

Delia Gazzoli

List of Publications by Year in descending order

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59
papers

1,349
citations

331670

21
h-index

361022

35
g-index

59
all docs

59
docs citations

59
times ranked

2070
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman and X-ray investigations of the incorporation of Ca ²⁺ and Cd ²⁺ in the ZrO ₂ structure. Journal of Raman Spectroscopy, 2007, 38, 824-831.	2.5	106
2	Synthesis and catalytic activity of manganese dioxide (type OMS-2) for the abatement of oxygenated VOCs. Catalysis Today, 2008, 133-135, 487-492.	4.4	94
3	WO _x /ZrO ₂ catalysts. Applied Catalysis A: General, 2004, 269, 169-177.	4.3	75
4	Stability improvements of Ni γ -Al ₂ O ₃ catalysts to obtain hydrogen from methane reforming. International Journal of Hydrogen Energy, 2009, 34, 2260-2268.	7.1	74
5	Preparation and Characterization of Nanocomposite Polymer Membranes Containing Functionalized SnO ₂ Additives. Membranes, 2014, 4, 123-142.	3.0	69
6	Characterization of the Zirconia-Supported Tungsten Oxide System by Laser Raman and Diffuse Reflectance Spectroscopies. Journal of Physical Chemistry B, 1997, 101, 11129-11135.	2.6	60
7	WO _x /ZrO ₂ catalysts. Applied Catalysis A: General, 2002, 231, 173-184.	4.3	54
8	Formation of the MoVI Surface Phase on MoO _x /ZrO ₂ Catalysts. The Journal of Physical Chemistry, 1995, 99, 5556-5567.	2.9	52
9	Modifications induced by pretreatments on Au/SBA-15 and their influence on the catalytic activity for low temperature CO oxidation. Physical Chemistry Chemical Physics, 2009, 11, 593-602.	2.8	46
10	The nature of surface chromium species on CrO _x /ZrO ₂ catalysts. Journal of Molecular Catalysis, 1989, 55, 23-33.	1.2	42
11	Preparation, Characterisation, and Photocatalytic Behaviour of CoTiO_2 with Visible Light Response. International Journal of Photoenergy, 2008, 2008, 1-9.	2.5	42
12	XPS and EPR study of high and low surface area CoO γ -MgO solid solutions: surface composition and Co ²⁺ ion dispersion. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4567-4574.	1.7	41
13	Characterization of Carbon Nanotube Dispersions in Solutions of Bile Salts and Derivatives Containing Aromatic Substituents. Journal of Physical Chemistry B, 2014, 118, 1012-1021.	2.6	35
14	Experimental and theoretical study about sulfur deactivation of Ni/ CeO ₂ and Rh/CeO ₂ catalysts. Materials Chemistry and Physics, 2016, 172, 69-76.	4.0	32
15	Role of CeO ₂ in Rh γ -Al ₂ O ₃ Catalysts for CO ₂ Reforming of Methane. Catalysis Letters, 2011, 141, 1643-1650.	2.6	29
16	Enhanced Protective Properties and Structural Order of Self-Assembled Monolayers of Aromatic Thiols on Copper in Contact with Acidic Aqueous Solution. Journal of Physical Chemistry C, 2012, 116, 4628-4636.	3.1	29
17	WO _x /ZrO ₂ catalysts. Applied Catalysis A: General, 2003, 240, 119-128.	4.3	28
18	Bulk and surface structures of V ₂ O ₅ /ZrO ₂ catalysts for n-butane oxidative dehydrogenation. Journal of Molecular Catalysis A, 2009, 310, 17-23.	4.8	26

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19	Manganese oxide-zirconium oxide solid solutions. An X-ray diffraction, Raman spectroscopy, thermogravimetry and magnetic study. <i>Journal of Materials Chemistry</i> , 1996, 6, 403-408.	6.7	25
20	Photoreforming of Glucose over CuO/TiO ₂ . <i>Catalysts</i> , 2020, 10, 477.	3.5	24
21	Molybdenum-containing systems based on natural kaolinite as catalysts for selective oxidation of aromatic sulfides. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 683-692.	20.2	22
22	Catalysts based on Rh(III)-hexamolybdate/ γ -Al ₂ O ₃ and their application in the selective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 109-115.	4.8	21
23	Characterization and catalytic activity of soft-templated NiO-CeO ₂ mixed oxides for CO and CO ₂ co-methanation. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 251-268.	4.4	21
24	Title is missing!. <i>Topics in Catalysis</i> , 1999, 8, 171-178.	2.8	20
25	Spectroscopic and Microscopic Characterization of Volcanic Ash from Puyehue-(Chile) Eruption: Preliminary Approach for the Application in the Arsenic Removal. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-8.	1.3	19
26	Realgar and Light. <i>Procedia Chemistry</i> , 2013, 8, 185-193.	0.7	17
27	Redox Behavior of VI B Transition Metal Ions in Rutile TiO ₂ Solid Solutions: An XRD and EPR Study. <i>Journal of Solid State Chemistry</i> , 2000, 152, 412-420.	2.9	16
28	Ionic Size and Metal Uptake of Chromium(VI), Molybdenum(VI), and Tungsten(VI) Species on ZrO ₂ -Based Catalyst Precursors. <i>Journal of Physical Chemistry B</i> , 1999, 103, 11318-11326.	2.6	15
29	Gold nanoparticles supported on conventional silica as catalysts for the low-temperature CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2015, 404-405, 83-91.	4.8	15
30	The reducibility of highly stable Ni-containing species in catalysts derived from hydrotalcite-type precursors. <i>RSC Advances</i> , 2015, 5, 82282-82291.	3.6	14
31	Characterization of γ -Al ₂ O ₃ supports modified with CeO ₂ and ZrO ₂ . <i>Materials Letters</i> , 2009, 63, 477-479.	2.6	12
32	Lysozyme binds onto functionalized carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 16-22.	5.0	12
33	Selective Photooxidation and Photoreduction Processes at Surface-Modified by Grafted Vanadyl. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-10.	2.5	11
34	Advance in the study of limonene epoxidation with H ₂ O ₂ catalyzed by Cu(II) complex heteropolytungstates. <i>Catalysis Communications</i> , 2012, 26, 117-121.	3.3	11
35	Volcanic ash as reusable catalyst in the green synthesis of 3H-1,5-benzodiazepines. <i>Green Processing and Synthesis</i> , 2019, 8, 600-610.	3.4	11
36	Total Oxidation of Naphthalene with Zirconia-Supported Cobalt, Copper and Nickel Catalysts. <i>Catalysts</i> , 2017, 7, 293.	3.5	10

