

# Lluís Escriche Martínez

## List of Publications by Year in descending order

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77  
papers

2,325  
citations

257450

24  
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223800

46  
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81  
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81  
docs citations

81  
times ranked

2460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Catalysts that Oxidize Water to Dioxygen. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2842-2852.	13.8	400
2	Molecular Water Oxidation Mechanisms Followed by Transition Metals: State of the Art. <i>Accounts of Chemical Research</i> , 2014, 47, 504-516.	15.6	276
3	Ru Complexes That Can Catalytically Oxidize Water to Molecular Dioxygen. <i>Inorganic Chemistry</i> , 2008, 47, 1824-1834.	4.0	139
4	New Fluorescence PET Systems Based on N2S2Pyridine-Anthracene-Containing Macrocyclic Ligands. Spectrophotometric, Spectrofluorimetric, and Metal Ion Binding Studies. <i>Inorganic Chemistry</i> , 2005, 44, 8105-8115.	4.0	65
5	Synthesis, Structure, and Reactivity of New Tetranuclear Ru-Hbpp-Based Water-Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2011, 50, 2771-2781.	4.0	61
6	Silver(I) ion-selective electrodes based on polythiamacrocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 1969-1971.	1.1	58
7	Pyridine-based macrocycles containing N, O, and S and their use as ion-selective electrodes. Crystal structures of 15-aza-6-oxa-3,9-dithiabicyclo[9.3.1]pentadeca-1(15),11,13-triene and (15-aza-6-oxa-3,9-dithiabicyclo[9.3.1]pentadeca-1(15),11,13-triene)dichlorocopper(II). <i>Inorganic Chemistry</i> , 1991, 30, 1893-1898.	4.0	52
8	Synthesis, Complexation and Spectrofluorometric Studies of a New NS3 Anthracene-Containing Macrocyclic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2997-3004.	2.0	50
9	Exploring the Interaction of Mercury(II) by N2S2 and NS3 Anthracene-Containing Macrocyclic Ligands: Photophysical, Analytical, and Structural Studies. <i>Inorganic Chemistry</i> , 2007, 46, 7818-7826.	4.0	47
10	Poly(vinyl) chloride membrane caesium-selective electrodes based on doubly crowned 1,3-calix[4]arenes. <i>Analytica Chimica Acta</i> , 1998, 371, 155-162.	5.4	45
11	Application of a new phosphadithiamacrocyclic to ClO <sub>4</sub> <sup>-</sup> -selective CHEMFET and ion-selective electrode devices. <i>Analytica Chimica Acta</i> , 1996, 320, 63-68.	5.4	44
12	A Ru <sup>II</sup> -Hbpp-Based Water Oxidation Catalyst Anchored on Rutile TiO <sub>2</sub> . <i>ChemSusChem</i> , 2009, 2, 321-329.	6.8	40
13	Macrocycles incorporating sulfur and nido-carborane cages: reactivity toward nickel(II) and palladium(II). Molecular structures of Pd{7,8- $\mu$ -(S(CH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> S)C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> } <sub>2</sub> and Pd{P(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> }Cl{7,8- $\mu$ -(SCH <sub>2</sub> CH <sub>2</sub> S)C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> }. <i>Inorganic Chemistry</i> , 1991, 30, 3053-3058.	4.0	38
14	Color Tuning of a Nickel Complex with a Novel N2S2Pyridine-Containing Macrocyclic Ligand. <i>Inorganic Chemistry</i> , 2006, 45, 1140-1149.	4.0	37
15	Silver-selective electrodes based on supported liquid membranes. <i>Advanced Materials</i> , 1995, 7, 238-243.	21.0	35
16	Metal complexes with polydentate sulfur-containing ligands. Crystal structure of (2,6-bis((ethylthio)methyl)pyridine)dibromozinc(II). <i>Inorganic Chemistry</i> , 1986, 25, 4060-4062.	4.0	33
17	Mixed aza-thia crowns containing the 1,10-phenanthroline sub-unit. Substitution reactions in [NiL(MeCN)][BF <sub>4</sub> ] <sub>2</sub> {L=...=2,5,8-trithia[9](2,9)-1,10-phenanthroline}â€Š. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1085-1092.		33
18	Simple sensor molecules for detection of silver(I) based on monothioethers. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 963-964.	2.0	31

