

Rita Mazzoni

List of Publications by Year in descending order

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66
papers

1,260
citations

331670

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434195

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all docs

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docs citations

69
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of the Shvo catalyst in homogeneous hydrogenation of bio-oil obtained from pyrolysis of white poplar: New mild upgrading conditions. <i>Fuel</i> , 2011, 90, 1197-1207.	6.4	71
2	N-Heterocyclic Carbene-Amide Rhodium(I) Complexes: Structures, Dynamics, and Catalysis. <i>Organometallics</i> , 2011, 30, 5258-5272.	2.3	66
3	Substrate and product role in the Shvo's catalyzed selective hydrogenation of the platform bio-based chemical 5-hydroxymethylfurfural. <i>Dalton Transactions</i> , 2014, 43, 10224-10234.	3.3	60
4	Ci Σ C Bond Formation in Diiron Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 10174-10194.	3.3	55
5	Synthesis, molecular structures and solution NMR studies of N-heterocyclic carbene \rightarrow amine silver complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2579-2591.	1.8	43
6	Oxidant free one-pot transformation of bio-based 2,5-bis-hydroxymethylfuran into 1 \pm -6-hydroxy-6-methyl-4-enyl-2H-pyran-3-one in water. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 38-43.	20.2	42
7	Dopamine amperometric detection at a ferrocene clicked PEDOT:PSS coated electrode. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2861-2867.	5.8	38
8	Mechanistic Insight into Electrocatalytic H ₂ Production by [Fe ₂ (CN) ₄ (CN(Me) ₂)(η ⁴ -CO)(CO)(Cp) ₂]: Effects of Dithiolate Replacement in [FeFe] Hydrogenase Models. <i>Inorganic Chemistry</i> , 2017, 56, 13852-13864.	4.0	35
9	Click-Derived Triazolylidenes as Chelating Ligands: Achievement of a Neutral and Luminescent Iridium(III) \rightarrow Triazolide Complex. <i>Inorganic Chemistry</i> , 2018, 57, 11673-11686.	4.0	35
10	Catalytic Biorefining of Ethanol from Wine Waste to Butanol and Higher Alcohols: Modeling the Life Cycle Assessment and Process Design. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 224-237.	6.7	35
11	Diiron Complexes Bearing Bridging Hydrocarbyl Ligands as Electrocatalysts for Proton Reduction. <i>Organometallics</i> , 2015, 34, 3228-3235.	2.3	34
12	Microwave-Assisted Synthesis of Functionalized Shvo-Type Complexes. <i>Organometallics</i> , 2014, 33, 2814-2819.	2.3	31
13	Sterically driven synthesis of ruthenium and ruthenium \rightarrow silver N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2014, 43, 17240-17243.	3.3	26
14	Ruthenium hydroxycyclopentadienyl N-heterocyclic carbene complexes as transfer hydrogenation catalysts. <i>RSC Advances</i> , 2015, 5, 94707-94718.	3.6	26
15	Enzyme electrodes based on sono-gel containing ferrocenyl compounds. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1317-1322.	10.1	25
16	A new tetraarylcyclopentadienone based low molecular weight gelator: synthesis, self-assembly properties and anion recognition. <i>New Journal of Chemistry</i> , 2012, 36, 1469.	2.8	24
17	Ruthenium(0) complexes with triazolylidene spectator ligands: Oxidative activation for (de)hydrogenation catalysis. <i>Journal of Organometallic Chemistry</i> , 2015, 793, 256-262.	1.8	23
18	Bimetallic Fe \rightarrow Au Carbonyl Clusters Derived from Collman \rightarrow s Reagent: Synthesis, Structure and DFT Analysis of Fe(CO) ₄ (AuNHC) ₂ and [Au ₃ Fe ₂ (CO) ₈ (NHC) ₂] \rightarrow . <i>Journal of Cluster Science</i> , 2017, 28, 703-723.	3.3	23

