

Julen Munarriz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/521369/publications.pdf>

Version: 2024-02-01

35
papers

627
citations

516710

16
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

792
citing authors

#	ARTICLE	IF	CITATIONS
1	Principles determining the activity of magnetic oxides for electron transfer reactions. <i>Journal of Catalysis</i> , 2018, 361, 331-338.	6.2	105
2	A well-defined NHC-Ir(III) catalyst for the silylation of aromatic C-H bonds: substrate survey and mechanistic insights. <i>Chemical Science</i> , 2017, 8, 4811-4822.	7.4	44
3	N-Heterocyclic olefins as ancillary ligands in catalysis: a study of their behaviour in transfer hydrogenation reactions. <i>Dalton Transactions</i> , 2016, 45, 12835-12845.	3.3	37
4	A highly efficient Ir-catalyst for the solventless dehydrogenation of formic acid: the key role of an N-heterocyclic olefin. <i>Green Chemistry</i> , 2018, 20, 4875-4879.	9.0	29
5	η^2 -(Z) Selectivity Control by Cyclometalated Rhodium(III)-Triazolylidene Homogeneous and Heterogeneous Terminal Alkyne Hydrosilylation Catalysts. <i>ACS Catalysis</i> , 2020, 10, 13334-13351.	11.2	28
6	Efficient Rhodium-Catalyzed Multicomponent Reaction for the Synthesis of Novel Propargylamines. <i>Chemistry - A European Journal</i> , 2015, 21, 17701-17707.	3.3	27
7	Fjord-Edge Graphene Nanoribbons with Site-Specific Nitrogen Substitution. <i>Journal of the American Chemical Society</i> , 2020, 142, 18093-18102.	13.7	24
8	Carboxylate-Assisted η^2 -(Z) Stereoselective Hydrosilylation of Terminal Alkynes Catalyzed by a Zwitterionic Bis-NHC Rhodium(III) Complex. <i>ACS Catalysis</i> , 2020, 10, 7367-7380.	11.2	24
9	Analysis of the Magnetic Entropy in Oxygen Reduction Reactions Catalysed by Manganite Perovskites. <i>ChemCatChem</i> , 2017, 9, 3358-3363.	3.7	22
10	A bimetallic iridium(II) catalyst: $[\{\text{Ir}(\text{IDipp})(\text{H})\}_2][\text{BF}_4]_2$ (IDipp = $\text{1,3-bis(2,6-diisopropylphenoxy)propane}$)	4.1	21
11	Mechanistic Insights on the Functionalization of CO ₂ with Amines and Hydrosilanes Catalyzed by a Zwitterionic Iridium Carboxylate-Functionalized Bis-NHC Catalyst. <i>ChemCatChem</i> , 2019, 11, 5524-5535.	3.7	20
12	Alloying with Sn Suppresses Sintering of Size-Selected Subnano Pt Clusters on SiO ₂ with and without Adsorbates. <i>Chemistry of Materials</i> , 2020, 32, 8595-8605.	6.7	19
13	Understanding the reaction mechanism of the oxidative addition of ammonia by (PXP)Ir complexes: the role of the X group. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1105-1113.	2.8	18
14	An Insight into Transfer Hydrogenation Reactions Catalysed by Iridium(III) Bis-N-heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4388-4395.	2.0	17
15	Two-Dimensional Arrangements of Bis(haloethynyl)benzenes Combining Halogen and Hydrogen Interactions. <i>Crystal Growth and Design</i> , 2017, 17, 6212-6223.	3.0	16
16	Orbital Physics of Perovskites for the Oxygen Evolution Reaction. <i>Topics in Catalysis</i> , 2018, 61, 267-275.	2.8	16
17	On the Role of Ferromagnetic Interactions in Highly Active Mo-Based Catalysts for Ammonia Synthesis. <i>ChemPhysChem</i> , 2018, 19, 2843-2847.	2.1	16
18	Copper-Catalyzed Azide-Alkyne Cycloaddition (CuAAC) by Functionalized NHC-Based Polynuclear Catalysts: Scope and Mechanistic Insights. <i>Organometallics</i> , 2022, 41, 2154-2169.	2.3	16

#	ARTICLE	IF	CITATIONS
19	Efficient preparation of carbamates by Rh-catalysed oxidative carbonylation: unveiling the role of the oxidant. <i>Chemical Communications</i> , 2017, 53, 404-407.	4.1	15
20	Building Fluorinated Hybrid Crystals: Understanding the Role of Noncovalent Interactions. <i>Crystal Growth and Design</i> , 2018, 18, 6901-6910.	3.0	14
21	A bonding evolution theory study on the catalytic Noyori hydrogenation reaction. <i>Molecular Physics</i> , 2019, 117, 1315-1324.	1.7	14
22	Real-Space Approach to the Reaction Force: Understanding the Origin of Synchronicity/Nonsynchronicity in Multibond Chemical Reactions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1959-1972.	2.5	12
23	A first step towards quantum energy potentials of electron pairs. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4215-4223.	2.8	11
24	Impact of Green Cosolvents on the Catalytic Dehydrogenation of Formic Acid: The Case of Iridium Catalysts Bearing NHC-phosphane Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 15497-15508.	4.0	11
25	Fluxionality of Subnano Clusters Reshapes the Activity Volcano of Electrocatalysis. <i>ChemCatChem</i> , 2022, 14, .	3.7	10
26	Orthometallation of N-substituents at the NHC ligand of [Rh(Cl)(COD)(NHC)] complexes: its role in the catalytic hydrosilylation of ketones. <i>Catalysis Science and Technology</i> , 2015, 5, 1878-1887.	4.1	9
27	Valence-Shell Electron-Pair Repulsion Theory Revisited: An Explanation for Core Polarization. <i>Chemistry - A European Journal</i> , 2019, 25, 10938-10945.	3.3	7
28	Dynamical Bonding Driving Mixed Valency in a Metal Boride. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10996-11002.	13.8	5
29	Dynamical Bonding Driving Mixed Valency in a Metal Boride. <i>Angewandte Chemie</i> , 2020, 132, 11089-11095.	2.0	4
30	Energetics of Electron Pairs in Electrophilic Aromatic Substitutions. <i>Molecules</i> , 2021, 26, 513.	3.8	4
31	Atomic shell structure from Born probabilities: Comparison to other shell descriptors and persistence in molecules. <i>Journal of Chemical Physics</i> , 2022, 156, 164103.	3.0	4
32	Iridium catalysts featuring amine-containing ligands for the dehydrogenation of formic acid. <i>Journal of Organometallic Chemistry</i> , 2020, 916, 121259.	1.8	3
33	Interplay between non-covalent interactions in 1D supramolecular polymers based on 1,4-bis(iodoethynyl)benzene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3531-3542.	2.8	3
34	Towards a Single Chemical Model for Understanding Lanthanide Hexaborides. <i>Angewandte Chemie</i> , 2020, 132, 22873-22878.	2.0	2
35	Towards a Single Chemical Model for Understanding Lanthanide Hexaborides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22684-22689.	13.8	0