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	Mechanochemical Applications of Reactive Extrusion from Organic Synthesis to Catalytic and Active Materials. Molecules, 2022, 27, 449.	1.7	15
2	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
3	Brookite, a sometimes under evaluated TiO₂ polymorph. RSC Advances, 2022, 12, 3322-3334.	1.7	19
4	Magnetic clustering of weakly interacting Ni-ions in Ni-exchanged zeolites. Microporous and Mesoporous Materials, 2022, 335, 111786.	2.2	1
5	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
6	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
7	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
8	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
9	Sono- and mechanochemical technologies in the catalytic conversion of biomass. Chemical Society Reviews, 2021, 50, 1785-1812.	18.7	64
10	Ruling Factors in Cinnamaldehyde Hydrogenation: Activity and Selectivity of Pt-Mo Catalysts. Nanomaterials, 2021, 11, 362.	1.9	5
11	Nanosized SnO2 Prepared by Electrospinning: Influence of the Polymer on Both Morphology and Microstructure. Polymers, 2021, 13, 977.	2.0	12
12	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
13	Complexation of maltodextrin-based inulin and green tea polyphenols via different ultrasonic pretreatment. Ultrasonics Sonochemistry, 2021, 74, 105568.	3.8	23
14	Comparative Studies of Mechanochemically Synthesized Insoluble Beta-Cyclodextrin Polymers. Current Organic Chemistry, 2021, 25, 1923-1936.	0.9	5
15	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
16	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
17	Deactivation of Industrial Pd/Al₂O₃ Catalysts by Ethanol: A Spectroscopic Study. ChemCatChem, 2021, 13, 900-908.	1.8	5
18	Calcium Phosphate-Coated Lipid Nanoparticles as a Potential Tool in Bone Diseases Therapy. Nanomaterials, 2021, 11, 2983.	1.9	9

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19	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
20	A Pt-Mo hybrid catalyst for furfural transformation. Catalysis Today, 2020, 357, 122-131.	2.2	11
21	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
22	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
23	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
24	Feasibility and the Mechanism of Desorption of Phenolic Compounds from Activated Carbons. Industrial & Engineering Chemistry Research, 2020, 59, 12223-12231.	1.8	17
25	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
26	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
27	Cross-Linked Cyclodextrins Bimetallic Nanocatalysts: Applications in Microwave-Assisted Reductive Aminations. Molecules, 2020, 25, 410.	1.7	7
28	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
29	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. Advanced Synthesis and Catalysis, 2020, 362, 2689-2700.	2.1	15
30	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
31	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
32	Reaction of oxiranes with cyclodextrins under high-energy ball-milling conditions. Beilstein Journal of Organic Chemistry, 2019, 15, 1448-1459.	1.3	10
33	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
34	Photocatalysts for Organics Degradation. Catalysts, 2019, 9, 870.	1.6	0
35	Titanium Dioxide-Based Nanocomposites for Enhanced Gas-Phase Photodehydrogenation. Materials, 2019, 12, 3093.	1.3	6
36	Microwave-Assisted Dehydrogenative Cross Coupling Reactions in Î³-valerolactone with a Reusable Pd/Î²-cyclodextrin Crosslinked Catalyst. Molecules, 2019, 24, 288.	1.7	19

