JosÃ© A Odriozola

List of Publications by Year
in descending order

353 papers	11,001 citations	30070 54 h-index	64796 79 g-index
362 all docs	362 docs citations	362 times ranked	9387 citing authors

#	Article	IF	Citations
1	Boosting water activation determining-step in WGS reaction on structured catalyst by Mo-doping. Catalysis Today, 2022, 383, 193-204.	4.4	5
2	Enhanced catalytic activity and stability of nanoshaped Ni/CeO2 for CO2 methanation in micro-monoliths. Catalysis Today, 2022, 383, 205-215.	4.4	13
3	Metal micromonoliths for the cleaning of H2 by means of methanation reactions. Catalysis Today, 2022, 383, 216-225.	4.4	4
4	Unravelling the role of Fe in trimetallic Fe-Cu-Pt/Al2O3 catalysts for CO-PROX reaction. Molecular Catalysis, 2022, 517, 112015.	2.0	2
5	Understanding the promotional effect of Pt/CeO2 in cobalt-catalyzed Fischer-Tropsch synthesis using operando infrared spectroscopy at moderated pressures. Fuel, 2022, 312, 122964.	6.4	3
6	Evidence of new Ni-O-K catalytic sites with superior stability for methane dry reforming. Applied Catalysis B: Environmental, 2022, 307, 121148.	20.2	19
7	3D-printed structured catalysts for CO2 methanation reaction: Advancing of gyroid-based geometries. Energy Conversion and Management, 2022, 258, 115464.	9.2	12
8	Pursuing efficient systems for glucose transformation to levulinic acid: Homogeneous vs. heterogeneous catalysts and the effect of their co-action. Fuel, 2022, 318, 123712.	6.4	10
9	Electrocatalytic CO2 conversion to C2 products: Catalysts design, market perspectives and techno-economic aspects. Renewable and Sustainable Energy Reviews, 2022, 161, 112329.	16.4	35
10	Catalytic reforming of model biomass-derived producer gas. Fuel, 2022, 320, 123843.	6.4	5
11	Au and Pt Remain Unoxidized on a CeO₂-Based Catalyst during the Waterâ€“Gas Shift Reaction. Journal of the American Chemical Society, 2022, 144, 446-453.	13.7	31
12	The effect of support surface hydroxyls on selective CO methanation with Ru based catalysts. Applied Catalysis A: General, 2022, 641, 118678.	4.3	5
13	Recent advances on gas-phase CO2 conversion: Catalysis design and chemical processes to close the carbon cycle. Current Opinion in Green and Sustainable Chemistry, 2022, 36, 100647.	5.9	4
14	Sustainable routes for acetic acid production: Traditional processes vs a low-carbon, biogas-based strategy. Science of the Total Environment, 2022, 840, 156663.	8.0	15
15	CO2 methanation on Ni/YMn1-xAlxO3 perovskite catalysts. Applied Materials Today, 2022, 29, 101577.	4.3	5
16	Functionalized biochars as supports for Pd/C catalysts for efficient hydrogen production from formic acid. Applied Catalysis B: Environmental, 2021, 282, 119615.	20.2	68
17	Structure-sensitivity of formic acid dehydrogenation reaction over additive-free Pd NPs supported on activated carbon. Chemical Engineering Journal, 2021, 420, 127641.	12.7	35
18	Guaiacol hydrodeoxygenation in hydrothermal conditions using N-doped reduced graphene oxide (RGO) supported Pt and Ni catalysts: Seeking for economically viable biomass upgrading alternatives. Applied Catalysis A: General, 2021, 611, 117977.	4.3	13

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19	In-situ HDO of guaiacol over nitrogen-doped activated carbon supported nickel nanoparticles. Applied Catalysis A: General, 2021, 620, 118033.	4.3	27
