Maela Manzoli

List of Publications by Year
in descending order

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145	6,462	53660	74018
papers	citations	45 h-index	75 g-index

148	148	148	6543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Au/TiO2 Nanosized Samples: A Catalytic, TEM, and FTIR Study of the Effect of Calcination Temperature on the CO Oxidation. Journal of Catalysis, 2001, 202, 256-267.	3.1	476
2	FTIR Study of the Low-Temperature Waterâ€“Gas Shift Reaction on Au/Fe2O3 and Au/TiO2 Catalysts. Journal of Catalysis, 1999, 188, 176-185.	3.1	419
3	FTIR study of low-temperature water-gas shift reaction on gold/ceria catalyst. Applied Catalysis A: General, 2003, 252, 385-397.	2.2	239
4	Gold, silver and copper catalysts supported on TiO2 for pure hydrogen production. Catalysis Today, 2002, 75, 169-175.	2.2	156
5	Catalytic performance and characterization of Au/doped-ceria catalysts for the preferential CO oxidation reaction. Journal of Catalysis, 2008, 256, 237-247.	3.1	145
6	Hydrogenation of CO₂ to Methanol by Pt Nanoparticles Encapsulated in UiO-67: Deciphering the Role of the Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 999-1009.	6.6	141
7	Characterisation of gold catalysts. Chemical Society Reviews, 2016, 45, 4953-4994.	18.7	140
8	CO oxidation over CuOx-CeO2-ZrO2 catalysts: Transient behaviour and role of copper clusters in contact with ceria. Applied Catalysis B: Environmental, 2005, 61, 192-205.	10.8	139
9	Spectroscopic features and reactivity of CO adsorbed on different Au/CeO2 catalysts. Journal of Catalysis, 2007, 245, 308-315.	3.1	133
10	A comparative study of nanosized IB/ceria catalysts for low-temperature water-gas shift reaction. Applied Catalysis A: General, 2006, 298, 127-143.	2.2	126
11	Effect of synthesis procedure on the low-temperature WGS activity of Au/ceria catalysts. Applied Catalysis B: Environmental, 2004, 49, 73-81.	10.8	121
12	Dependence of Copper Species on the Nature of the Support for Dispersed CuO Catalysts. Journal of Physical Chemistry B, 2006, 110, 7851-7861.	1.2	110
13	From waste biomass to chemicals and energy via microwave-assisted processes. Green Chemistry, 2019, 21, 1202-1235.	4.6	103
14	Platinum catalyst supported on mesoporous carbon for PEMFC. International Journal of Hydrogen Energy, 2008, 33, 3142-3145.	3.8	90
15	Decomposition and combined reforming of methanol to hydrogen: a FTIR and QMS study on Cu and Au catalysts supported on ZnO and TiO2. Applied Catalysis B: Environmental, 2005, 57, 201-209.	10.8	89
16	Quantitative determination of gold active sites by chemisorption and by infrared measurements of adsorbed CO. Journal of Catalysis, 2006, 237, 431-434.	3.1	88
17	CO-free hydrogen production over Au/CeO2â€“Fe2O3 catalysts: Part 1. Impact of the support composition on the performance for the preferential CO oxidation reaction. Applied Catalysis B: Environmental, 2011, 101, 256-265.	10.8	88
18	Au/TiO2 nanostructured catalyst: effects of gold particle sizes on CO oxidation at 90 K. Materials Science and Engineering C, 2001, 15, 215-217.	3.8	85

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19	Effect of the addition of Au in zirconia and ceria supported Pd catalysts for the direct synthesis of hydrogen peroxide. Journal of Catalysis, 2008, 257, 369-381.	3.1	84
20	On the process for furfural and HMF oxidative esterification over Au/ZrO2. Journal of Catalysis, 2014, 319, 61-70.	3.1	81
