

Claudio Evangelisti

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104
papers

1,644
citations

22
h-index

34
g-index

111
ext. papers

1,915
ext. citations

5.3
avg, IF

4.92
L-index

#	Paper	IF	Citations
104	Palladium nanoparticles supported on polyvinylpyridine: Catalytic activity in Heck-type reactions and XPS structural studies. <i>Journal of Catalysis</i> , 2009 , 262, 287-293	7.3	111
103	New monodispersed palladium nanoparticles stabilized by poly-(N-vinyl-2-pyrrolidone): Preparation, structural study and catalytic properties. <i>Journal of Catalysis</i> , 2010 , 272, 246-252	7.3	81
102	Unraveling the Role of Low Coordination Sites in a Cu Metal Nanoparticle: A Step toward the Selective Synthesis of Second Generation Biofuels. <i>ACS Catalysis</i> , 2014 , 4, 2818-2826	13.1	75
101	Aminopropyl-silica-supported Cu nanoparticles: An efficient catalyst for continuous-flow Huisgen azide-alkyne cycloaddition (CuAAC). <i>Journal of Catalysis</i> , 2015 , 324, 25-31	7.3	60
100	First examples of gold nanoparticles catalyzed silane alcoholysis and silylative pinacol coupling of carbonyl compounds. <i>Tetrahedron Letters</i> , 2008 , 49, 3221-3224	2	50
99	Carbon dioxide reforming of methane over Ni _{1h} /SiO ₂ catalyst without coke formation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 58, 189-201	6.3	44
98	In-depth study of the mechanism of heavy metal trapping on the surface of hydroxyapatite. <i>Applied Surface Science</i> , 2019 , 475, 397-409	6.7	42
97	Palladium Nanoparticles Catalysts with Enhanced Alkaline Hydrogen Oxidation Activity for Anion Exchange Membrane Fuel Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4999-5008	6.1	39
96	Solvated gold atoms in the preparation of efficient supported catalysts: Correlation between morphological features and catalytic activity in the hydrosilylation of 1-hexyne. <i>Journal of Catalysis</i> , 2009 , 266, 250-257	7.3	38
95	Step-by-Step Growth of HKUST-1 on Functionalized TiO ₂ Surface: An Efficient Material for CO ₂ Capture and Solar Photoreduction. <i>Catalysts</i> , 2018 , 8, 353	4	38
94	Bimetallic Gold-Palladium vapour derived catalysts: The role of structural features on their catalytic activity. <i>Journal of Catalysis</i> , 2012 , 286, 224-236	7.3	35
93	Chemoselective hydrogenation of halonitroaromatics over Fe ₂ O ₃ -supported platinum nanoparticles: The role of the support on their catalytic activity and selectivity. <i>Journal of Molecular Catalysis A</i> , 2013 , 366, 288-293		35
92	Well-formed, size-controlled ruthenium nanoparticles active and stable for acetic acid steam reforming. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 599-611	21.8	34
91	Platinum on carbonaceous supports for glycerol hydrogenolysis: Support effect. <i>Journal of Catalysis</i> , 2015 , 325, 111-117	7.3	33
90	Epoxidation of alkenes through oxygen activation over a bifunctional CuO/Al ₂ O ₃ catalyst. <i>Chemical Communications</i> , 2013 , 49, 1957-9	5.8	32
89	Nanostructured ruthenium on Al ₂ O ₃ catalysts for the efficient hydrogenation of aromatic compounds. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 639-646	2.3	31
88	Investigation of the promoting effect of Mn on a Pt/C catalyst for the steam and aqueous phase reforming of glycerol. <i>Journal of Catalysis</i> , 2017 , 349, 75-83	7.3	30

