

Carmen Martin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,865
citations

430754

18
h-index

454834

30
g-index

34
all docs

34
docs citations

34
times ranked

2294
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Catalytic Preparation of Cyclic Organic Carbonates. <i>ACS Catalysis</i> , 2015, 5, 1353-1370.	5.5	865
2	Catalytic Coupling of Carbon Dioxide with Terpene Scaffolds: Access to Challenging Bio-Based Organic Carbonates. <i>ChemSusChem</i> , 2016, 9, 1304-1311.	3.6	102
3	Terpolymers Derived from Limonene Oxide and Carbon Dioxide: Access to Cross-Linked Polycarbonates with Improved Thermal Properties. <i>Macromolecules</i> , 2016, 49, 6285-6295.	2.2	101
4	Semiaromatic Polyesters Derived from Renewable Terpene Oxides with High Glass Transitions. <i>Macromolecules</i> , 2017, 50, 5337-5345.	2.2	101
5	Paramagnetic ionic liquid-coated SiO ₂ @Fe ₃ O ₄ nanoparticles – The next generation of magnetically recoverable nanocatalysts applied in the glycolysis of PET. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118110.	10.8	94
6	Highly Efficient Organocatalyzed Conversion of Oxiranes and CO ₂ into Organic Carbonates. <i>ChemSusChem</i> , 2015, 8, 3248-3254.	3.6	76
7	Easily accessible bifunctional Zn(salpyr) catalysts for the formation of organic carbonates. <i>Catalysis Science and Technology</i> , 2014, 4, 1615-1621.	2.1	67
8	Copolymerization of CO ₂ and Cyclohexene Oxide Mediated by Yb(salen)-Based Complexes. <i>Macromolecules</i> , 2015, 48, 8197-8207.	2.2	53
9	Copper-Carbene Intermediates in the Copper-Catalyzed Functionalization of O-H Bonds. <i>Chemistry - A European Journal</i> , 2015, 21, 9769-9775.	1.7	48
10	Comparing conventional and microwave-assisted heating in PET degradation mediated by imidazolium-based halometallate complexes. <i>New Journal of Chemistry</i> , 2019, 43, 3476-3485.	1.4	45
11	Chelating Assistance of C and H Bond Activation at Palladium and Nickel: Straightforward Access to Diverse Pincer Complexes from a Diphosphine-Phosphine Oxide. <i>Organometallics</i> , 2013, 32, 1121-1128.	1.1	34
12	Copper(I)-Olefin Complexes: The Effect of the Trispyrazolylborate Ancillary Ligand in Structure and Reactivity. <i>Organometallics</i> , 2010, 29, 3481-3489.	1.1	32
13	Redox-Active Hybrid Polyoxometalate-Stabilised Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14331-14335.	7.2	25
14	Rediscovering copper-based catalysts for intramolecular carbon-hydrogen bond functionalization by carbene insertion. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4777.	1.5	24
15	Bifunctional Aminotriphenolate Complexes as One-Component Catalysts for the Ring-Opening Copolymerization of Cyclic Anhydrides and Epoxides. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1921-1927.	1.0	23
16	Hydrotris(3-mesitylpyrazolyl)borato-copper(I) alkyne complexes: synthesis, structural characterization and rationalization of their activities as alkyne cyclopropanation catalysts. <i>Dalton Transactions</i> , 2012, 41, 5319.	1.6	22
17	Comparing kinetic profiles between bifunctional and binary type of Zn(salen)-based catalysts for organic carbonate formation. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1817-1825.	1.3	21
18	Combined Experimental/Computational Study of Iridium and Palladium Hydride PP(O)P Pincer Complexes. <i>Organometallics</i> , 2014, 33, 571-577.	1.1	19

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19	Stable N-heterocyclic Carbene (NHC)-Palladium(0) Complexes as Active Catalysts for Olefin Cyclopropanation Reactions with Ethyl Diazoacetate. <i>Chemistry - A European Journal</i> , 2011, 17, 14885-14895.	1.7	17
20	((R)-)-3-Hydroxyquinuclidium][FeCl ₄]; a plastic hybrid compound with chirality, ferroelectricity and long range magnetic ordering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4453-4465.	2.7	16
21	Synthesis and Structural Features of Co(II) and Co(III) Complexes Supported by Aminotrisphenolate Ligand Scaffolds. <i>Inorganic Chemistry</i> , 2014, 53, 11675-11681.	1.9	13
22	An Effective Dual Copper and Sulfide Catalytic System for the Epoxidation of Aldehydes with Phenyl diazomethane. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2942-2951.	2.1	12
23	Physical and Electrochemical Modulation of Polyoxometalate Ionic Liquids via Organic Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 456-460.	1.0	12
24	Blurring the boundary between homogenous and heterogeneous catalysis using palladium nanoclusters with dynamic surfaces. <i>Nature Communications</i> , 2021, 12, 4965.	5.8	12
25	Salt and Solvent Effects on the Kinetics and Thermodynamics of the Inclusion of the Ruthenium Complex [Ru(NH ₃) ₅ (4,4'-bpy)] ²⁺ in β -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12959-12963.	1.2	10
26	Coordination of a diphosphine-phosphine oxide to Au, Ag and Rh: when polyfunctionality rhymes with versatility. <i>Dalton Transactions</i> , 2012, 41, 14274.	1.6	7
27	Redox-Active Hybrid Polyoxometalate-Stabilised Gold Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, 14437-14441.	1.6	6
28	Formation of a Rotaxane from the End-Capping Process of a Pseudorotaxane. Effects of the Solvent. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11610-11615.	1.2	4
29	Synthesis of chiral iron-based ionic liquids: modelling stable hybrid materials. <i>New Journal of Chemistry</i> , 2020, 44, 6375-6383.	1.4	3
30	Chapter 13. Iron Complex-based Catalysts. <i>RSC Green Chemistry</i> , 2015, , 373-406.	0.0	1