21	Tailoring the selectivity of glycerol oxidation by tuning the acidâ€“base properties of Au catalysts. Catalysis Science and Technology, 2015, 5, 1126-1132.	2.1	78
22	FTIR study of methanol decomposition on gold catalyst for fuel cells. Journal of Power Sources, 2003, 118, 304-310.	4.0	74
23	Mesoporous silica as supports for Pd-catalyzed H2O2 direct synthesis: Effect of the textural properties of the support on the activity and selectivity. Journal of Catalysis, 2010, 273, 266-273.	3.1	73
24	Pure and Fe-doped CeO2 nanoparticles obtained by microwave assisted combustion synthesis: Physico-chemical properties ruling their catalytic activity towards CO oxidation and soot combustion. Applied Catalysis B: Environmental, 2017, 211, 31-45.	10.8	73
25	Pd/Mg(Al)O catalysts obtained from hydrotalcites: investigation of acidâ€“base properties and nature of Pd phases. Journal of Catalysis, 2004, 222, 238-249.	3.1	72
26	Au/ZrO2: an efficient and reusable catalyst for the oxidative esterification of renewable furfural. Applied Catalysis B: Environmental, 2013, 129, 287-293.	10.8	72
27	Oxidative esterification of renewable furfural on gold-based catalysts: Which is the best support?. Journal of Catalysis, 2014, 309, 241-247.	3.1	72
28	CO₂ Hydrogenation over Pt-Containing UiO-67 Zr-MOFsâ€”The Base Case. Industrial & Engineering Chemistry Research, 2017, 56, 13206-13218.	1.8	67
29	Preferential CO oxidation in H2-rich gas mixtures over Au/doped ceria catalysts. Catalysis Today, 2008, 138, 239-243.	2.2	65
30	The effects of gold nanosize for the exploitation of furfural by selective oxidation. Catalysis Today, 2013, 203, 196-201.	2.2	65
31	New insight on the nature of catalytically active gold sites: Quantitative CO chemisorption data and analysis of FTIR spectra of adsorbed CO and of isotopic mixtures. Journal of Catalysis, 2009, 262, 169-176.	3.1	64
32	Sono- and mechanochemical technologies in the catalytic conversion of biomass. Chemical Society Reviews, 2021, 50, 1785-1812.	18.7	64
33	Structureâ€“activity relationships of Au/ZrO2 catalysts for 5-hydroxymethylfurfural oxidative esterification: Effects of zirconia sulphation on gold dispersion, position and shape. Journal of Catalysis, 2015, 326, 1-8.	3.1	61
34	CO₂ Capture in Dry and Wet Conditions in UTSA-16 Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 455-463.	4.0	61
35	Effects of synthetic parameters on the catalytic performance of Au/CeO2 for furfural oxidative esterification. Journal of Catalysis, 2015, 330, 465-473.	3.1	60
36	Influence of the preparation method on the morphological and composition properties of Pdâ€“Au/ZrO2 catalysts and their effect on the direct synthesis of hydrogen peroxide from hydrogen and oxygen. Journal of Catalysis, 2009, 268, 122-130.	3.1	59

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37	Pure hydrogen production on a new goldâ€“thoria catalyst for fuel cell applications. Applied Catalysis B: Environmental, 2006, 63, 94-103.	10.8	58
38	Ptâ^'Ba/Al₂O₃ NSR Catalysts at Different Ba Loading: Characterization of Morphological, Structural, and Surface Properties. Journal of Physical Chemistry C, 2008, 112, 12869-12878.	1.5	57
39	Interface species and effect of hydrogen on their amount in the CO oxidation on Au/ZnO. Applied Catalysis B: Environmental, 2004, 52, 259-266.	10.8	56
40	New insights into UTSA-16. Physical Chemistry Chemical Physics, 2016, 18, 220-227.	1.3	56