20	Zr and Fe on Pt/ <scp> CeO ₂ â€MO _x </scp> / <scp> Al ₂ O ₃ </scp> catalysts for <scp>WGS</scp> reaction. International Journal of Energy Research, 2021, 45, 13978-13989.	4.5	4
21	Effect of the sulphonating agent on the catalytic behavior of activated carbons in the dehydration reaction of fructose in DMSO. Applied Catalysis A: General, 2021, 617, 118108.	4.3	11
22	IR spectroscopic insights into the coking-resistance effect of potassium on nickel-based catalyst during dry reforming of methane. Applied Catalysis B: Environmental, 2021, 285, 119822.	20.2	59
23	Stepping toward Efficient Microreactors for CO₂ Methanation: 3D-Printed Gyroid Geometry. ACS Sustainable Chemistry and Engineering, 2021, 9, 8198-8206.	6.7	22
24	Ni/YMnO3 perovskite catalyst for CO2 methanation. Applied Materials Today, 2021, 23, 101055.	4.3	13
25	Dehydration of glucose to 5-Hydroxymethlyfurfural on bifunctional carbon catalysts. Applied Catalysis B: Environmental, 2021, 286, 119938.	20.2	55
26	How a small modification in the imidazolium-based SDA can determine the zeolite structure? MFI vs. TON. Microporous and Mesoporous Materials, 2021, 322, 111160.	4.4	1
27	Bimetallic Niâ€“Ru and Niâ€“Re Catalysts for Dry Reforming of Methane: Understanding the Synergies of the Selected Promoters. Frontiers in Chemistry, 2021, 9, 694976.	3.6	26
28	Current scenario and prospects in manufacture strategies for glass, quartz, polymers and metallic microreactors: A comprehensive review. Chemical Engineering Research and Design, 2021, 171, 13-35.	5.6	26
29	Effect of potassium loading on basic properties of Ni/MgAl2O4 catalyst for CO2 reforming of methane. Journal of CO2 Utilization, 2021, 52, 101681.	6.8	23
30	In Situ DRIFTS-MS Methanol Adsorption Study onto Supported NiSn Nanoparticles: Mechanistic Implications in Methanol Steam Reforming. Nanomaterials, 2021, 11, 3234.	4.1	2
31	Monolithic stirrer reactor: The selective lactose oxidation in liquid phase over Au/Al2O3 nanostructured catalysts. Molecular Catalysis, 2020, 481, 110219.	2.0	4
32	Flexible syngas production using a La2Zr2-xNixO7-Î´ pyrochlore-double perovskite catalyst: Towards a direct route for gas phase CO2 recycling. Catalysis Today, 2020, 357, 583-589.	4.4	25
33	Effect of Gold Particles Size over Au/C Catalyst Selectivity in HMF Oxidation Reaction. ChemCatChem, 2020, 12, 1177-1183.	3.7	39
34	Cost-effective routes for catalytic biomass upgrading. Current Opinion in Green and Sustainable Chemistry, 2020, 23, 1-9.	5.9	27
35	Upgrading the PtCu intermetallic compounds: The role of Pt and Cu in the alloy. Catalysis Today, 2020, 356, 390-398.	4.4	10
36	Free-Carbon Surface for PtCu Nanoparticles: An <i>In Situ</i> Near Ambient Pressure X-ray Photoelectron Spectroscopy Study. Journal of Physical Chemistry C, 2020, 124, 19046-19056.	3.1	1

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37	Ruâ€“Ni/MgAl2O4 structured catalyst for CO2 methanation. Renewable Energy, 2020, 161, 120-132.	8.9	39
38	Elucidation of Water Promoter Effect of Proton Conductor in WGS Reaction over Pt-Based Catalyst: An Operando DRIFTS Study. Catalysts, 2020, 10, 841.	3.5	2
