

Gabriel Abarca Anjari

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

494
citations

623734

14
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

596
citing authors

#	ARTICLE	IF	CITATIONS
1	Building Pyridinium Molecular Wires as Axial Ligands for Tuning the Electrocatalytic Activity of Iron Phthalocyanines for the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 8406-8419.	11.2	57
2	In search of the most active MN ₄ catalyst for the oxygen reduction reaction. The case of perfluorinated Fe phthalocyanine. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24776-24783.	10.3	52
3	Influence iron-iron distance on the thermal decomposition of ammonium perchlorate. New catalysts for the highly efficient combustion of solid rocket propellant. <i>Journal of Organometallic Chemistry</i> , 2020, 905, 121020.	1.8	34
4	Challenging Thermodynamics: Hydrogenation of Benzene to 1,3-cyclohexadiene by Ru@Pt Nanoparticles. <i>ChemCatChem</i> , 2017, 9, 204-211.	3.7	30
5	Novel <i>in situ</i> synthesis of copper nanoparticles supported on reduced graphene oxide and its application as a new catalyst for the decomposition of composite solid propellants. <i>RSC Advances</i> , 2019, 9, 8480-8489.	3.6	29
6	Sputtering deposition of gold nanoparticles onto graphene oxide functionalized with ionic liquids: biosensor materials for cholesterol detection. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9482-9486.	5.8	28
7	Heterobimetallic Catalysts for the Thermal Decomposition of Ammonium Perchlorate: Efficient Burning Rate Catalysts for Solid Rocket Motors and Missiles. <i>Inorganic Chemistry</i> , 2021, 60, 1436-1448.	4.0	27
8	Insights into the electronic structure of Fe penta-coordinated complexes. Spectroscopic examination and electrochemical analysis for the oxygen reduction and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23802-23816.	10.3	27
9	Methoxycarbonylation of olefins catalyzed by palladium(II) complexes containing naphthyl(diphenyl)phosphine ligands. <i>Applied Organometallic Chemistry</i> , 2014, 28, 364-371.	3.5	22
10	Mechanistic Insights into the Thermal Decomposition of Ammonium Perchlorate: The Role of Amino-Functionalized Magnetic Nanoparticles. <i>Inorganic Chemistry</i> , 2022, 61, 1447-1455.	4.0	22
11	Influence of cyano substituents on the electron density and catalytic activity towards the oxygen reduction reaction for iron phthalocyanine. The case for Fe(II) 2,3,9,10,16,17,23,24-octa(cyano)phthalocyanine. <i>Electrochemistry Communications</i> , 2020, 118, 106784.	4.7	20
12	Nanohybrids of reduced graphene oxide and cobalt hydroxide (Co(OH) ₂ rGO) for the thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , 2020, 10, 23165-23172.	3.6	19
13	Hierarchically structured polymeric ionic liquids and polyvinylpyrrolidone mat-fibers fabricated by electrospinning. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9733-9744.	10.3	18
14	Imprinted Naked Pt Nanoparticles on N-Doped Carbon Supports: A Synergistic Effect between Catalyst and Support. <i>Chemistry - A European Journal</i> , 2018, 24, 1365-1372.	3.3	17
15	Ruthenium carbonyl compounds containing polypyridine ligands as catalysts in the reaction of N-benzylideneaniline hydrogenation. <i>Inorganic Chemistry Communication</i> , 2012, 22, 146-148.	3.9	14
16	Methoxycarbonylation of Styrene Using a New Type of Palladium Complexes Bearing P,N-donor Ligands as Catalysts. <i>Catalysis Letters</i> , 2015, 145, 1396-1402.	2.6	13
17	Interaction of supported ionic liquids phases onto copper nanoparticles: A DFT study. <i>Journal of Molecular Liquids</i> , 2020, 310, 113089.	4.9	11
18	Save money during hydrogenation reactions by exploiting the superior performance of Pd-NPs deposited on carbon black by magnetron sputtering. <i>Tetrahedron</i> , 2017, 73, 5593-5598.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Tuning the structure and magnetic behavior of Ni ²⁺ /Ir-based nanoparticles in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10247-10257.	2.8	8
20	Bimetallic RuPd nanoparticles in ionic liquids: selective catalysts for the hydrogenation of aromatic compounds. <i>New Journal of Chemistry</i> , 2021, 45, 98-103.	2.8	8
21	Synthesis, structure and catalytic activities for hydrogen transfer reaction of the carbonyl ruthenium(II) complex containing polypyridine and phosphine ligands. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1519-1521.	3.9	6
22	Oxygen reduction reaction on a 68-atom-gold cluster supported on carbon nanotubes: theoretical and experimental analysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7529-7539.	5.9	6
23	Triazolium-based Ionic Liquids Supported on Alumina as Catalysts to Produce 5-HMF from Fructose. <i>ChemCatChem</i> , 2022, 14, .	3.7	6
24	Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.3	5
25	Highly modulated supported triazolium-based ionic liquids: direct control of the electronic environment on Cu nanoparticles. <i>Nanoscale Advances</i> , 2020, 2, 1325-1332.	4.6	4
26	Data of interaction of supported ionic liquids phases onto copper nanoparticles: A density functional theory study. <i>Data in Brief</i> , 2020, 33, 106562.	1.0	1
27	Catalytic Effects of Ruthenocene Bimetallic Compounds Derived from Fused Aromatic Ring Ligands on the Main Oxidizing Agent for Solid Rocket Motor. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
28	Bimetallic ruthenium compound derived from 6,12-dihydroindeno[1,2-b]fluorene ligand as burning rate catalyst for solid rocket motor propellant. <i>Journal of Organometallic Chemistry</i> , 2022, 973-974, 122408.	1.8	1
29	Advanced Surface Characterization Techniques in Nano- and Biomaterials. , 2019, , 35-55.		0