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19	PCSE NMR Studies on DAB-Organorhodium Dendrimers: Evaluation of the Molecular Size, Self-Aggregation Tendency, and Surface Metal Density. <i>Organometallics</i> , 2006, 25, 2201-2208.	2.3	22
20	[3+2+1] cycloaddition involving alkynes, CO and bridging vinyliminium ligands in diiron complexes: a dinuclear version of the Diels-Alder reaction?. <i>Chemical Communications</i> , 2010, 46, 3327.	4.1	22
21	N-Heterocyclic carbene rhodium(η^5) complexes containing an axis of chirality: dynamics and catalysis. <i>New Journal of Chemistry</i> , 2014, 38, 1768-1779.	2.8	21
22	An innovative synthesis pathway to benzodioxanes: the peculiar reactivity of glycerol carbonate and catechol. <i>Green Chemistry</i> , 2019, 21, 329-338.	9.0	21
23	Polymerization Isomerism in $[\{MFe(CO)_4\}_n]$ ($M = Ti, Zr, Hf$). <i>Chemistry</i> , 2019, 58, 2911-2915.	4.0	21
24	SPh functionalized bridging-vinyliminium diiron and diruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3191-3196.	1.8	20
25	Functionalized Ferrocenes from [3+2] Cycloadditions in Bridging Vinylalkylidene Diiron Complexes. <i>Organometallics</i> , 2009, 28, 3465-3472.	2.3	19
26	Boosting the Guerbet reaction: A cooperative catalytic system for the efficient bio-ethanol refinery to second-generation biofuels. <i>Journal of Catalysis</i> , 2022, 405, 47-59.	6.2	19
27	Morphiceptin Analogues Containing a Dipeptide Mimetic Structure: An Investigation on the Bioactive Topology at the μ -Receptor. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3153-3163.	6.4	16
28	Straightforward synthesis of iron cyclopentadienone N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2015, 44, 19063-19067.	3.3	16
29	Bond Forming Reactions Involving Isocyanides at Diiron Complexes. <i>Inorganics</i> , 2019, 7, 25.	2.7	16
30	Synthesis and Characterization of Heterobimetallic Carbonyl Clusters with Direct Au-Fe and Au-Au Interactions Supported by N-Heterocyclic Carbene and Phosphine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3084-3093.	2.0	16
31	Synthesis, reactivity and preliminary biological activity of iron(0) complexes with cyclopentadienone and amino-substituted N-heterocyclic carbene ligands. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4779.	3.5	16
32	Urea and Polyurea Production: An Innovative Solvent- and Catalyst-Free Approach through Catechol Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15640-15650.	6.7	16
33	Ethynylferrocene insertion into Fe-C bond in bridging aminocarbyne diiron complexes: New triiron vinyliminium complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2519-2525.	1.8	15
34	Diastereospecific Bis-alkoxycarbonylation of 1,2-disubstituted Olefins Catalyzed by Aryl Diazo Diimine Palladium(II) Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3507-3517.	4.3	15
35	Synthesis of new poly(propylenimine) dendrimers DAB-dendr-[NH(O)COCH ₂ CH ₂ OC(O)C ₅ H ₄ Rh(NBD)] _n ($n = 4, 8, 16, 32, 64$) functionalized with alkoxycarbonylcyclopentadienyl complexes of rhodium(I). <i>Dalton Transactions</i> , 2004, , 2767-2770.	3.3	14
36	Negatively charged Ir(η^5) cyclometalated complexes containing a chelating bis-tetrazolato ligand: synthesis, photophysics and the study of reactivity with electrophiles. <i>Dalton Transactions</i> , 2016, 45, 12884-12896.	3.3	14

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37	Hydrogen Transfer Activation via Stabilization of Coordinatively Vacant Sites: Tuning Long-Range π -System Electronic Interaction between Ru(0) and NHC Pendants. <i>Organometallics</i> , 2019, 38, 1041-1051.	2.3	14
38	A Comparative Experimental and Computational Study of Heterometallic Fe-M (M = Cu, Ag, Au) Carbonyl Clusters Containing N-Heterocyclic Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2191-2202.	2.0	14
39	When the Metal Makes the Difference: Template Syntheses of Tridentate and Tetradentate Salen-Type Schiff Base Ligands and Related Complexes. <i>Crystals</i> , 2021, 11, 483.	2.2	14
40	Iron(ii) catalyzed dehydrative etherification of alcohols: a convenient route to ferrocenylmethanol-ethers. <i>RSC Advances</i> , 2012, 2, 6810.	3.6	13
41	Bringing Homogeneous Iron Catalysts on the Heterogeneous Side: Solutions for Immobilization. <i>Molecules</i> , 2021, 26, 2728.	3.8	13
42	Thermal Growth of Au-Fe Heterometallic Carbonyl Clusters Containing N-Heterocyclic Carbene and Phosphine Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 2228-2240.	4.0	13
43	Iron-Catalyzed Ferrocenylmethanol OH Substitution by S, N, P, and C Nucleophiles. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3710-3718.	2.0	12
44	Homogeneous, Heterogeneous and Nanocatalysis. <i>RSC Green Chemistry</i> , 2014, , 1-39.	0.1	12
45	Imidazolium Salts of Ruthenium Anionic Cyclopentadienone Complexes: Ion Pair for Bifunctional Catalysis in Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1114-1122.	2.0	12
46	Coordination Chemistry of Ester-Functionalized Cp Ligands. A Versatile Approach to the Chiral Hydroxyalkoxycarbonylcyclopentadienide [C ₅ H ₄ CO ₂ (CHMe) ₂ OH] ⁻ . Synthesis, Structure, and Catalytic Activity of Rhodium(I) and Iron(II) Complexes. <i>Organometallics</i> , 2002, 21, 4993-4999.	2.3	11
47	New and Selective Routes to Functionalized Biferrocenes and Terferrocenes by [3 + 2] Cycloadditions of Alkynes with Bridging C ₃ Ligands in Diiron Complexes. <i>Organometallics</i> , 2011, 30, 1175-1181.	2.3	10
48	Ferrocenes Containing a Pendant Propargylic Chain Obtained via Addition of Propargyl Alcohol to η^5 -Vinyliminium Ligands in Diiron Complexes. <i>Organometallics</i> , 2012, 31, 2667-2674.	2.3	10
49	Bimetallic Co-M (M = Cu, Ag, and Au) Carbonyl Complexes Supported by N-Heterocyclic Carbene Ligands: Synthesis, Structures, Computational Investigation, and Catalysis for Ammonia Borane Dehydrogenation. <i>Organometallics</i> , 2021, 40, 2724-2735.	2.3	10
50	Application of the SMALP technology to the isolation of GPCRs from low-yielding cell lines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183641.	2.6	10
51	Advances in Catalytic Routes for the Homogeneous Green Conversion of the Bio-Based Platform 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2022, 15, .	6.8	10
52	Zwitterionic diiron vinyliminium complexes: Alkylation, metalation and oxidative coupling at the S and Se functionalities. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2383-2391.	1.8	9
53	Synthesis and Reactivity of Poly(propyleneimine) Dendrimers Functionalized with Cyclopentadienone N-Heterocyclic-Carbene Ruthenium(0) Complexes. <i>Catalysts</i> , 2020, 10, 264.	3.5	9
54	On the importance of cyanide in diiron bridging carbyne complexes, unconventional [FeFe]-hydrogenase mimics without dithiolate: An electrochemical and DFT investigation. <i>Inorganica Chimica Acta</i> , 2020, 510, 119745.	2.4	8