41	Surface and Inner Defects in Au/CeO₂ WGS Catalysts: Relation between Raman Properties, Reactivity and Morphology. Chemistry - A European Journal, 2011, 17, 4356-4361.	1.7	54
42	When high metal dispersion has a detrimental effect: Hydrogen peroxide direct synthesis under very mild and nonexplosive conditions catalyzed by Pd supported on silica. Journal of Catalysis, 2012, 290, 143-150.	3.1	54
43	CO-free hydrogen production over Au/CeO2â€“Fe2O3 catalysts: Part 2. Impact of the support composition on the performance in the water-gas shift reaction. Applied Catalysis B: Environmental, 2011, 101, 266-274.	10.8	51
44	Highly active copper catalyst for low-temperature water-gas shift reaction prepared via a Cu-Mn spinel oxide precursor. Applied Catalysis A: General, 2013, 451, 184-191.	2.2	50
45	Hydrogen interaction with gold nanoparticles and clusters supported on different oxides: A FTIR study. Catalysis Today, 2012, 181, 62-67.	2.2	48
46	Operando study of palladium nanoparticles inside UiO-67 MOF for catalytic hydrogenation of hydrocarbons. Faraday Discussions, 2018, 208, 287-306.	1.6	46
47	A new eight-cation inverse high entropy spinel with large configurational entropy in both tetrahedral and octahedral sites: Synthesis and cation distribution by X-ray absorption spectroscopy. Scripta Materialia, 2020, 188, 26-31.	2.6	46
48	Ptâ^'K/Al₂O₃ NSR Catalysts: Characterization of Morphological, Structural and Surface Properties. Journal of Physical Chemistry C, 2010, 114, 1127-1138.	1.5	44
49	Microwave-Assisted Reductive Amination with Aqueous Ammonia: Sustainable Pathway Using Recyclable Magnetic Nickel-Based Nanocatalyst. ACS Sustainable Chemistry and Engineering, 2019, 7, 5963-5974.	3.2	43
50	Quantitative determination of sites able to chemisorb CO on Au/ZrO2 catalysts. Applied Catalysis A: General, 2009, 356, 31-35.	2.2	42
51	Ru/ZrO2 Catalysts. Journal of Catalysis, 2000, 192, 149-157.	3.1	40
52	CO-Free Hydrogen Production for Fuel Cell Applications over Au/CeO₂ Catalysts: FTIR Insight into the Role of Dopant. Journal of Physical Chemistry A, 2010, 114, 3909-3915.	1.1	40
53	Biomass Derived Chemicals: Furfural Oxidative Esterification to Methyl-2-furoate over Gold Catalysts. Catalysts, 2016, 6, 107.	1.6	40
54	Role of Isolated Acid Sites and Influence of Pore Diameter in the Low-Temperature Dehydration of Ethanol. ACS Catalysis, 2014, 4, 4161-4169.	5.5	39

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55	H2O2 direct synthesis under mild conditions on Pdâ€“Au samples: Effect of the morphology and of the composition of the metallic phase. Catalysis Today, 2015, 248, 18-27.	2.2	39
56	Mesoporous carbons as low temperature fuel cell platinum catalyst supports. Journal of Applied Electrochemistry, 2008, 38, 1019-1027.	1.5	38
57	Gold catalysts for low temperature water-gas shift reaction: Effect of ZrO2 addition to CeO2 support. Applied Catalysis B: Environmental, 2012, 125, 507-515.	10.8	38
58	Rationalising the role of solid-acid sites in the design of versatile single-site heterogeneous catalysts for targeted acid-catalysed transformations. Chemical Science, 2014, 5, 1810-1819.	3.7	38
59	Catalytically active gold sites: nanoparticles, borderline sites, clusters, cations, anions? FTIR spectra analysis of12CO and of12CO-13CO isotopic mixtures. Gold Bulletin, 2009, 42, 106-112.	3.2	37
60	Ru/ZrO2 Catalysts. Journal of Catalysis, 2000, 192, 158-162.	3.1	36
61	Boosting levulinic acid hydrogenation to value-added 1,4-pentanediol using microwave-assisted gold catalysis. Journal of Catalysis, 2019, 380, 267-277.	3.1	36