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37	Nickel oxide-zirconium oxide: Ni ²⁺ -incorporation and its influence on the phase transition and sintering of zirconia. <i>Journal of Materials Chemistry</i> , 1995, 5, 183-189.	6.7	9
38	MCM-41 Supported Co-Based Bimetallic Catalysts for Aqueous Phase Transformation of Glucose to Biochemicals. <i>Processes</i> , 2020, 8, 843.	2.8	9
39	Effect of Na ⁺ ions on some properties of hydrous and thermally decomposed zirconium oxide. <i>Journal of Materials Chemistry</i> , 1992, 2, 75.	6.7	8
40	MoO ₃ /ZrO ₂ and CrO ₃ /ZrO ₂ Catalysts: Study of the Precursor Formation. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 278-292.	9.4	8
41	Morphological and textural characterization of vanadium oxide supported on zirconia by ionic exchange. <i>Applied Surface Science</i> , 2008, 255, 2012-2019.	6.1	8
42	Catalytic behavior of the WO _x -ZrO ₂ system in the clean selective oxidation of diphenyl sulfide (DPS). <i>Catalysis Today</i> , 2020, 372, 146-146.	4.4	8
43	X-ray, thermogravimetric and electron spin resonance study of the ReO _x -TiO ₂ system. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1981, 77, 1871.	1.0	7
44	Characterization of vanadium oxide on ZrO ₂ -based catalyst precursors. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4974.	2.8	7
45	High Temperature Stability of Onion-Like Carbon vs Highly Oriented Pyrolytic Graphite. <i>PLoS ONE</i> , 2014, 9, e105788.	2.5	7
46	Formation and stability of Ru(III) incorporated in TiO ₂ (rutile). <i>Journal of the Chemical Society Faraday Transactions I</i> , 1985, 81, 813.	1.0	5
47	Surface and structural properties of zirconia-supported vanadium oxide. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 59-66.	4.8	5
48	Isomerization of n-Butane over Ultrastable H-Y Zeolites with Different Si/Al Atomic Ratio. <i>Catalysis Letters</i> , 2002, 78, 119-123.	2.6	4
49	Preparation and characterization of Pd-Co/sulfated zirconia catalysts for no selective reduction by methane. <i>Catalysis Communications</i> , 2008, 9, 1096-1100.	3.3	4
50	Characterization of Co/sulfated zirconia catalysts for selective reduction of NO by methane. <i>Catalysis Communications</i> , 2008, 10, 74-78.	3.3	4
51	Hydrothermal Stability of Ru/SiO ₂ -C: A Promising Catalyst for Biomass Processing through Liquid-Phase Reactions. <i>Catalysts</i> , 2017, 7, 6.	3.5	4
52	Pyroclasts of the First Phases of the Explosive-Effusive PCCVC Volcanic Eruption: Physicochemical Analysis. <i>Advances in Materials Physics and Chemistry</i> , 2015, 05, 302-315.	0.7	4
53	Incorporation of manganese ions in magnesium titanate. <i>Reactivity of Solids</i> , 1987, 4, 125-137.	0.3	3
54	A Scientific Approach in the Recovery of the Historic Center of Rome: Limits and Potentials of the "Color Plan". <i>Procedia Chemistry</i> , 2013, 8, 212-220.	0.7	3

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55	Promoting effect of rhodium on Co/ZnAl ₂ O ₄ catalysts for the catalytic combustion of hydrocarbons. Catalysis Today, 2021, 372, 2-10.	4.4	3
56	Catalytic hydrogenation of nitrate in water: improvement of the activity and selectivity to N ₂ by using Rh(III)-hexamolybdate supported on ZrO ₂ ·Al ₂ O ₃ . Environmental Technology (United Kingdom), 2022, 43, 560-571.	2.2	3
57	MoO _x -ZrO ₂ System: Preparation, Characterization and Catalytic Activity for Selective Oxidation of Diphenylsulfide. Current Catalysis, 2014, 3, 172-178.	0.5	3
58	Oscillatory Behaviour of Ni Supported on ZrO ₂ in the Catalytic Partial Oxidation of Methane as Determined by Activation Procedure. Materials, 2021, 14, 2495.	2.9	2
59	Butane isomerization on several H-zeolite catalysts. Studies in Surface Science and Catalysis, 2002, , 715-722.	1.5	1