

Ronan Le Lagadec

List of Publications by Year in descending order

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65
papers

1,352
citations

331538

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360920

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	New Synthesis and New Bio-Application of Cyclometalated Ruthenium(II) Complexes for Fast Mediated Electron Transfer with Peroxidase and Glucose Oxidase. <i>Inorganic Chemistry</i> , 2001, 40, 6529-6532.	1.9	120
2	(C5Me5)Ru-vinylidene complexes from terminal alkynes and propargyl alcohol derivatives. <i>Organometallics</i> , 1994, 13, 5030-5039.	1.1	103
3	Light-Driven Living/Controlled Radical Polymerization of Hydrophobic Monomers Catalyzed by Ruthenium(II) Metalacycles. <i>Macromolecules</i> , 2012, 45, 8135-8146.	2.2	83
4	Synthesis, Characterization, and Electrochemistry of Biorelevant Photosensitive Low-Potential Orthometalated Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 1626-1634.	1.9	77
5	Synthesis of Cycloruthenated Compounds as Potential Anticancer Agents. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3055-3066.	1.0	72
6	Cyclometalated N,N-dimethylbenzylamine ruthenium(II) complexes [Ru(C6HR1R2R3-o-CH2NMe2)(bpy)(RCN)2]PF6 for bioapplications: synthesis, characterization, crystal structures, redox properties, and reactivity toward PQQ-dependent glucose dehydrogenase. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4820-4832.	0.8	59
7	Ketone transfer hydrogenation reactions catalyzed by a phosphinite ruthenium PCP complex. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 124-129.	4.8	49
8	Synthesis and mesomorphism of stilbazole complexes of rhodium(I) and iridium(I). <i>Journal of Materials Chemistry</i> , 1991, 1, 251.	6.7	47
9	Low-Potential Cyclometalated Osmium(II) Mediators of Glucose Oxidase. <i>Inorganic Chemistry</i> , 2003, 42, 6598-6600.	1.9	45
10	Coordination of 12-Electron Organometallic Fragments to the Arene Ring of Nonsymmetric Group 10 POCOP Pincer Complexes. <i>Organometallics</i> , 2013, 32, 2661-2673.	1.1	40
11	Bis-Ruthena(III)cycles [Ru(Câ©N)2(Nâ©N)]PF6 as Low-Potential Mediators for PQQ Alcohol Dehydrogenase (Câ©N = 2-phenylpyridinato or 4-(2-tolyl)pyridinato, Nâ©N = bpy or phen). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2735-2738.	1.0	39
12	Cyclo- and hydrodimerization of Î±,Î²-unsaturated ketones promoted by samarium diiodide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 3609-3618.	0.9	35
13	Anticancer activity of ruthenium and osmium cyclometalated compounds: identification of ABCB1 and EGFR as resistance mechanisms. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 678-688.	3.0	34
14	Redox Mediation and Photomechanical Oscillations Involving Photosensitive Cyclometalated Ru(II) Complexes, Glucose Oxidase, and Peroxidase. <i>Analytical Chemistry</i> , 2005, 77, 1132-1139.	3.2	32
15	Facile synthesis of heterobimetallic compounds from the cyclopentadienyl-ruthenium moiety and group 10 POCOP pincer complexes. <i>Journal of Organometallic Chemistry</i> , 2012, 716, 103-109.	0.8	29
16	A redox ruthenium compound directly targets PHD2 and inhibits the HIF1 pathway to reduce tumor angiogenesis independently of p53. <i>Cancer Letters</i> , 2019, 440-441, 145-155.	3.2	28
17	Uncoupling Charge Movement from Channel Opening in Voltage-gated Potassium Channels by Ruthenium Complexes. <i>Journal of Biological Chemistry</i> , 2011, 286, 16414-16425.	1.6	26
18	The hemilabile behaviour of alkyl diphenylphosphinoacetate ligands promoting the reversible coordination of small molecules on (Î¶-6-arene)ruthenium(II) centres. <i>Journal of Organometallic Chemistry</i> , 1994, 471, 229-239.	0.8	25