62	Reduction behavior of nanostructured gold catalysts supported on mesoporous titania and zirconia. Applied Catalysis A: General, 2005, 291, 85-92.	2.2	34
63	Highly Dispersed Gold on Zirconia: Characterization and Activity in Lowâ€Temperature Water Gas Shift Tests. ChemSusChem, 2008, 1, 320-326.	3.6	33
64	Al/Fe isomorphic substitution versus Fe2O3 clusters formation in Fe-doped aluminosilicate nanotubes (imogolite). Journal of Nanoparticle Research, 2015, 17, 1.	0.8	31
65	Tuning Pt and Cu sites population inside functionalized UiO-67 MOF by controlling activation conditions. Faraday Discussions, 2017, 201, 265-286.	1.6	31
66	Dynamics of Reactive Species and Reactant-Induced Reconstruction of Pt Clusters in Pt/Al₂O₃Catalysts. ACS Catalysis, 2019, 9, 7124-7136.	5.5	31
67	Self-Activating Catalyst for Glucose Hydrogenation in the Aqueous Phase under Mild Conditions. ACS Catalysis, 2019, 9, 3426-3436.	5.5	31
68	Oxidation of 1,2â€Cyclohexanediol to Adipic Acid with Oxygen: A Study Into Selectivityâ€Affecting Parameters. ChemCatChem, 2013, 5, 1998-2008.	1.8	30
69	Eco-Friendly Physical Activation Methods for Suzukiâ€“Miyaura Reactions. Catalysts, 2017, 7, 98.	1.6	29
70	CO Adsorption on Supported Gold Nanoparticle Catalysts: Application of the Temkin Model. Journal of Physical Chemistry C, 2012, 116, 11117-11125.	1.5	28
71	The duality of UiO-67-Pt MOFs: connecting treatment conditions and encapsulated Pt species byoperandoXAS. Physical Chemistry Chemical Physics, 2017, 19, 27489-27507.	1.3	28
72	Characterisation of Co-based electrocatalytic materials for O2 reduction in fuel cells. Journal of Power Sources, 2005, 145, 161-168.	4.0	26

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73	Au/ZrO2 catalysts for LT-WGSR: Active role of sulfates during gold deposition. Applied Catalysis B: Environmental, 2010, 96, 28-33.	10.8	25
74	Isomorphic substitution of aluminium by iron into single-walled alumino-silicate nanotubes: A physico-chemical insight into the structural and adsorption properties of Fe-doped imogolite. Microporous and Mesoporous Materials, 2016, 224, 229-238.	2.2	25
75	Cork wastewater purification in a cooperative flocculation/adsorption process with microwave-regenerated activated carbon. Journal of Hazardous Materials, 2018, 360, 412-419.	6.5	25
76	Magnetic metal-ceramic nanocomposites obtained from cation-exchanged zeolite by heat treatment in reducing atmosphere. Microporous and Mesoporous Materials, 2018, 268, 131-143.	2.2	24
77	Structureâ€“reactivity relationship in Co₃O₄ promoted Au/CeO₂ catalysts for the CH₃OH oxidation reaction revealed by in situ FTIR and operando EXAFS studies. Journal of Materials Chemistry A, 2017, 5, 2083-2094.	5.2	23
78	Complexation of maltodextrin-based inulin and green tea polyphenols via different ultrasonic pretreatment. Ultrasonics Sonochemistry, 2021, 74, 105568.	3.8	23
79	Structure-activity relationship in water-gas shift reaction over gold catalysts supported on Y-doped ceria. Journal of Rare Earths, 2019, 37, 383-392.	2.5	22
80	Palladium nanoparticles supported on SmopexÂ® metal scavengers as catalyst for carbonylative Sonogashira reactions: Synthesis of Î±,Î²-alkynyl ketones. Applied Catalysis A: General, 2014, 480, 1-9.	2.2	21
81	Looking for the active hydrogen species in a 5Âwt% Pt/C catalyst: a challenge for inelastic neutron scattering. Faraday Discussions, 2018, 208, 227-242.	1.6	20