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19	Comparative study of NS <sub>2</sub> ligands, S-alkyl vs S-aryl. Molecular structure of [2,6-bis(((2-(methoxycarbonyl)phenyl)thio)methyl)pyridine]dichlorocopper(II). <i>Inorganic Chemistry</i> , 1991, 30, 4931-4935.	4.0	28
20	Novel all-solid-state copper(II) microelectrode based on a dithiomacrocyclic as a neutral carrier. <i>Electrochimica Acta</i> , 2006, 51, 5070-5074.	5.2	28
21	Transition-Metal Complexes Containing the Dinucleating Tetra- <i>N</i> -dentate 3,5-Bis(2-pyridyl)pyrazole (Hbpp) Ligand – A Robust Scaffold for Multiple Applications Including the Catalytic Oxidation of Water to Molecular Oxygen. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4775-4789.	2.0	27
22	Silver(I), mercury(II) and copper(I) complexes of acyclic and macrocyclic dithioether, metaxylyl based ligands. <i>Polyhedron</i> , 1996, 15, 2057-2065.	2.2	24
23	Ruthenium(II) Complexes with NS <sub>2</sub> Pyridine-Based Dithia-Containing Ligands. Proposed Possible Structural Isomers and X-ray Confirmation of Their Existence. <i>Inorganic Chemistry</i> , 1998, 37, 701-707.	4.0	24
24	Conformation and selectivity towards silver of thiocrown ethers based on Xylyl subunits. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2889-2897.	1.1	23
25	Structural and Magnetic Properties of a Complete Halide Series of Ni(II) Complexes with a Pyridine-Containing 14-Membered Macrocyclic. <i>Inorganic Chemistry</i> , 2006, 45, 7621-7627.	4.0	23
26	New membrane for copper-selective electrode incorporating a new thiophosphoril-containing macrocyclic as neutral carrier. <i>Materials Science and Engineering C</i> , 2006, 26, 394-398.	7.3	23
27	Silver(I) Ion Selective Electrode Based on Dithiamacrocyclics. <i>Chemistry Letters</i> , 1990, 19, 1107-1108.	1.3	22
28	Synthesis and characterization of cyclopalladated and non-cyclopalladated complexes of ligands containing the 1,3-bis(thiomethyl)benzene unit. <i>Polyhedron</i> , 1996, 15, 3009-3018.	2.2	22
29	Perchlorate-selective MEMFETs and ISEs based on a new phosphadithiamacrocyclic. <i>Sensors and Actuators B: Chemical</i> , 1997, 43, 206-210.	7.8	22
30	Ru(II)-bis(pyridine)pyrazolate (bpp)-Based Water-Oxidation Catalysts Anchored on TiO <sub>2</sub> : The Importance of the Nature and Position of the Anchoring Group. <i>Chemistry - A European Journal</i> , 2016, 22, 5261-5268.	3.3	22
31	Structural and EPR Studies on Single-Crystal and Polycrystalline Samples of Copper(II) and Cobalt(II) Complexes with NS <sub>2</sub> -Based Macrocyclic Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 5665-5672.	4.0	21
32	exo-Dithio and monothio carborane derivatives: a mechanism for their partial degradation. Molecular structure of tetramethylammonium 7,8-(3,6,9-trioxaundecane-1,2,4,5-tetrathiolato)nickel(II) complex. <i>Inorganic Chemistry</i> , 1992, 31, 1739-1743.	5.0	21
33	Closely related macrocyclic and acyclic tridentate, pyridine derivatives, containing sulphur, and their complexes. Crystal structures of {dichloro-3,10-dithia-16-azabicyclo[10.3.1]hexadeca-1(16),12,14-triene}copper(II) and [2,6-bis(ethyithiomethyl)pyridine]dichlorocopper(II). <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, 1739-1743.	1.1	19
34	Reactivity of the anion 7,8-(ethane-1,2-dithiolato-SS)-nido-undecaborate. Molecular structure of [7,8-(ethane-1,2-dithiolato-SS)-dicarba-nido-undecaborate]bis(triphenylphosphine)rhodium(I). <i>Inorganica Chimica Acta</i> , 1990, 176, 61-65.	2.4	19
35	Dinuclear ruthenium complexes containing a new ditopic phthalazin-bis(triazole) ligand that promotes metal-metal interactions. <i>New Journal of Chemistry</i> , 2014, 38, 1980-1987.	2.8	17
36	Synthesis and Isomeric Analysis of Ru(II) Complexes Bearing Pentadentate Scaffolds. <i>Inorganic Chemistry</i> , 2016, 55, 11216-11229.	4.0	17