87	Lactic Acid from Glycerol by Ethylene-Stabilized Platinum-Nanoparticles. <i>ACS Catalysis</i> , 2016 , 6, 1671-1674.	4.1	30
86	New palladium catalysts on polyketone prepared through different smart methodologies and their use in the hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2012 , 447-448, 49-59	5.1	27
85	Ultrafine palladium nanoparticles immobilized into poly(4-vinylpyridine)-based porous monolith for continuous-flow Mizoroki-Heck reaction. <i>Journal of Molecular Catalysis A</i> , 2016 , 414, 55-61		25
84	Copper mediated epoxidation of high oleic natural oils with a cumene/O ₂ system. <i>Catalysis Communications</i> , 2015 , 64, 80-85	3.2	24
83	Glucose-coated superparamagnetic iron oxide nanoparticles prepared by metal vapour synthesis are electively internalized in a pancreatic adenocarcinoma cell line expressing GLUT1 transporter. <i>PLoS ONE</i> , 2015 , 10, e0123159	3.7	24
82	Electron-poor copper nanoparticles over amorphous zirconia-silica as all-in-one catalytic sites for the methanol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 118016	21.8	22
81	Hybrid Au/CuO Nanoparticles: Effect of Structural Features for Selective Benzyl Alcohol Oxidation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2864-2871	3.8	21
80	Palladium-nanoparticles on end-functionalized poly(lactic acid)-based stereocomplexes for the chemoselective cinnamaldehyde hydrogenation: Effect of the end-group. <i>Journal of Catalysis</i> , 2015 , 330, 187-196	7.3	20
79	TiO Nanotubes Arrays Loaded with Ligand-Free Au Nanoparticles: Enhancement in Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31051-31058	9.5	20
78	Palladium nanoparticles supported on Smopex metal scavengers as catalyst for carbonylative Sonogashira reactions: Synthesis of alkynyl ketones. <i>Applied Catalysis A: General</i> , 2014 , 480, 1-9	5.1	20
77	CrOx/SiO ₂ catalysts prepared by metal vapour synthesis: Physical-chemical characterisation and functional testing in oxidative dehydrogenation of propane. <i>Chemical Engineering Journal</i> , 2011 , 166, 1132-1138	14.7	19
76	Nanoscale Cu supported catalysts in the partial oxidation of cyclohexane with molecular oxygen. <i>Catalysis Letters</i> , 2007 , 116, 57-62	2.8	19
75	Remarkable Efficiency Improvement in the Preparation of Insoluble Polymer-Bound (IPB) Enantioselective Catalytic Systems by the Use of Silicone Chemistry. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 375-379	5.6	19
74	Characterization of a Poly-4-Vinylpyridine-Supported CuPd Bimetallic Catalyst for Sonogashira Coupling Reactions. <i>ChemPhysChem</i> , 2017 , 18, 1921-1928	3.2	18
73	Gold nanoparticles obtained by aqueous digestive ripening: Their application as X-ray contrast agents. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 28-33	9.3	18
72	Supported rhodium nanoparticles in catalysis: the role of stabilizers on catalytic activity and structural features. <i>Journal of Organometallic Chemistry</i> , 2003 , 681, 37-50	2.3	18
71	Polyvinylpyridine-Supported Palladium Nanoparticles: A Valuable Catalyst for the Synthesis of Alkynyl Ketones via Acyl Sonogashira Reactions. <i>Catalysis Letters</i> , 2020 , 150, 652-659	2.8	18
70	Hydrogenolysis of Benzyl Protected Phenols and Aniline Promoted by Supported Palladium Nanoparticles. <i>ChemistrySelect</i> , 2017 , 2, 384-388	1.8	16