82	Impact of metal doping on the activity of Au/CeO2 catalysts for catalytic abatement of VOCs and CO in waste gases. Catalysis Communications, 2013, 35, 51-58.	1.6	19
83	CO and VOCs Catalytic Oxidation Over Alumina Supported Cuâ€“Mn Catalysts: Effect of Au or Ag Deposition. Topics in Catalysis, 2017, 60, 110-122.	1.3	19
84	Microwave-Assisted Dehydrogenative Cross Coupling Reactions in Î³-valerolactone with a Reusable Pd/Î²-cyclodextrin Crosslinked Catalyst. Molecules, 2019, 24, 288.	1.7	19
85	Glycerol: An Optimal Hydrogen Source for Microwave-Promoted Cu-Catalyzed Transfer Hydrogenation of Nitrobenzene to Aniline. Frontiers in Chemistry, 2020, 8, 34.	1.8	19
86	Brookite, a sometimes under evaluated TiO₂ polymorph. RSC Advances, 2022, 12, 3322-3334.	1.7	19
87	CO Adsorption on Gold Clusters Stabilized on Ceriaâ^'Titania Mixed Oxides:Â Comparison with Reference Catalysts. Journal of Physical Chemistry B, 2006, 110, 23329-23336.	1.2	18
88	New gold catalysts supported on mixed ceria-titania oxides for water-gas shift and preferential CO oxidation reactions. Reaction Kinetics and Catalysis Letters, 2007, 91, 213-221.	0.6	18
89	Sonochemical preparation of alumina-spheres loaded with Pd nanoparticles for 2-butyne-1,4-diol semi-hydrogenation in a continuous flow microwave reactor. RSC Advances, 2018, 8, 7029-7039.	1.7	18
90	Is configurational entropy the main stabilizing term in rock-salt Mg0.2Co0.2Ni0.2Cu0.2Zn0.2O high entropy oxide?. Nature Communications, 2022, 13, .	5.8	18

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91	Feasibility and the Mechanism of Desorption of Phenolic Compounds from Activated Carbons. Industrial & Engineering Chemistry Research, 2020, 59, 12223-12231.	1.8	17
92	Structural and mechanistic insights into low-temperature CO oxidation over a prototypical high entropy oxide by Cu L-edge operando soft X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 26575-26584.	1.3	17
93	Effect of ceria structural properties on the catalytic activity of Auâ€“CeO2 catalysts for WGS reaction. Physical Chemistry Chemical Physics, 2013, 15, 13400.	1.3	16
94	Sustainable Carbon Dioxide Photoreduction by a Cooperative Effect of Reactor Design and Titania Metal Promotion. Catalysts, 2018, 8, 41.	1.6	16
95	Ru_xPt_ySn_zcluster-derived nanoparticlecatalysts: spectroscopic investigation into the nature of active multinuclear single sites. Dalton Transactions, 2012, 41, 982-989.	1.6	15
96	Supported Ni catalysts prepared by intercalation of Layered Double Hydroxides: Investigation of acidâ€“base properties and nature of Ni phases. Microporous and Mesoporous Materials, 2012, 147, 178-187.	2.2	15
97	Investigating site-specific interactions and probing their role in modifying the acid-strength in framework architectures. Physical Chemistry Chemical Physics, 2013, 15, 13288.	1.3	15
98	Application of the Catalyst Wet Pretreatment Method (CWPM) for catalytic direct synthesis of H2O2. Catalysis Today, 2015, 246, 207-215.	2.2	15
99	Selective hydrogenation of alkynes over ppm-level Pd/boehmite/Al₂O₃ beads in a continuous-flow reactor. Catalysis Science and Technology, 2017, 7, 4780-4791.	2.1	15
100	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. Advanced Synthesis and Catalysis, 2020, 362, 2689-2700.	2.1	15
101	Mechanochemical Applications of Reactive Extrusion from Organic Synthesis to Catalytic and Active Materials. Molecules, 2022, 27, 449.	1.7	15