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19	Iron(III) Pincer Complexes as a Strategy for Anticancer Studies. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1673-1678.	1.0	23
20	Chelating and Hemilabile Properties of β - and γ -Keto Phosphines: (η^6 -Arene)ruthenium(II) Derivatives from γ -Keto Phosphines, Synthesis and Reactivity of Bis(η^2 -keto) Tj ETQqO O 0 rgBT /Overlock.1.10 Tf 50 197 Td (ph	1.10	197
21	Easy Access to Bio-Inspired Osmium(II) Complexes through Electrophilic Intramolecular C(σ)-H Bond Cyclometalation. <i>Inorganic Chemistry</i> , 2008, 47, 4988-4995.	1.9	22
22	Impact of cyclometalated ruthenium(II) complexes on lactate dehydrogenase activity and cytotoxicity in gastric and colon cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 28-38.	1.5	22
23	Unusual phenomenon in the chemistry of orthometalated ruthenium (II) complexes. <i>Inorganica Chimica Acta</i> , 2006, 359, 883-887.	1.2	20
24	α -Living radical polymerization of styrene catalyzed by cyclometalated ruthenium(II) complexes bearing nonlabile ligands. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3814-3828.	2.5	19
25	TAML Activator-Based Amperometric Analytical Devices as Alternatives to Peroxidase Biosensors. <i>Analytical Chemistry</i> , 2012, 84, 9096-9100.	3.2	19
26	Denial of Tris(C,N-cyclometalated) Ruthenacycle: Nine-Membered η^6 -N,N-transo- η^2 -N,N-cisRuIIChelates of 2,2'-Bis(2-pyridinyl)-1,1'-biphenyl. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4866-4869.	1.0	18
27	Rational Synthesis of Heteroleptic Tris(chelate) Ruthenium Complexes [Ru(2-Ph-2'-Py)(L σ)(L σ)]PF ₆ by Selective Substitution of the Ligand Trans to the Ruthenated Phenyl Ring. <i>Organometallics</i> , 2013, 32, 5092-5097.	1.1	17
28	Macroscopic non-linearities of some stilbazolium derivatives and the calculation of their molecular hyperpolarisability. <i>Advanced Materials for Optics and Electronics</i> , 1994, 4, 293-301.	0.5	15
29	Cyclometalated 2-phenylpyridine complex [Ru(η^6 -C ₆ H ₄ py)(MeCN) ₄]PF ₆ as a tunable catalyst for living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4193-4204.	2.5	14
30	Cyclometalated [Os(C σ -N)(N σ -N)3 σ] ^{m+} mimetics of tris(2,2'-bipyridine)osmium(ii): covering a 2 V potential range by known (x = 0, 1) and new (x = 2, 3) species (C σ -N = o-2-phenylpyridinato). <i>Chemical Communications</i> , 2011, 47, 2823.	2.2	14
31	Hydrodimerization of Cyclic α,β Unsaturated Ketones Promoted by Samarium Iodide. <i>Synthetic Communications</i> , 1998, 28, 1103-1108.	1.1	13
32	Further Insight into the Lability of MeCN Ligands of Cytotoxic Cycloruthenated Compounds: Evidence for the Antisymbiotic Effect Trans to the Carbon Atom at the Ru Center. <i>Inorganic Chemistry</i> , 2015, 54, 7617-7626.	1.9	13
33	Synthesis of Poly(2-Acrylamido-2-Methylpropane Sulfonic Acid) and its Block Copolymers with Methyl Methacrylate and 2-Hydroxyethyl Methacrylate by Quasiliving Radical Polymerization Catalyzed by a Cyclometalated Ruthenium(II) Complex. <i>Polymers</i> , 2020, 12, 1663.	2.0	11
34	Light activation of cyclometalated ruthenium complexes drives towards caspase 3 dependent apoptosis in gastric cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2020, 208, 111080.	1.5	11
35	Homogeneous radical polymerization of 2-hydroxyethyl methacrylate mediated by cyclometalated cationic Ruthenium(II) complexes with PF ₆ ⁻ and Cl ⁻ in protic media. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4562-4577.	2.5	10
36	Thermal and microwave assisted polymerization of vinyl acetate catalyzed by cyclometalated ruthenium (II) complexes. <i>Polymer</i> , 2014, 55, 1656-1665.	1.8	10

