

Gregorio Guisado-Barrios

List of Publications by Year in descending order

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papers

1,879
citations

361413

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docs citations

38
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline 1,2,3-Triazol-5-ylidenes: New Stable Mesoionic Carbenes (MICs). <i>Angewandte Chemie International Edition</i> , 2010, 49, 4759-4762.	13.8	367
2	Synthesis of Highly Stable 1,3-Diaryl-1,2,3-triazol-5-ylidenes and Their Applications in Ruthenium-Catalyzed Olefin Metathesis. <i>Organometallics</i> , 2011, 30, 2617-2627.	2.3	185
3	1,2,3-Triazol-5-ylidenes: Readily Available Mesoionic Carbenes. <i>Accounts of Chemical Research</i> , 2018, 51, 3236-3244.	15.6	165
4	Bis(1,2,3-triazol-5-ylidenes) (i-bitz) as Stable 1,4-Bidentate Ligands Based on Mesoionic Carbenes (MICs). <i>Organometallics</i> , 2011, 30, 6017-6021.	2.3	111
5	Isolation of a potassium bis(1,2,3-triazol-5-ylidene)carbazolide: a stabilizing pincer ligand for reactive late transition metal complexes. <i>Chemical Communications</i> , 2014, 50, 2431.	4.1	96
6	A Size-Flexible Organometallic Box for the Encapsulation of Fullerenes. <i>Angewandte Chemie International Edition</i> , 2019, 58, 5682-5686.	13.8	76
7	Hexanuclear Cylinder-Shaped Assemblies of Silver and Gold from Benzene-Heterocyclic Carbenes. <i>Organometallics</i> , 2014, 33, 5077-5080.	2.3	75
8	First homoleptic MIC and heteroleptic NHC-MIC coordination cages from 1,3,5-triphenylbenzene-bridged tris-MIC and tris-NHC ligands. <i>Chemical Communications</i> , 2015, 51, 13914-13917.	4.1	70
9	A rhodium-oxygen adduct as a selective catalyst for one-pot sequential alkyne dimerization-hydrothiolation tandem reactions. <i>Chemical Communications</i> , 2016, 52, 3504-3507.	4.1	67
10	Pyrene-Linked Bisimidazolylidene Complexes of Palladium and Some Catalytic Benefits Produced by Bimetallic Catalysts. <i>Chemistry - A European Journal</i> , 2013, 19, 10405-10411.	3.3	60
11	Nucleophilic T-Shaped (LXL)Au(I)-Pincer Complexes: Protonation and Alkylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15873-15876.	13.7	56
12	A Hemilabile and Cooperative Na-Donor-Functionalized 1,2,3-Triazol-5-ylidene Ligand for Alkyne Hydrothiolation Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 1393-1401.	3.3	46
13	$\text{Ir}^{\text{III}}/\text{Au}^{\text{I}}$ and $\text{Rh}^{\text{III}}/\text{Au}^{\text{I}}$ Heterobimetallic Complexes as Catalysts for the Coupling of Nitrobenzene and Benzylic Alcohol. <i>Organometallics</i> , 2018, 37, 4092-4099.	2.3	39
14	Anionic 1,2,3-Triazole-4,5-diylidene: A 1,2-Dihapto Ligand for the Construction of Bimetallic Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14627-14631.	3.3	30
15	A Size-Flexible Organometallic Box for the Encapsulation of Fullerenes. <i>Angewandte Chemie</i> , 2019, 131, 5738-5742.	2.0	27
16	Synthesis and Catalytic Applications of Heterobimetallic Carbene Complexes Obtained via Sequential Metalation of Two Bisazolium Salts. <i>Organometallics</i> , 2019, 38, 2120-2131.	2.3	27
17	Strongly Coordinating Ligands To Form Weakly Coordinating Yet Functional Organometallic Anions. <i>Journal of the American Chemical Society</i> , 2020, 142, 251-256.	13.7	27
18	(Di)triazolylidene manganese complexes in catalytic oxidation of alcohols to ketones and aldehydes. <i>Catalysis Science and Technology</i> , 2019, 9, 2421-2425.	4.1	26