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37	Complexes of Cu(I) with mixed-donor phenanthroline-containing macrocycles: analysis of their structural, redox and spectral properties in the context of Type-1 blue copper proteins biomimetic models. <i>Inorganica Chimica Acta</i> , 2005, 358, 2403-2412.	2.4	16
38	Complexes of the pyridine-based, tridentate, sulphur-containing ligands 2,6-bis(ethylthiomethyl)pyridine, 2,6-bis(methoxycarbonylthiomethyl)pyridine, and 2,6-bis(benzylthiomethyl)pyridine. Crystal structure of [2,6-bis(ethylthiomethyl)pyridine]dichlorocadmium(II) hydrate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1381-1384.	1.1	15
39	Palladium-promoted benzothiophene condensation in N2S2 ligands. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, .	2.0	14
40	A new pyridine-based phosphorus-containing macrocycle. Crystal structure of [Co(Lox)2][CoCl3(Lox)]2 (Lox=6-phenyl-6-oxo-15-aza-6-phospha-3,9-dithiabicyclo [9,3,1]pentadeca-1 (15), 11,) <i>Tj EQq 0 0 0 BT /Over</i>	2.0	14
41	Chemical, electrochemical and photochemical molecular water oxidation catalysts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 71-81.	3.8	13
42	A molecular approach to the synthesis of platinum-decorated mesoporous graphitic carbon nitride as selective CO2 reduction photocatalyst. <i>Journal of CO2 Utilization</i> , 2021, 50, 101574.	6.8	13
43	Transition metal complexes with 1,3-bis-(2-hydroxyphenyl)-1,3-propanedione. <i>Polyhedron</i> , 1985, 4, 215-219.	2.2	12
44	Synthesis and crystal structure of bis[(7,9-diaza-3,14-dithiatetracyclo[15,4,0,0,5,0]tricyclo[14,1,0,0,0,0]nonacosa-1(17),18,20,4(22),23,25,13(26),27,29-nonaene)chlorocopper(II)] tetrachlorodicuprate(I) bismethanol. Atypical non-planar conformation of the [Cu2Cl4]2- anion. <i>Polyhedron</i> , 1995, 14, 649-654.	2.2	12
45	Co-ordination of the crown thioether 2,5,8-trithia[9]-o-benzenophane (L1). Synthesis and crystal structures of [CuL1(Cl)] and [NiL12][BF4]2. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2969-2974.	1.1	11
46	Exploring the Interaction of Anthracene-Containing Macrocyclic Chemosensors with Silver(I) and Cadmium(II) Ions - Photophysical and Structural Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1809-1814.	1.2	11
47	Powerful Bis-facially Pyrazolate-Bridged Dinuclear Ruthenium Epoxidation Catalyst. <i>Inorganic Chemistry</i> , 2015, 54, 6782-6791.	4.0	11
48	Ruthenium nanoparticles supported on carbon-based nanoallotropes as co-catalyst to enhance the photocatalytic hydrogen evolution activity of carbon nitride. <i>Renewable Energy</i> , 2021, 168, 668-675.	8.9	11
49	Synthesis, Characterization, and Reactivity toward Nickel(II) of the New Saturated 14-Membered P2S2 Macrocyclic cis- and trans-1,8-Diphenyl-1,8-diphospha-4,12-dithia- cyclotetradecane. <i>Inorganic Chemistry</i> , 1997, 36, 947-949.	4.0	10
50	Dinuclear Ruthenium Complexes Containing the Hpbl Ligand: Synthesis, Characterization, Linkage Isomerism, and Epoxidation Catalysis. <i>Inorganic Chemistry</i> , 2014, 53, 10394-10402.	4.0	10
51	Synthesis of 0D to 3D hybrid-carbon nanomaterials carrying platinum(0) nanoparticles: Towards the electrocatalytic determination of methylparabens at ultra-trace levels. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127467.	7.8	10
52	Characterization of Langmuir and Langmuir-Blodgett films of a thiomacrocyclic ionophore by surface pressure and AFM. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 585-593.	9.4	9
53	Characterization and performance of electrostatically adsorbed Ru-Hbpp water oxidation catalysts. <i>Catalysis Science and Technology</i> , 2014, 4, 190-199.	4.1	9
54	Dissimilar catalytic behavior of molecular or colloidal palladium systems with a new NHC ligand. <i>Dalton Transactions</i> , 2017, 46, 11768-11778.	3.3	9