39	5-Hydroxymethyl-2-Furfural Oxidation Over Au/CexZr1-xO2 Catalysts. Frontiers in Chemistry, 2020, 8, 461.	3.6	8
40	Bimetallic PdAu catalysts for formic acid dehydrogenation. International Journal of Hydrogen Energy, 2020, 45, 23056-23068.	7.1	31
41	Evaluation of the Oxygen Mobility in CePO₄-Supported Catalysts: Mechanistic Implications on the Waterâ€“Gas Shift Reaction. Journal of Physical Chemistry C, 2020, 124, 16391-16401.	3.1	5
42	Time-resolved operando DRIFTS-MS study of the moisture tolerance of small-pore SAPO-34 molecular sieves during CH4/CO2 separation. Microporous and Mesoporous Materials, 2020, 298, 110071.	4.4	3
43	Reductant atmospheres during slow pyrolysis of cellulose: First approach to obtaining efficient char-based catalysts in one pot. Journal of Analytical and Applied Pyrolysis, 2020, 148, 104821.	5.5	16
44	Experimental evidence of HCO species as intermediate in the fischer tropsch reaction using operando techniques. Applied Catalysis B: Environmental, 2020, 272, 119032.	20.2	21
45	Effect of starch as binder in carbon aerogel and carbon xerogel preparation. Journal of Non-Crystalline Solids, 2019, 522, 119554.	3.1	20
46	Carbon Supported Gold Nanoparticles for the Catalytic Reduction of 4-Nitrophenol. Frontiers in Chemistry, 2019, 7, 548.	3.6	30
47	Au/CeO2-ZnO/Al2O3 as Versatile Catalysts for Oxidation Reactions: Application in Gas/Liquid Environmental Processes. Frontiers in Chemistry, 2019, 7, 504.	3.6	6
48	Colombian metallurgical coke as catalysts support of the direct coal liquefaction. Fuel, 2019, 255, 115748.	6.4	7
49	Influence of the preparation method in the metal-support interaction and reducibility of Ni-Mg-Al based catalysts for methane steam reforming. International Journal of Hydrogen Energy, 2019, 44, 19827-19840.	7.1	61
50	Montmorillonite-stabilized gold nanoparticles for nitrophenol reduction. Comptes Rendus Chimie, 2019, 22, 621-627.	0.5	10
51	Immobilization of Stabilized Gold Nanoparticles on Various Ceria-Based Oxides: Influence of the Protecting Agent on the Glucose Oxidation Reaction. Catalysts, 2019, 9, 125.	3.5	9
52	Operando Spectroscopic Evidence of the Induced Effect of Residual Species in the Reaction Intermediates during CO₂ Hydrogenation over Ruthenium Nanoparticles. ChemCatChem, 2019, 11, 2063-2068.	3.7	17
53	Size-tailored Ru nanoparticles deposited over Î³-Al2O3 for the CO2 methanation reaction. Applied Surface Science, 2019, 483, 750-761.	6.1	69
54	Dry Reforming of Ethanol and Glycerol: Mini-Review. Catalysts, 2019, 9, 1015.	3.5	38

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55	Promoting effect of CeO2, ZrO2 and Ce/Zr mixed oxides on Co/Î³-Al2O3 catalyst for Fischer-Tropsch synthesis. Renewable Energy, 2019, 132, 1141-1150.	8.9	21
56	Phosphate-type supports for the design of WGS catalysts. Applied Catalysis B: Environmental, 2019, 244, 853-862.	20.2	11
57	Does shaping catalysts modify active phase sites? A comprehensive in situ FTIR spectroscopic study on the performance of a model Ru/Al2O3 catalyst for the CO methanation. Chemical Engineering Journal, 2019, 357, 248-257.	12.7	37
58	Au/Al2O3 â€“ Efficient catalyst for 5-hydroxymethylfurfural oxidation to 2,5-furandicarboxylic acid. Catalysis Today, 2019, 333, 169-175.	4.4	41