102	Solâ€immobilized vs depositedâ€precipitated Au nanoparticles supported on <scp>CeO₂</scp> for furfural oxidative esterification. Journal of Chemical Technology and Biotechnology, 2017, 92, 2196-2205.	1.6	14
103	Synergistic Behavior of Bimetallic Rhenium Cluster Catalysts: Spectroscopic Investigation into the Nature of the Active Site. Chemistry - A European Journal, 2010, 16, 8202-8209.	1.7	13
104	Beneficial effect of Fe addition on the catalytic activity of electrodeposited MnOx films in the water oxidation reaction. Electrochimica Acta, 2018, 284, 294-302.	2.6	13
105	Dynamic Behavior of Pd/P4VP Catalyst during the Aerobic Oxidation of 2-Propanol: A Simultaneous SAXS/XAS/MS Operando Study. ACS Catalysis, 2018, 8, 6870-6881.	5.5	13
106	Adsorptive Recovery of Iopamidol from Aqueous Solution and Parallel Reuse of Activated Carbon: Batch and Flow Study. Industrial & Engineering Chemistry Research, 2019, 58, 7284-7295.	1.8	13
107	Boosting the Characterization of Heterogeneous Catalysts for H2O2 Direct Synthesis by Infrared Spectroscopy. Catalysts, 2019, 9, 30.	1.6	13
108	Magnetic clustering of Ni2+ ions in metal-ceramic nanocomposites obtained from Ni-exchanged zeolite precursors. Ceramics International, 2018, 44, 17240-17250.	2.3	12

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109	Multifunctional and Environmentally Friendly TiO2â€“SiO2 Mesoporous Materials for Sustainable Green Buildings. Molecules, 2019, 24, 4226.	1.7	12
110	Microwave-Assisted Protocol for Green Functionalization of Thiophenes With a Pd/Î²-Cyclodextrin Cross-Linked Nanocatalyst. Frontiers in Chemistry, 2020, 8, 253.	1.8	12
111	Nanosized SnO2 Prepared by Electrospinning: Influence of the Polymer on Both Morphology and Microstructure. Polymers, 2021, 13, 977.	2.0	12
112	Investigation on the Stability of Supported Gold Nanoparticles. Catalysts, 2013, 3, 656-670.	1.6	11
113	Diols Production From Glycerol Over Pt-Based Catalysts: On the Role Played by the Acid Sites of the Support. Catalysis Letters, 2017, 147, 2523-2533.	1.4	11
114	Microwave, Ultrasound, and Mechanochemistry: Unconventional Tools that Are Used to Obtain â€œSmartâ€•Catalysts for CO2 Hydrogenation. Catalysts, 2018, 8, 262.	1.6	11
115	Supported Gold Nanoparticles for Furfural Valorization in the Future Bio-based Industry. Topics in Catalysis, 2018, 61, 1877-1887.	1.3	11
116	A Pt-Mo hybrid catalyst for furfural transformation. Catalysis Today, 2020, 357, 122-131.	2.2	11
117	The role of metallic and acid sites of Ru-Nb-Si catalysts in the transformation of levulinic acid to Î³-valerolactone. Applied Catalysis B: Environmental, 2022, 310, 121340.	10.8	11
118	Reaction of oxiranes with cyclodextrins under high-energy ball-milling conditions. Beilstein Journal of Organic Chemistry, 2019, 15, 1448-1459.	1.3	10
119	Unraveling the effect of ZrO₂ modifiers on the nature of active sites on AuRu/ZrO₂ catalysts for furfural hydrogenation. Sustainable Energy and Fuels, 2020, 4, 1469-1480.	2.5	10
120	CHAPTER 4. Raman, IR and INS Characterization of Functionalized Carbon Materials. RSC Catalysis Series, 2018, , 103-137.	0.1	10
121	Adsorptive decontamination of antibiotic-spiked water and milk using commercial and modified activated carbons. Journal of Environmental Chemical Engineering, 2021, 9, 105544.	3.3	9
122	Hydrogenation of Levulinic Acid to Î³-Valerolactone via Green Microwave-Assisted Reactions Either in Continuous Flow or Solvent-Free Batch Processes. Industrial & Engineering Chemistry Research, 2021, 60, 16756-16768.	1.8	9