69	Dehydrogenative coupling promoted by copper catalysts: a way to optimise and upgrade bio-alcohols. <i>Catalysis Science and Technology</i> , 2017 , 7, 1386-1393	5.5	16
68	Platinum nanoparticles onto pegylated poly(lactic acid) stereocomplex for highly selective hydrogenation of aromatic nitrocompounds to anilines. <i>Applied Catalysis A: General</i> , 2017 , 537, 50-58	5.1	14
67	Finely Iron-Dispersed Particles on Zeolite from Solvated Iron Atoms: Promising Catalysts for NH ₃ -SCO. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11723-11733	3.8	14
66	Gold-silver catalysts: Effect of catalyst structure on the selectivity of glycerol oxidation. <i>Journal of Catalysis</i> , 2018 , 368, 324-335	7.3	14
65	Polyvinylpyridine-Supported Palladium Nanoparticles: An Efficient Catalyst for Suzuki-Miyaura Coupling Reactions. <i>Catalysts</i> , 2020 , 10, 330	4	13
64	Capping Agent Effect on Pd-Supported Nanoparticles in the Hydrogenation of Furfural. <i>Catalysts</i> , 2020 , 10, 11	4	13
63	Iron-montmorillonite clays as active sorbents for the decontamination of hazardous chemical warfare agents. <i>Dalton Transactions</i> , 2018 , 47, 2939-2948	4.3	13
62	Ruthenium on Carbonaceous Materials for the Selective Hydrogenation of HMF. <i>Molecules</i> , 2018 , 23,	4.8	13
61	Fluidic Manufacture of Star-Shaped Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017 , 23, 9732-9735	4.85	12
60	Gold nanoparticles morphology does not affect the multivalent presentation and antibody recognition of Group A Streptococcus synthetic oligorhamnans. <i>Bioorganic Chemistry</i> , 2020 , 99, 103815	5.1	12
59	Ethyl lactate from dihydroxyacetone by a montmorillonite-supported Pt(II) diphosphane complex. <i>Journal of Catalysis</i> , 2017 , 350, 133-140	7.3	11
58	Bio Adipic Acid Production from Sodium Muconate and Muconic Acid: A Comparison of two Systems. <i>ChemCatChem</i> , 2019 , 11, 3075-3084	5.2	11
57	A supported Pd-Cu/Al ₂ O ₃ membrane from solvated metal atoms for hydrogen separation/purification. <i>Fuel Processing Technology</i> , 2019 , 195, 106141	7.2	10
56	Titanium-silica catalyst derived from defined metallic titanium cluster precursor: Synthesis and catalytic properties in selective oxidations. <i>Inorganica Chimica Acta</i> , 2018 , 470, 393-401	2.7	10
55	A new platinum vapor-derived highly efficient hydrosilylation catalyst: NMR structural investigation. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1276-1282	2.3	10
54	A Gold-Palladium Nanoparticle Alloy Catalyst for CO Production from CO ₂ Electroreduction. <i>Energy Technology</i> , 2019 , 7, 1800859	3.5	10
53	Influence of carbon support properties in the hydrodeoxygenation of vanillin as lignin model compound. <i>Catalysis Today</i> , 2021 , 367, 220-227	5.3	10
52	Second Youth of a Metal-Free Dehydrogenation Catalyst: When Al ₂ O ₃ Meets Coke Under Oxygen- and Steam-Free Conditions. <i>ACS Catalysis</i> , 2019 , 9, 9474-9484	13.1	9