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37	CRYSTAL STRUCTURES OF TRI(O-TOLYL)STIBINE IN TWO CRYSTAL FORMS. <i>Main Group Metal Chemistry</i> , 1998, 21, .	0.6	9
38	Preparative resolution of stable enantio-enriched POCOP-based planar chiral pincer complexes. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 125-134.	0.8	9
39	Cyclometalated Osmium Compounds and beyond: Synthesis, Properties, Applications. <i>Molecules</i> , 2021, 26, 1563.	1.7	9
40	2-Phenylpyridine ruthenacycles as effectors of glucose oxidase activity: inhibition by RuII and activation by RuIII. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 547-555.	1.1	8
41	Cyclometalated ruthenium(II) complexes of benzo[h]quinoline (bzqH) [Ru(bzq)(NCMe) ₄] ⁺ , [Ru(bzq)(LL)(NCMe) ₂] ⁺ , and [Ru(bzq)(LL) ₂] ⁺ (LL=bpy, phen). <i>Inorganica Chimica Acta</i> , 2010, 363, 567-573.	1.2	7
42	Application and Modification of Cyclometalated Ruthenium(II) Complex [Ru(o-C ₆ H ₄ -2-C ₅ H ₄ N)-(MeCN) ₄]PF ₆ for Atom Transfer Radical Polymerization. <i>Macromolecular Symposia</i> , 2006, 242, 25-33.	0.4	6
43	Synthesis and comparative behavior of ruthena(II)cycles bearing benzene ligand in the radical polymerization of styrene and vinyl acetate. <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 299-310.	0.8	6
44	Dibromine Promoted Transmetalation of an Organomercurial by Fe(CO) ₅ : Synthesis, Properties, and Cytotoxicity of Bis(2-C ₆ H ₅ CH ₂) ₂ -2-pyridyl dicarbonyliron(II). <i>Organometallics</i> , 2020, 39, 1842-1854.	1.1	6
45	Synthesis, Structural Characterization, and In Vitro and In Silico Antifungal Evaluation of Azo-Azomethine Pyrazoles (PhN ₂ (PhOH)CHN(C ₃ N ₂ (CH ₃) ₃)PhR, R = H or NO ₂). <i>Molecules</i> , 2021, 26, 7435.	1.7	6
46	STIBINE-MODIFIED WILKINSON'S CATALYST AND Co ₂ (CO) ₈ CATALYST: HYDROFORMYLATION OF 1-PENTENE. <i>Main Group Metal Chemistry</i> , 1999, 22, .	0.6	5
47	Mass spectrometric studies of cyclopentanol derivatives in the reductive coupling of α,β -unsaturated ketones assisted by samarium diiodide. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1699-1702.	0.7	5
48	Synthesis and antifungal activity of nitrophenyl-pyrazole substituted Schiff bases. <i>Journal of Molecular Structure</i> , 2022, 1253, 132289.	1.8	4
49	Hybridization vs. Bond Stretching Isomerism in Ru(II) Cyclometalated Complexes of 2-Phenylpyridine. <i>Molecules</i> , 2012, 17, 34-47.	1.7	3
50	In search for chelating TAMLs (tetraamido macrocyclic ligands) with peripheral bidentate donor centers: a cobalt(III) complex of the 3,3'-bis(2-pyridyl)-2,2'-bipyridyl-tailed TAML. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3909-3919.	0.8	3
51	A glance at the reactivity of osma(II)cycles [Os(C ^N) _x (bpy) _{3-x}] ^{m+} (x=0-3) Covering a 1.8V Potential Range toward Peroxidase through Monte Carlo Simulations (âˆƒC ^N =o-2-phenylpyridinato.) <i>Tj ETQq1 1 0.784314rgBT /Overlock 10</i>		
52	Tandem Michael addition-Claisen-type condensation of anions of O-ethyl carbonates of cyanohydrins to cyclohex-2-en-1-one. <i>Synthetic Communications</i> , 2017, 47, 1250-1255.	1.1	3
53	Living radical polymerization of hydrophobic monomers catalyzed by cyclometalated ruthenium(II) complexes: Improved control and formation of block co-polymers. <i>European Polymer Journal</i> , 2018, 108, 171-181.	2.6	3
54	Synthesis, Characterization, and Spectroscopic Properties of Allylic Ruthenium(II) Complexes of a Highly Conjugated Perinone. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3494-3502.	1.0	3

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55	Synthesis of Non-symmetric Ruthenium(II) POCOP Pincer Complexes and Their Bimetallic Derivatives by π -Coordination of Arenophile Fragments. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2700-2708.	1.0	3
56	2-Substituted perimidines: Zwitterionic tauterism in solid state, substituent effect on their crystal packing and biological activity. <i>Journal of Molecular Structure</i> , 2022, 1252, 132056.	1.8	3
57	Dehydrogenative Coupling of Alkyl or Arylsilanes Catalyzed by Ti(O-i-Pr) ₄ . <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1996, 1996, 1067-1068.	0.1	2
58	Cyclometalated Ruthenium(II) Complex as a Versatile Catalyst for Living/Controlled Radical Polymerization of Hydrophobic and Hydrophilic Monomers. <i>Macromolecular Symposia</i> , 2013, 325-326, 10-20.	0.4	2
59	Efficient synthesis in water of mixed carbonates of cyanohydrins from aromatic aldehydes. <i>Tetrahedron Letters</i> , 2020, 61, 151414.	0.7	2
60	Preparation and Characterization of Strongly Sulfonated Acid Block and Random Copolymer Membranes for Acetic Acid Esterification with 2-Propanol. <i>Polymers</i> , 2022, 14, 2595.	2.0	2
61	¹ H and ¹³ C 2D NMR Studies on Substituted δ -3-Pyrrolin 2-ones. <i>Analytical Sciences</i> , 1998, 14, 585-588.	0.8	1
62	Cyclodimerization of α,β -unsaturated ketones promoted by samarium diiodide. Complete assignment of the ¹ H and ¹³ C NMR spectra of hydroxycyclopentylpropenone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 215-218.	1.1	1
63	Recent Advances on O-Ethoxycarbonyl and O-Acyl Protected Cyanohydrins. <i>Molecules</i> , 2021, 26, 4691.	1.7	1
64	Di- μ -chlorido-bis[chlorido(η -6-hexamethylbenzene)ruthenium(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1369-m1369.	0.2	1
65	Di- μ -bromido-bis[bromido(η -6-1,2,4,5-tetramethylbenzene)ruthenium(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1684-m1684.	0.2	0