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37	Dynamics of Reactive Species and Reactant-Induced Reconstruction of Pt Clusters in Pt/Al₂O₃Catalysts. ACS Catalysis, 2019, 9, 7124-7136.	5.5	31
38	Self-Activating Catalyst for Glucose Hydrogenation in the Aqueous Phase under Mild Conditions. ACS Catalysis, 2019, 9, 3426-3436.	5.5	31
39	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
40	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
41	From waste biomass to chemicals and energy via microwave-assisted processes. Green Chemistry, 2019, 21, 1202-1235.	4.6	103
42	Multifunctional and Environmentally Friendly TiO2â€“SiO2 Mesoporous Materials for Sustainable Green Buildings. Molecules, 2019, 24, 4226.	1.7	12
43	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
44	Boosting the Characterization of Heterogeneous Catalysts for H2O2 Direct Synthesis by Infrared Spectroscopy. Catalysts, 2019, 9, 30.	1.6	13
45	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
46	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
47	Operando study of palladium nanoparticles inside UiO-67 MOF for catalytic hydrogenation of hydrocarbons. Faraday Discussions, 2018, 208, 287-306.	1.6	46
48	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
49	Magnetic clustering of Ni2+ ions in metal-ceramic nanocomposites obtained from Ni-exchanged zeolite precursors. Ceramics International, 2018, 44, 17240-17250.	2.3	12
50	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
51	Sustainable Carbon Dioxide Photoreduction by a Cooperative Effect of Reactor Design and Titania Metal Promotion. Catalysts, 2018, 8, 41.	1.6	16
52	Microwave, Ultrasound, and Mechanochemistry: Unconventional Tools that Are Used to Obtain â€œSmartâ€•Catalysts for CO2 Hydrogenation. Catalysts, 2018, 8, 262.	1.6	11
53	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
54	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

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55	Supported Gold Nanoparticles for Furfural Valorization in the Future Bio-based Industry. Topics in Catalysis, 2018, 61, 1877-1887.	1.3	11
56	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
57	CHAPTER 4. Raman, IR and INS Characterization of Functionalized Carbon Materials. RSC Catalysis Series, 2018, , 103-137.	0.1	10
58	Tuning the Synthetic Parameters to Obtain Smart Câ€N Coâ€Doped Titania Photocatalysts for NOx Abatement. ChemistrySelect, 2017, 2, 728-739.	0.7	0
59	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
60	Tuning Pt and Cu sites population inside functionalized UiO-67 MOF by controlling activation conditions. Faraday Discussions, 2017, 201, 265-286.	1.6	31
61	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
62	CO₂ Capture in Dry and Wet Conditions in UTSA-16 Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 455-463.	4.0	61
63	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
64	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
65	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
66	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
67	CO₂ Hydrogenation over Pt-Containing UiO-67 Zr-MOFsâ€”The Base Case. Industrial & Engineering Chemistry Research, 2017, 56, 13206-13218.	1.8	67
68	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
69	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO â€. Proceedings (mdpi), 2017, 1, 485.	0.2	1
70	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO. Proceedings (mdpi), 2017, 1, .	0.2	2
71	Eco-Friendly Physical Activation Methods for Suzukiâ€“Miyaura Reactions. Catalysts, 2017, 7, 98.	1.6	29
72	Biomass Derived Chemicals: Furfural Oxidative Esterification to Methyl-2-furoate over Gold Catalysts. Catalysts, 2016, 6, 107.	1.6	40

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73	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
74	Synthesis and Characterization of Fe-doped Aluminosilicate Nanotubes with Enhanced Electron Conductive Properties. Journal of Visualized Experiments, 2016, , .	0.2	1
75	Characterisation of gold catalysts. Chemical Society Reviews, 2016, 45, 4953-4994.	18.7	140
76	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
77	New insights into UTSA-16. Physical Chemistry Chemical Physics, 2016, 18, 220-227.	1.3	56
78	Application of the Catalyst Wet Pretreatment Method (CWPM) for catalytic direct synthesis of H2O2. Catalysis Today, 2015, 246, 207-215.	2.2	15
79	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
80	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
81	Al/Fe isomorphic substitution versus Fe2O3 clusters formation in Fe-doped aluminosilicate nanotubes (imogolite). Journal of Nanoparticle Research, 2015, 17, 1.	0.8	31
82	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
83	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
84	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
85	Oxidative esterification of renewable furfural on gold-based catalysts: Which is the best support?. Journal of Catalysis, 2014, 309, 241-247.	3.1	72
86	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
87	On the process for furfural and HMF oxidative esterification over Au/ZrO2. Journal of Catalysis, 2014, 319, 61-70.	3.1	81
88	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
89	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
90	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