51	Metal vapour derived supported rhodium nanoparticles in the synthesis of β -lactams and β -lactones derivatives. <i>Journal of Organometallic Chemistry</i> , 2012 , 700, 20-28	2.3	9
50	The control of the growth of Pt clusters in solution: A way to prepare Pt particles of tailored size. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1813-1817	2.3	9
49	On demand production of ethers or alcohols from furfural and HMF by selecting the composition of a Zr/Si catalyst. <i>Catalysis Science and Technology</i> , 2020 , 10, 7502-7511	5.5	9
48	Glycerol to lactic acid conversion by NHC-stabilized iridium nanoparticles. <i>Journal of Catalysis</i> , 2018 , 368, 298-305	7.3	9
47	Effect of Carbon Support, Capping Agent Amount, and Pd NPs Size for Bio-Adipic Acid Production from Muconic Acid and Sodium Muconate. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
46	Synthesis of Nanocrystalline TiO ₂ Embedded in a Carbonaceous Matrix from TiF ₄ and D-Fructose. <i>Inorganic Chemistry</i> , 2016 , 55, 1816-20	5.1	8
45	Supported rhodium nanoparticles obtained by Metal Vapour Synthesis as catalysts in the preparation of valuable organic compounds. <i>Applied Catalysis A: General</i> , 2008 , 339, 84-92	5.1	8
44	Combination of interfacial reduction of hexavalent chromium and trivalent chromium immobilization on tin-functionalized hydroxyapatite materials. <i>Applied Surface Science</i> , 2021 , 539, 148227	6.7	8
43	Epoxidation of Karanja (<i>Millettia pinnata</i>) Oil Methyl Esters in the Presence of Hydrogen Peroxide over a Simple Niobium-Containing Catalyst. <i>Catalysts</i> , 2019 , 9, 344	4	7
42	Supported Tris-Triazole Ligands for Batch and Continuous-Flow Copper-Catalyzed Huisgen 1,3-Dipolar Cycloaddition Reactions. <i>Catalysts</i> , 2020 , 10, 434	4	7
41	Gold as a modifier of metal nanoparticles: effect on structure and catalysis. <i>Faraday Discussions</i> , 2018 , 208, 395-407	3.6	7
40	Furfural Hydrogenation on Modified Niobia. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2287	2.6	7
39	A convenient preparation of La ₂ CuO ₄ from molecular precursors. <i>Polyhedron</i> , 2017 , 123, 33-38	2.7	7
38	Water Gas Shift Reaction in Pd-Based Membrane Reactors. <i>Advances in Science and Technology</i> , 2010 , 72, 99-104	0.1	7
37	Synthesis of Pterostilbene through supported-catalyst promoted Mizoroki-Heck reaction, and its transposition in continuous flow reactor. <i>Journal of Flow Chemistry</i> , 2019 , 9, 133-143	3.3	7
36	CNF-Functionalization as Versatile Tool for Tuning Activity in Cellulose-Derived Product Hydrogenation. <i>Molecules</i> , 2019 , 24,	4.8	6
35	Gold-iridium catalysts for the hydrogenation of biomass derived products. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1771-1775	11.3	6
34	XAFS structural characterization of Cu vapour derived catalysts supported on poly-4-vinylpyridine and carbon. <i>X-Ray Spectrometry</i> , 2017 , 46, 82-87	0.9	6

33	Metal Vapor-Derived Nanostructured Catalysts in Fine Chemistry: The Role Played by Particle Size in the Catalytic Activity and Selectivity 2008 , 437-451		6
32	Palladium Nanoparticles Supported on Smopex-234□ as Valuable Catalysts for the Synthesis of Heterocycles. <i>Catalysts</i> , 2021 , 11, 706	4	6
31	Synthesis of a highly reactive form of WOCl, its conversion into nanocrystalline mono-hydrated WO and coordination compounds with tetramethylurea. <i>Dalton Transactions</i> , 2016 , 45, 15342-15349	4-3	6
30	Base-free glycerol oxidation over N-TiO ₂ supported AuPt catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 128, 979-990	1.6	5
29	Direct Synthesis of Hydrogen Peroxide under Semi-Batch Conditions over Un-Promoted Palladium Catalysts Supported by Ion-Exchange Sulfonated Resins: Effects of the Support Morphology. <i>Catalysts</i> , 2019 , 9, 124	4	5
28	Carbon-Supported Au Nanoparticles: Catalytic Activity Ruled Out by Carbon Support. <i>Topics in Catalysis</i> , 2018 , 61, 1928-1938	2-3	5
27	Size-controlled synthesis and NMR characterization of mesitylene-vinylsiloxanes stabilized Pt nanoparticles in solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 2096-101	1-3	5
26	Photoelectrochemical Behavior of Electrophoretically Deposited Hematite Thin Films Modified with Ti(IV). <i>Molecules</i> , 2016 , 21,	4.8	5
25	Some insight on the structure/activity relationship of metal nanoparticles in Cu/SiO ₂ catalysts. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1788-1794	11-3	5
24	Synergistic Effect in Au-Cu Bimetallic Catalysts for the Valorization of Lignin-Derived Compounds. <i>Catalysts</i> , 2020 , 10, 332	4	4
23	Selective catalytic amination of halogenated aldehydes with calcined palladium catalysts.. <i>RSC Advances</i> , 2018 , 8, 15202-15206	3-7	4
22	Metal vapor synthesis of ultrasmall Pd nanoparticles functionalized with N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2018 , 47, 12647-12651	4-3	4
21	EXAFS and XANES structural characterization of bimetallic AuPd vapor derived catalysts. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012052	0-3	4
20	Water soluble heptakis(6-deoxy-6-thio)cyclomaltoheptaose capped gold nanoparticles via metal vapour synthesis: NMR structural characterization and complexation properties. <i>Carbohydrate Research</i> , 2011 , 346, 753-8	2-9	4
19	Size-dependent catalytic effect of magnetite nanoparticles in the synthesis of tunable magnetic polyaniline nanocomposites. <i>Chemical Papers</i> , 2021 , 75, 5057-5069	1-9	4
18	The Role of Support Hydrophobicity in the Selective Hydrogenation of Enones and Unsaturated Sulfones over Cu/SiO ₂ Catalysts. <i>Catalysts</i> , 2020 , 10, 515	4	3
17	Structural characterization of bimetallic Pd-Cu vapor derived catalysts. <i>Journal of Physics: Conference Series</i> , 2016 , 712, 012057	0-3	3
16	A way to decylamine-stabilized gold nanoparticles of tailored sizes tuning their growth in solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2226-31	1-3	3