59	A direct in situ observation of water-enhanced proton conductivity of Eu-doped ZrO2: Effect on WGS reaction. Applied Catalysis B: Environmental, 2018, 231, 343-356.	20.2	18
60	Multicomponent Au/Cu-ZnO-Al2O3 catalysts: Robust materials for clean hydrogen production. Applied Catalysis A: General, 2018, 558, 91-98.	4.3	15
61	Multicomponent Ni-CeO2 nanocatalysts for syngas production from CO2/CH4 mixtures. Journal of CO2 Utilization, 2018, 25, 68-78.	6.8	61
62	Epimerization of glucose over ionic liquid/phosphomolybdate hybrids: structureâ€“activity relationship. Green Chemistry, 2018, 20, 1042-1049.	9.0	10
63	CO2 reforming of methane over Ni-Ru supported catalysts: On the nature of active sites by operando DRIFTS study. Journal of CO2 Utilization, 2018, 24, 509-515.	6.8	93
64	Influence of gold particle size in Au/C catalysts for base-free oxidation of glucose. Catalysis Today, 2018, 306, 183-190.	4.4	46
65	Gold catalyst recycling study in base-free glucose oxidation reaction. Catalysis Today, 2018, 301, 72-77.	4.4	31
66	Chemical CO2 recycling via dry and bi reforming of methane using Ni-Sn/Al2O3 and Ni-Sn/CeO2-Al2O3 catalysts. Applied Catalysis B: Environmental, 2018, 224, 125-135.	20.2	178
67	Outstanding performance of rehydrated Mg-Al hydrotalcites as heterogeneous methanolysis catalysts for the synthesis of biodiesel. Fuel, 2018, 211, 173-181.	6.4	89
68	Tailoring structured WGS catalysts: Impact of multilayered concept on the water surface interactions. Applied Catalysis B: Environmental, 2018, 222, 124-132.	20.2	20
69	Metal Micro-Monoliths for the Kinetic Study and the Intensification of the Water Gas Shift Reaction. Catalysts, 2018, 8, 594.	3.5	11
70	Policies and Motivations for the CO2 Valorization through the Sabatier Reaction Using Structured Catalysts. A Review of the Most Recent Advances. Catalysts, 2018, 8, 578.	3.5	47
71	Operando DRIFTS-MS Study of WGS and rWGS Reaction on Biochar-Based Pt Catalysts: The Promotional Effect of Na. Journal of Carbon Research, 2018, 4, 47.	2.7	13
72	Understanding the Role of the Acid Sites in 5-Hydroxymethylfurfural Oxidation to 2,5-Furandicarboxylic Acid Reaction over Gold Catalysts: Surface Investigation on Ce_{<i>x</i>}Zr_{1â€“<i>x</i>}O₂ Compounds. ACS Catalysis, 2018, 8, 11154-11164.	11.2	55

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73	Analysis of the variables that modify the robustness of Ti-SiO2 catalysts for alkene epoxidation: Role of silylation, deactivation and potential solutions. Molecular Catalysis, 2018, 459, 55-60.	2.0	9
74	Selective CO methanation with structured RuO2/Al2O3 catalysts. Applied Catalysis B: Environmental, 2018, 236, 420-427.	20.2	49
75	Unravelling the Role of Oxygen Vacancies in the Mechanism of the Reverse Waterâ€“Gas Shift Reaction by <i>Operando</i> DRIFTS and Ultravioletâ€“Visible Spectroscopy. ACS Catalysis, 2018, 8, 7455-7467.	11.2	178
76	CO/H2 adsorption on a Ru/Al2O3 model catalyst for Fischer Trospch: Effect of water concentration on the surface species. Applied Catalysis B: Environmental, 2018, 237, 986-995.	20.2	24
77	New concept for old reaction: Novel WGS catalyst design. Applied Catalysis B: Environmental, 2018, 238, 1-5.	20.2	34