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91	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
92	The effects of gold nanosize for the exploitation of furfural by selective oxidation. Catalysis Today, 2013, 203, 196-201.	2.2	65
93	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
94	Oxidation of 1,2â€Cyclohexanediol to Adipic Acid with Oxygen: A Study Into Selectivityâ€Affecting Parameters. ChemCatChem, 2013, 5, 1998-2008.	1.8	30
95	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
96	Investigation on the Stability of Supported Gold Nanoparticles. Catalysts, 2013, 3, 656-670.	1.6	11
97	Insights into the Reactivity of Gold: an Analysis of FTIR and HRTEM Studies. RSC Catalysis Series, 2013, , 63-95.	0.1	1
98	Au/CeO2 Catalysts for Catalytic Abatement of CO, CH3OH and (CH3)2O: Effect of Preparation Method. , 2012, , .		0
99	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
100	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
101	CO Adsorption on Supported Gold Nanoparticle Catalysts: Application of the Temkin Model. Journal of Physical Chemistry C, 2012, 116, 11117-11125.	1.5	28
102	Hydrogen interaction with gold nanoparticles and clusters supported on different oxides: A FTIR study. Catalysis Today, 2012, 181, 62-67.	2.2	48
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	Au/ZrO2 catalysts for LT-WGSR: Active role of sulfates during gold deposition. Applied Catalysis B: Environmental, 2010, 96, 28-33.	10.8	25
111	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
112	Ptâ^'K/Al₂O₃ NSR Catalysts: Characterization of Morphological, Structural and Surface Properties. Journal of Physical Chemistry C, 2010, 114, 1127-1138.	1.5	44
113	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
114	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
115	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
116	Quantitative determination of sites able to chemisorb CO on Au/ZrO2 catalysts. Applied Catalysis A: General, 2009, 356, 31-35.	2.2	42
117	Mesoporous carbons as low temperature fuel cell platinum catalyst supports. Journal of Applied Electrochemistry, 2008, 38, 1019-1027.	1.5	38
118	Highly Dispersed Gold on Zirconia: Characterization and Activity in Lowâ€Temperature Water Gas Shift Tests. ChemSusChem, 2008, 1, 320-326.	3.6	33
119	Preferential CO oxidation in H2-rich gas mixtures over Au/doped ceria catalysts. Catalysis Today, 2008, 138, 239-243.	2.2	65
120	Platinum catalyst supported on mesoporous carbon for PEMFC. International Journal of Hydrogen Energy, 2008, 33, 3142-3145.	3.8	90
121	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
122	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
123	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
124	Spectroscopic features and reactivity of CO adsorbed on different Au/CeO2 catalysts. Journal of Catalysis, 2007, 245, 308-315.	3.1	133
125	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
126	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

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127	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
128	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
129	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
130	Pure hydrogen production on a new goldâ€“thoria catalyst for fuel cell applications. Applied Catalysis B: Environmental, 2006, 63, 94-103.	10.8	58
131	Reduction behavior of nanostructured gold catalysts supported on mesoporous titania and zirconia. Applied Catalysis A: General, 2005, 291, 85-92.	2.2	34
132	Characterisation of Co-based electrocatalytic materials for O2 reduction in fuel cells. Journal of Power Sources, 2005, 145, 161-168.	4.0	26
133	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
134	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
135	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
136	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
137	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
138	FTIR study of low-temperature water-gas shift reaction on gold/ceria catalyst. Applied Catalysis A: General, 2003, 252, 385-397.	2.2	239
139	FTIR study of methanol decomposition on gold catalyst for fuel cells. Journal of Power Sources, 2003, 118, 304-310.	4.0	74
140	Gold, silver and copper catalysts supported on TiO2 for pure hydrogen production. Catalysis Today, 2002, 75, 169-175.	2.2	156
141	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
142	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
143	Ru/ZrO2 Catalysts. Journal of Catalysis, 2000, 192, 149-157.	3.1	40
144	Ru/ZrO2 Catalysts. Journal of Catalysis, 2000, 192, 158-162.	3.1	36

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145	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