123	Calcium Phosphate-Coated Lipid Nanoparticles as a Potential Tool in Bone Diseases Therapy. Nanomaterials, 2021, 11, 2983.	1.9	9
124	Shedding light on precursor and thermal treatment effects on the nanostructure of electrospun TiO2 fibers. Nano Structures Nano Objects, 2016, 7, 49-55.	1.9	7
125	Cross-Linked Cyclodextrins Bimetallic Nanocatalysts: Applications in Microwave-Assisted Reductive Aminations. Molecules, 2020, 25, 410.	1.7	7
126	Investigation of the key parameters for gas sensing through comparison of electrospun and sol-gel semiconducting oxides. Ceramics International, 2022, 48, 20948-20960.	2.3	7

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127	Doxorubicin-Loaded Lipid Nanoparticles Coated with Calcium Phosphate as a Potential Tool in Human and Canine Osteosarcoma Therapy. Pharmaceutics, 2022, 14, 1362.	2.0	7
128	Titanium Dioxide-Based Nanocomposites for Enhanced Gas-Phase Photodehydrogenation. Materials, 2019, 12, 3093.	1.3	6
129	New Insights in the Production of Simulated Moon Agglutinates: the Use of Natural Zeolite-Bearing Rocks. ACS Earth and Space Chemistry, 2021, 5, 1631-1646.	1.2	6
130	Ruling Factors in Cinnamaldehyde Hydrogenation: Activity and Selectivity of Pt-Mo Catalysts. Nanomaterials, 2021, 11, 362.	1.9	5
131	Comparative Studies of Mechanochemically Synthesized Insoluble Beta-Cyclodextrin Polymers. Current Organic Chemistry, 2021, 25, 1923-1936.	0.9	5
132	Deactivation of Industrial Pd/Al₂O₃ Catalysts by Ethanol: A Spectroscopic Study. ChemCatChem, 2021, 13, 900-908.	1.8	5
133	Gas phasevs.liquid phase: monitoring H₂and CO adsorption phenomena on Pt/Al₂O₃by IR spectroscopy. Catalysis Science and Technology, 2022, 12, 1359-1367.	2.1	5
134	DFT-Assisted Spectroscopic Studies on the Coordination of Small Ligands to Palladium: From Isolated Ions to Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 4781-4790.	1.5	4
135	New Insights on the Dynamic Role of the Protecting Agent on the Reactivity of Supported Gold Nanoparticles. ChemCatChem, 2020, 12, 1653-1663.	1.8	3
136	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO. Proceedings (mdpi), 2017, 1, .	0.2	2
137	Spectroscopic insights leading to a better understanding of site-isolation in heterogeneous nanocatalysts. Journal of Materials Chemistry A, 2018, 6, 14410-14419.	5.2	2
138	Synthesis and Characterization of Fe-doped Aluminosilicate Nanotubes with Enhanced Electron Conductive Properties. Journal of Visualized Experiments, 2016, , .	0.2	1
139	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO â€. Proceedings (mdpi), 2017, 1, 485.	0.2	1
140	Insights into the Reactivity of Gold: an Analysis of FTIR and HRTEM Studies. RSC Catalysis Series, 2013, , 63-95.	0.1	1
141	Magnetic clustering of weakly interacting Ni-ions in Ni-exchanged zeolites. Microporous and Mesoporous Materials, 2022, 335, 111786.	2.2	1
142	Au/CeO2 Catalysts for Catalytic Abatement of CO, CH3OH and (CH3)2O: Effect of Preparation Method. , 2012, , .		0
143	Tuning the Synthetic Parameters to Obtain Smart Câ€N Coâ€Doped Titania Photocatalysts for NOx Abatement. ChemistrySelect, 2017, 2, 728-739.	0.7	0
144	Photocatalysts for Organics Degradation. Catalysts, 2019, 9, 870.	1.6	0

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145	A smart use of biomass derivatives to template an ad hoc hierarchical SAPO-5 acid catalyst. RSC Advances, 2020, 10, 38578-38582.	1.7	0