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19	Novel Rhodium and Iridium Complexes Coordinated to C_3 -Symmetric Tris-NHC Ligands Based on a 1,3,5-Triphenylbenzene Core. Electronic and Catalytic Properties. <i>Organometallics</i> , 2014, 33, 3205-3211.	2.3	22
20	Cyclic decapeptide gramicidin S derivatives containing phosphines: novel ligands for asymmetric catalysis. <i>Dalton Transactions</i> , 2013, 42, 1973-1978.	3.3	20
21	Rhodium, iridium and nickel complexes with a 1,3,5-triphenylbenzene tris-MIC ligand. Study of the electronic properties and catalytic activities. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2584-2590.	2.2	19
22	Organic-carbon fractions in an agricultural topsoil assessed by the determination of the soil mineral surface area. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 699-705.	1.9	18
23	Tris-triazolium Salts as Anion Receptors and as Precursors for the Preparation of Cylinder-like Coordination Cages. <i>Organometallics</i> , 2019, 38, 697-701.	2.3	18
24	Ruthenium complexes with an N-heterocyclic carbene NNC-pincer ligand: preparation and catalytic properties. <i>Organic Chemistry Frontiers</i> , 2015, 2, 936-941.	4.5	17
25	Low temperature reaction of $[Fe(TPA)(CH_3CN)_2]^{2+}$ with excess 3-chloroperoxybenzoic acid in semi-frozen acetonitrile; EPR detection of an acylperoxy iron(III) adduct. <i>Inorganic Chemistry Communication</i> , 2012, 20, 81-85.	3.9	15
26	Visible-Light-Promoted Iridium(III)-Catalyzed Acceptorless Dehydrogenation of N-Heterocycles at Room Temperature. <i>ACS Catalysis</i> , 2022, 12, 6238-6245.	11.2	15
27	Self-Assembly of Di-N-Heterocyclic Carbene-Gold-Adorned Corannulenes on C_{60} . <i>Chemistry - A European Journal</i> , 2017, 23, 10644-10651.	3.3	13
28	Ruthenium(II) pincer complexes featuring an anionic CNC bis(1,2,3-triazol-5-ylidene)carbazolide ligand coordinated in a meridional fashion. <i>Polyhedron</i> , 2018, 143, 43-48.	2.2	13
29	Triazolium Salts as Appropriate Catalytic Scaffolds for 1,4-Additions to α,β -Unsaturated Carbonyls. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2160-2167.	2.4	10
30	Diverse Coordination Modes of Bidentate COC and Tridentate CNC Ligands Comprising 1,2,3-Triazol-5-ylidenes. <i>ACS Omega</i> , 2019, 4, 6360-6374.	3.5	9
31	High spin d_5 complexes of tris(6-hydroxymethyl-2-pyridylmethyl)amine (H3L): hepta-coordinated $[Mn(H3L)]Cl_2$ and linear trinuclear $[Fe_3L_2](ClO_4)_3$. <i>Dalton Transactions</i> , 2008, , 551-558.	3.3	8
32	A Platinum Molecular Complex Immobilised on the Surface of Graphene as Active Catalyst in Alkyne Hydrosilylation. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4254-4262.	2.0	8
33	Catalytic conversion of alkynes to α -vinyl sulfides mediated by carbene-linker-carbene (CXC) rhodium and iridium complexes. <i>Catalysis Science and Technology</i> , 2021, 11, 516-523.	4.1	7
34	Iron complexes of new hydrophobic derivatives of tris(2-pyridylmethyl)amine: synthesis, characterization, and catalysis of alkane oxygenation by H_2O_2 . <i>Journal of Coordination Chemistry</i> , 2010, 63, 2642-2658.	2.2	6
35	Coordination Singularities of a Bis(p-xylyl)bis(benzimidazolylidene) Ligand and the Bis-iridium and -rhodium-Related Complexes. <i>Organometallics</i> , 2013, 32, 6613-6619.	2.3	5