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55	Hydroformylation of olefins catalysed by alkoxycarbonylcyclopentadienyl complexes of rhodium(I). Journal of Molecular Catalysis A, 2003, 206, 153-161.	4.8	7
56	Coordination chemistry of ester-functionalized cp ligands: synthesis and catalytic activity of [Rh{CpCO ₂ (CHPh) ₂ OH}(NBD)] and [Rh{CpCO ₂ (CH ₂) ₃ OH}(NBD)]. Journal of Organometallic Chemistry, 2004, 689, 2216-2227.	1.8	6
57	Advances in Catalytic Routes for the Homogeneous Green Conversion of the Bio-Based Platform 5-Hydroxymethylfurfural. ChemSusChem, 2022, 15, .	6.8	6
58	Bridging Vinyliminium and Enaminoalkylidenediiron Complexes as Organometallic Ligands. European Journal of Inorganic Chemistry, 2009, 2009, 1268-1274.	2.0	5
59	Polysubstituted ferrocenes from [3+2] cycloaddition of alkynes with diiron bridging C3 ligands: Vinyliminium, bis-alkylidene and enimine. Journal of Organometallic Chemistry, 2014, 751, 336-342.	1.8	5
60	Synthesis of functionalized iron N-heterocyclic carbene complexes and their potential application as flame behavior modifier in cross linked epoxy resins. Inorganica Chimica Acta, 2021, 519, 120273.	2.4	5
61	Clean and efficient synthesis of air stable polymer-supported alkoxycarbonylcyclopentadienyl rhodium(I) complexes. Journal of Organometallic Chemistry, 2006, 691, 573-578.	1.8	4
62	Cyclopentadienone-NHC iron(0) complexes as low valent electrocatalysts for water oxidation. Catalysis Science and Technology, 2021, 11, 1407-1418.	4.1	4
63	Glucose Biosensor Mediated by 1,2-Diferrocenylethane in a Sono-Gel Composite Electrode. Electroanalysis, 2007, 19, 200-206.	2.9	2
64	Bis-amino functionalized iron N-heterocyclic carbene as epoxy resins hardener and flame behaviour modifier. AIP Conference Proceedings, 2019, , .	0.4	1
65	One-pot synthesis of the new dianionic ligand [Na] ₂ [C ₅ H ₄ CO ₂ (CH ₂) ₂ NTs]; preparation and structures of two rhodium derivatives. Journal of Organometallic Chemistry, 2005, 690, 818-824.	1.8	0
66	Front Cover Picture: Diastereospecific Bis-alkoxycarbonylation of 1,2-Disubstituted Olefins Catalyzed by Aryl \pm -Diimine Palladium(II) Catalysts (Adv. Synth. Catal. 18/2018). Advanced Synthesis and Catalysis, 2018, 360, 3425-3425.	4.3	0