15	Synergy between Nickel Nanoparticles and N-Enriched Carbon Nanotubes Enhances Alkaline Hydrogen Oxidation and Evolution Activity. <i>ACS Applied Nano Materials</i> , 2021 , 4, 3586-3596	5.6	3
14	Bifunctional Europium(III) and Niobium(V)-Containing Saponite Clays for the Simultaneous Optical Detection and Catalytic Oxidative Abatement of Blister Chemical Warfare Agents. <i>Chemistry - A European Journal</i> , 2021 , 27, 4723-4730	4.8	3
13	Discovering indium as hydrogen production booster for a Cu/SiO ₂ catalyst in steam reforming of methanol. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120398	21.8	3
12	Gold-Silver Catalysts: Ruling Factors for Establishing Synergism. <i>ChemCatChem</i> , 2019 , 11, 4043-4053	5.2	2
11	A Proof-of-Concept Portable Water Purification Device Obtained from PET Bottles and a Magnetite-Carbon Nanocomposite. <i>Recycling</i> , 2018 , 3, 31	3.2	2
10	Nano-structured Solids and Heterogeneous Catalysts for the Selective Decontamination of Chemical Warfare Agents. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2014 , 275-284	0.1	2
9	Solvated Metal Atoms in the Preparation of Catalytic Membranes 2011 , 371-380		2
8	Tailoring and stabilization of ultrafine rhodium nanoparticles on γ -Al ₂ O ₃ by troctylamine: Dependence of the surface properties on the preparation route. <i>Studies in Surface Science and Catalysis</i> , 2005 , 155, 227-237	1.8	2
7	Total Synthesis of Asparenediol by Two Sonogashira Cross-Coupling Reactions Promoted by Supported Pd and Cu Catalysts. <i>Synthesis</i> , 2020 , 52, 1795-1803	2.9	1
6	Gold nanoparticles onto cerium oxycarbonate as highly efficient catalyst for aerobic allyl alcohol oxidation. <i>Catalysis Communications</i> , 2020 , 140, 105989	3.2	1
5	From metal vapor to supported single atoms, clusters and nanoparticles: Recent advances to heterogeneous catalysts. <i>Inorganica Chimica Acta</i> , 2022 , 533, 120782	2.7	1
4	More Efficient Prussian Blue Nanoparticles for an Improved Caesium Decontamination from Aqueous Solutions and Biological Fluids. <i>Molecules</i> , 2020 , 25,	4.8	1
3	Selectivity Switch in the Aerobic 1,2-Propanediol Oxidation Catalyzed by Diamine-Stabilized Palladium Nanoparticles. <i>ChemCatChem</i> , 2021 , 13, 2896-2906	5.2	1
2	Microgels as Soluble Scaffolds for the Preparation of Noble Metal Nanoparticles Supported on Nanostructured Metal Oxides. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8343-8351	5.6	1
1	New insights for the catalytic oxidation of cyclohexane to K-A oil. <i>Journal of Energy Chemistry</i> , 2022 , 70, 45-51	12	0