78	Improving the activity of gold nanoparticles for the water-gas shift reaction using TiO₂â€“Y₂O₃: an example of catalyst design. Physical Chemistry Chemical Physics, 2018, 20, 22076-22083.	2.8	8
79	Pt/CePO4 catalysts for the WGS reaction: influence of the water-supplier role of the support on the catalytic performance. Journal of Materials Chemistry A, 2018, 6, 17001-17010.	10.3	17
80	Gold catalysts screening in base-free aerobic oxidation of glucose to gluconic acid. Catalysis Today, 2017, 279, 148-154.	4.4	48
81	Deep insight into Zr/Fe combination for successful Pt/CeO₂/Al₂O₃ WGS catalyst doping. Catalysis Science and Technology, 2017, 7, 1556-1564.	4.1	30
82	Monitoring the Reaction Mechanism in Model Biogas Reforming by Inâ€…Situ Transient and Steadyâ€State DRIFTS Measurements. ChemSusChem, 2017, 10, 1193-1201.	6.8	48
83	Fischerâ€“Tropsch Synthesis Over Zr-Promoted Co/Î³-Al2O3 Catalysts. Topics in Catalysis, 2017, 60, 1285-1298.	2.8	11
84	Structuring Pt/CeO2/Al2O3 WGS catalyst: Introduction of buffer layer. Applied Catalysis B: Environmental, 2017, 200, 420-427.	20.2	31
85	Gold promoted Cu/ZnO/Al2O3 catalysts prepared from hydrotalcite precursors: Advanced materials for the WGS reaction. Applied Catalysis B: Environmental, 2017, 201, 310-317.	20.2	61
86	Catalysts on Metallic Surfaces: Monoliths and Microreactors. , 2016, , 81-120.		6
87	Au/CeO2 Catalysts: Structure and CO Oxidation Activity. Catalysts, 2016, 6, 158.	3.5	58
88	Recycling of construction and demolition waste generated by building infrastructure for the production of glassy materials. Ceramics International, 2016, 42, 15217-15223.	4.8	33
89	WGS and CO-PrOx reactions using gold promoted copper-ceria catalysts: â€œBulk CuO CeO2 vs. CuO CeO2/Al2O3 with low mixed oxide contentâ€. Applied Catalysis B: Environmental, 2016, 197, 62-72.	20.2	53
90	Impact of structured catalysts in amine oxidation under mild conditions. Catalysis Today, 2016, 273, 266-272.	4.4	0

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91	Intensifying glycerol steam reforming on a monolith catalyst: A reaction kinetic model. Chemical Engineering Journal, 2016, 306, 933-941.	12.7	8
92	Au-supported on Fe-doped ceria solids prepared in water-in-oil microemulsions: Catalysts for CO oxidation. Catalysis Today, 2016, 278, 140-149.	4.4	8
93	Forced deactivation and postmortem characterization of a metallic microchannel reactor employed for the preferential oxidation of CO (PROX). Chemical Engineering Journal, 2016, 302, 650-662.	12.7	14
94	Promoting effect of Sn on supported Ni catalyst during steam reforming of glycerol. International Journal of Hydrogen Energy, 2016, 41, 9234-9244.	7.1	45
95	<i>Inâ€situ</i> Raman spectroscopy study of Ru/TiO₂ catalyst in the selective methanation of CO. Journal of Raman Spectroscopy, 2016, 47, 189-197.	2.5	56
96	Influence of the ionic liquid presence on the selective oxidation of glucose over molybdenum based catalysts. Catalysis Today, 2016, 278, 82-90.	4.4	7
97	The role of Au, Cu & CeO 2 and their interactions for an enhanced WGS performance. Applied Catalysis B: Environmental, 2016, 187, 98-107.	20.2	49
98	Nanogold mesoporous iron promoted ceria catalysts for total and preferential CO oxidation reactions. Journal of Molecular Catalysis A, 2016, 414, 62-71.	4.8	13
