generation of binuclear complexes [Mn <sup>2</sup> III,III(EO)(EOAc) <sub>2</sub> (bpea) <sub>2</sub> ] <sup>2+</sup> and [Mn <sup>2</sup> IV,IV(EO) <sub>2</sub> (EOAc)(bpea) <sub>2</sub> ] <sup>3+</sup> from the mononuclear [MnII(bpea) <sub>2</sub> ] <sup>2+</sup> complex. <i>Journal of Electroanalytical Chemistry</i> , <b>1997</b> , 436, 219-225	4.1	14
5	Silver(I), mercury(II) and copper(I) complexes of acyclic and macrocyclic dithioether, metaxylyl based ligands. <i>Polyhedron</i> , <b>1996</b> , 15, 2057-2065	2.7	21
4	Silver(I)-Selective Thioether Ligands. Solution NMR and X-ray Structural Studies on the Interaction of 2,5,8-Trithia[9]-m-cyclophane and Related Ligands with Silver(I). <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 5410-5415	5.1	29
3	Silver-selective membrane electrodes using acyclic dithia benzene derivative neutral carriers. Comparison with related macrocyclic compounds. <i>Analytica Chimica Acta</i> , <b>1994</b> , 294, 207-213	6.6	36
2	Reactivity of [β-C <sub>5</sub> Me <sub>5</sub> RhCl(EO)] <sub>2</sub> towards some potentially bidentate ligands. <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 408, 241-246	2.3	18
1	Highlighting the Binding Behavior of Icosahedral Boron Clusters Incorporated into Polymers: Synthons, Polymers Preparation, and Relevant Properties	41-60	