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55	Novel synthesis of a potentially trinucleating ligand: 1,3-bis-(2-hydroxyphenyl)-1,3-propanedione. <i>Polyhedron</i> , 1984, 3, 1017-1019.	2.2	8
56	An unusual $\hat{I}^2$ -diketone coordination mode. Crystal structure of bis(1,3-bis(2-hydroxyphenyl)-1,3-propanedione)tetrakispyridine dimanganese(III). <i>Inorganica Chimica Acta</i> , 1990, 178, 221-226.	2.4	8
57	New trithia- and dithioxa-macrocycles with biphenyl fused into the backbone: structures, and molecular modelling studies. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 1309-1316.	0.9	8
58	Coordination of silver(I) at the surface of carbon paste electrodes modified with 2,5,8-trithia[9]-m-cyclophane as studied by cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1999, 475, 73-81.	3.8	8
59	New phosphathiamacrocycles containing polypyridine units. <i>Polyhedron</i> , 2006, 25, 801-808.	2.2	8
60	New chemosensors based on thiomacrocyclic-containing coumarin-343 fluoroionophor: X-ray structures and previous results on the effect of cation binding on the photophysical properties. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1128-1134.	3.9	8
61	Synthesis, Characterization, and Linkage Isomerism in Mononuclear Ruthenium Complexes Containing the New Pyrazolate-Based Ligand Hpbl. <i>Inorganic Chemistry</i> , 2014, 53, 8025-8035.	4.0	8
62	Transition metal complexes of the schiff base derivatives of the ligand 1,8-dihydroxy-3,6-dimethyl-2-acetylnaphthalene. <i>Polyhedron</i> , 1985, 4, 97-101.	2.2	7
63	Synthesis and molecular dynamics studies of the new ditopic para-xylyl containing macrocycle 2,5,8,17,20,23-hexathia[9,9]-p-cyclophane(p-S6). X-ray crystal structure of the dicopper(I) complex	2.2	6
64	Nanostructuring of Langmuir-Blodgett Films Containing a Novel Thiomacrocyclic Ionophore on Si <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> /Si for Copper Ion Recognition. <i>Analytical Letters</i> , 2006, 39, 1709-1720.	1.8	6
65	Mononuclear ruthenium compounds bearing N-donor and N-heterocyclic carbene ligands: structure and oxidative catalysis. <i>Dalton Transactions</i> , 2017, 46, 2829-2843.	3.3	6
66	Synthesis and Reactivity of Nickel(II) Complexes of the Pyridine-Based Phosphorus-Containing Macrocycle 6-Phenyl-15-aza-6-phospha-3,9-dithiabicyclo[9,3,1]pentadeca-1(15),11,13-triene. <i>Inorganic Chemistry</i> , 1998, 37, 4807-4813.	4.0	5
67	Synthesis, Characterisation and Reactivity towards PdII and PtII of ortho-, meta- and para-Xylyl-Based Phosphorus-Containing Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3258-3263.	2.0	5
68	2,6-Bis(p-nitrophenylthiomethyl)pyridine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1994, 50, 1284-1286.	0.4	4
69	Nanocharacterization of a novel copper-membrane and functionalized insulator-semiconductor by atomic force microscopy. , 0, , .		4
70	[2,6-Bis(2-pyrimidinylthiomethyl)pyridine]dichlorocopper(II) methanol solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1994, 50, 1062-1064.	0.4	3
71	Water Oxidation. , 2013, , 505-523.		3
72	Insights into the light-driven hydrogen evolution reaction of mesoporous graphitic carbon nitride decorated with Pt or Ru nanoparticles. <i>Dalton Transactions</i> , 2022, 51, 731-740.	3.3	3

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73	(Nitrato- $\hat{\text{O}}$ )(triphenylphosphine- $\hat{\text{P}}$ ){3,6,9-trithiabicyclo[9.4.0]pentadeca-1(11),12,14-triene- $\hat{\text{S}}$ 3S3,6,9}mercury(II) nitrate hydrate hemiethanol solvate. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 1249-1252.	0.4	1
74	6-Oxa-3,9-dithiabicyclo[9.4.0]pentadeca-1(11),12,14-triene. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 2047-2049.	0.4	1
75	Diethyl 2,2'-[1,3-phenylenebis(methylthio)]dibenzoate. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 2049-2051.	0.4	1
76	Crystal structure of 2,5,8-trithia[9]-o-benzenophane, C <sub>12</sub> H <sub>16</sub> S <sub>3</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 1994, 209, 560-561.	0.8	1
77	6-Oxo-6-phenyl-6-phospha-3,9-dithiabicyclo[9.4.0]pentadeca-1(11),12,14-triene. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 126-128.	0.4	1