99	The role of carbon overlayers on Pt-based catalysts for H2-cleanup by CO-PROX. Surface Science, 2016, 648, 84-91.	1.9	12
100	Intensification of hydrogen production by methanol steam reforming. International Journal of Hydrogen Energy, 2016, 41, 5250-5259.	7.1	56
101	Liquid-phase oxidation with hydrogen peroxide of benzyl alcohol and xylenes on Ca10(PO4)6(OH)2 â€" CaWO4. Comptes Rendus Chimie, 2016, 19, 1156-1165.	0.5	2
102	O2-assisted Water Gas Shift reaction over structured Au and Pt catalysts. Applied Catalysis B: Environmental, 2016, 185, 337-343.	20.2	34
103	Ruâ€"Ni Catalyst in the Combined Dry-Steam Reforming of Methane: The Importance in the Metal Order Addition. Topics in Catalysis, 2016, 59, 303-313.	2.8	51
104	Boosting the activity of a Au/CeO2/Al2O3 catalyst for the WGS reaction. Catalysis Today, 2015, 253, 149-154.	4.4	47
105	Ni-CeO2/C Catalysts with Enhanced OSC for the WGS Reaction. Catalysts, 2015, 5, 298-309.	3.5	23
106	Glycerol steam reforming on bimetallic NiSn/CeO2â€"MgOâ€"Al2O3 catalysts: Influence of the support, reaction parameters and deactivation/regeneration processes. Applied Catalysis A: General, 2015, 492, 38-47.	4.3	54
107	Ionic liquid immobilization on carbon nanofibers and zeolites: Catalyst design for the liquid-phase toluene chlorination. Comptes Rendus Chimie, 2015, 18, 324-329.	0.5	12
108	Catalytic screening of Au/CeO 2 -MO x /Al 2 O 3 catalysts (MÂ=ÂLa, Ni, Cu, Fe, Cr, Y) in the CO-PrOx reaction. International Journal of Hydrogen Energy, 2015, 40, 1782-1788.	7.1	28

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109	Mono and bimetallic Cu-Ni structured catalysts for the water gas shift reaction. Applied Catalysis A: General, 2015, 497, 1-9.	4.3	55
110	Microreactors technology for hydrogen purification: Effect of the catalytic layer thickness on CuO /CeO2-coated microchannel reactors for the PROX reaction. Chemical Engineering Journal, 2015, 275, 45-52.	12.7	27
111	H2 oxidation as criterion for PrOx catalyst selection: Examples based on Auâ€“CoO -supported systems. Journal of Catalysis, 2015, 326, 161-171.	6.2	21
112	Synergy between gold and oxygen vacancies in gold supported on Zr-doped ceria catalysts for the CO oxidation. Applied Catalysis B: Environmental, 2015, 176-177, 385-395.	20.2	77
113	Oxodiperoxomolybdenum complex immobilized onto ionic liquid modified SBA-15 as an effective catalysis for sulfide oxidation to sulfoxides using hydrogen peroxide. Catalysis Today, 2015, 255, 102-108.	4.4	33
114	Synthesis and application of layered titanates in the photocatalytic degradation of phenol. Applied Catalysis B: Environmental, 2015, 163, 23-29.	20.2	23
115	Effect of gold on a NiLaO3 perovskite catalyst for methane steam reforming. Applied Catalysis B: Environmental, 2014, 144, 846-854.	20.2	25
116	Pt vs. Au in waterâ€“gas shift reaction. Journal of Catalysis, 2014, 314, 1-9.	6.2	103
117	Metallic structured catalysts: Influence of the substrate on the catalytic activity. Applied Catalysis A: General, 2014, 478, 45-57.	4.3	27
118	Gold supported on CuOx/CeO2 catalyst for the purification of hydrogen by the CO preferential oxidation reaction (PROX). Fuel, 2014, 118, 176-185.	6.4	46
119	Surface oxygen vacancies in gold based catalysts for CO oxidation. RSC Advances, 2014, 4, 13145-13152.	3.6	24
120	Understanding the Role of the Cosolvent in the Zeolite Template Function of Imidazolium-Based Ionic Liquid. Journal of Physical Chemistry B, 2014, 118, 3650-3660.	2.6	4
121	Viability of Au/CeO₂â€“ZnO/Al₂O₃ Catalysts for Pure Hydrogen Production by the Waterâ€“Gas Shift Reaction. ChemCatChem, 2014, 6, 1401-1409.	3.7	21
122	Pyridine adsorption on NiSn/MgOâ€“Al2O3: An FTIR spectroscopic study of surface acidity. Applied Surface Science, 2014, 317, 241-251.	6.1	46
123	Phase assembly and electrical conductivity of spark plasma sintered CeO2â€“ZrO2 ceramics. Journal of Materials Science, 2014, 49, 6353-6362.	3.7	4
124	Influence of the acidâ€“base properties over NiSn/MgOâ€“Al2O3 catalysts in the hydrogen production from glycerol steam reforming. International Journal of Hydrogen Energy, 2014, 39, 5704-5712.	7.1	69
125	Could an efficient WGS catalyst be useful in the CO-PrOx reaction?. Applied Catalysis B: Environmental, 2014, 150-151, 554-563.	20.2	28
126	Structured Catalysts for Volatile Organic Compound Removal. , 2013, , 233-256.		4

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127	Effect of the alloy on micro-structured reactors for methanol steam reforming. Catalysis Today, 2013, 213, 145-154.	4.4	30
128	Multiple Zeolite Structures from One Ionic Liquid Template. Chemistry - A European Journal, 2013, 19, 2122-2130.	3.3	34
129	Preferential oxidation of CO over Au/CuOxâ€“CeO2 catalyst in microstructured reactors studied through CFD simulations. Catalysis Today, 2013, 216, 283-291.	4.4	15
130	Influence of the O2/CO ratio and the presence of H2O and CO2 in the feed-stream during the preferential oxidation of CO (PROX) over a CuOx/CeO2-coated microchannel reactor. Catalysis Today, 2013, 203, 182-187.	4.4	31
131	Steam reforming of methanol over supported Ni and Niâ€“Sn nanoparticles. International Journal of Hydrogen Energy, 2013, 38, 6646-6656.	7.1	39
132	Au/CeO2 metallic monolith catalysts: influence of the metallic substrate. Gold Bulletin, 2013, 46, 221-231.	2.4	17
133	Impact of Ceâ€“Fe synergism on the catalytic behaviour of Au/CeO₂â€“FeO_x/Al₂O₃for pure H₂production. Catalysis Science and Technology, 2013, 3, 779-787.	4.1	38
134	Gold(iii) stabilized over ionic liquids grafted on MCM-41 for highly efficient three-component coupling reactions. Physical Chemistry Chemical Physics, 2013, 15, 16927.	2.8	46
135	Au/TiO2 supported on ferritic stainless steel monoliths as CO oxidation catalysts. Applied Surface Science, 2013, 270, 169-177.	6.1	29
136	In situ characterization of iron-promoted ceriaâ€“alumina gold catalysts during the water-gas shift reaction. Catalysis Today, 2013, 205, 41-48.	4.4	32
137	Advances in Structured and Microstructured Catalytic Reactors for Hydrogen Production. , 2013, , 201-224.		11
138	Microprocess Technology for Hydrogen Purification. , 2013, , 225-243.		6
139	Low-temperature CO oxidation on multicomponent gold based catalysts. Frontiers in Chemistry, 2013, 1, 12.	3.6	21
140	Influence of the Lanthanide Oxides on the Catalytic Behavior of Au/Al₂O₃ Catalysts for Total and Preferential CO Oxidation. Advanced Chemistry Letters, 2013, 1, 237-246.	0.1	1
141	Nanostructured Spark Plasma Sintered <scp><scp>Ceâ€TZP</scp></scp> Ceramics. Journal of the American Ceramic Society, 2012, 95, 901-906.	3.8	6
142	CO-Induced Morphology Changes in Zn-Modified Ceria: A FTIR Spectroscopic Study. Journal of Physical Chemistry C, 2012, 116, 5747-5756.	3.1	12
143	Sub-ambient CO oxidation over mesoporous Co3O4: Effect of morphology on its reduction behavior and catalytic performance. Applied Catalysis A: General, 2012, 431-432, 9-17.	4.3	76
144	Influence of the shape of Ni catalysts in the glycerol steam reforming. Applied Catalysis B: Environmental, 2012, 123-124, 379-390.	20.2	80

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145	Influence of PVP in magnetic properties of NiSn nanoparticles prepared by polyol method. Journal of Magnetism and Magnetic Materials, 2012, 324, 4011-4018.	2.3	12
146	Gold supported on pillared clays for CO oxidation reaction: Effect of the clay aggregate size. Applied Clay Science, 2012, 69, 22-29.	5.2	16
147	A CFD study on the effect of the characteristic dimension of catalytic wall microreactors. AICHE Journal, 2012, 58, 2785-2797.	3.6	27
148	Influence of Vanadium or Cobalt Oxides on the CO Oxidation Behavior of Au/MO_{<i>x</i>}/CeO₂â€“Al₂O₃ Systems. ChemCatChem, 2012, 4, 512-520.	3.7	26
149	DRIFTS study of methanol adsorption on Mgâ€“Al hydrotalcite catalysts for the transesterification of vegetable oils. Catalysis Communications, 2012, 17, 189-193.	3.3	23
150	Preferential oxidation of CO (CO-PROX) over CuOx/CeO2 coated microchannel reactor. Catalysis Today, 2012, 180, 105-110.	4.4	42
151	Sub-ambient CO oxidation over Au/MOx/CeO2-Al2O3 (M=Zn or Fe). Applied Catalysis A: General, 2012, 419-420, 58-66.	4.3	22
152	Gold supported cryptomelane-type manganese dioxide OMS-2 nanomaterials deposited on AISI 304 stainless steels monoliths for CO oxidation. Applied Catalysis A: General, 2012, 423-424, 137-145.	4.3	18
153	Cu-modified cryptomelane oxide as active catalyst for CO oxidation reactions. Applied Catalysis B: Environmental, 2012, 123-124, 27-35.	20.2	95
154	Aluminum Anodization in Oxalic Acid: Controlling the Texture of Al₂O₃/Al Monoliths for Catalytic Aplications. Industrial & Engineering Chemistry Research, 2011, 50, 2117-2125.	3.7	26
155	Gold Functionalized Supported Ionic Liquids Catalyst for CO Oxidation. Catalysts, 2011, 1, 52-68.	3.5	5
156	Structural and catalytic properties of lanthanide (La, Eu, Gd) doped ceria. Journal of Solid State Chemistry, 2011, 184, 3014-3020.	2.9	136
157	CO oxidation at low temperature on Au/CePO4: Mechanistic aspects. Applied Catalysis B: Environmental, 2011, 107, 268-273.	20.2	32
158	Oxidation of CO over gold supported on Zn-modified ceria catalysts. Catalysis Today, 2011, 172, 118-123.	4.4	76
159	Gold Nanoparticles on Yttrium Modified Titania: Support Properties and Catalytic Activity. Topics in Catalysis, 2011, 54, 219-228.	2.8	25
160	Fischerâ€“Tropsch synthesis in microchannels. Chemical Engineering Journal, 2011, 167, 536-544.	12.7	91
161	Ionic liquid protected heteropoly acids for methanol dehydration. Catalysis Today, 2011, 171, 236-241.	4.4	15
162	Selective CO removal over Au/CeFe and CeCu catalysts in microreactors studied through kinetic analysis and CFD simulations. Chemical Engineering Journal, 2011, 167, 588-596.	12.7	38

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