

# Jose Luis G Fierro

## List of Publications by Year in descending order

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996  
papers

51,319  
citations

1697

104  
h-index

4978

167  
g-index

1024  
all docs

1024  
docs citations

1024  
times ranked

35565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in membranes and membrane reactors for the Fischer-Tropsch synthesis process for biofuel production. <i>Reviews in Chemical Engineering</i> , 2022, 38, 55-76.	2.3	15
2	Formation and Photoinduced Electron Transfer in Porphyrin- and Phthalocyanine-Bearing N-Doped Graphene Hybrids Synthesized by Click Chemistry. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	3
3	Cover Feature: Formation and Photoinduced Electron Transfer in Porphyrin- and Phthalocyanine-Bearing N-Doped Graphene Hybrids Synthesized by Click Chemistry ( <i>Chem. Eur. J.</i> ) Tj ETQq1 1 0.784314 r gBT /Ove	1.7	3
4	Effect of sulfidation pressure on the structure and activity of Ni(CyDTA)W/Al <sub>2</sub> O <sub>3</sub> hydrodesulfurization catalysts. <i>Catalysis Today</i> , 2021, 377, 92-99.	2.2	9
5	Influence of bimetallic characteristics on the performance of MoCoP and MoFeP catalysts for methyl laurate hydrodeoxygenation. <i>Catalysis Today</i> , 2021, 367, 43-50.	2.2	11
6	Direct Synthesis of Dimethyl Ether from CO <sub>2</sub> : Recent Advances in Bifunctional/Hybrid Catalytic Systems. <i>Catalysts</i> , 2021, 11, 411.	1.6	45
7	Conversion of levulinic acid over rhenium oxide catalysts: Effect of metal content. <i>Applied Catalysis A: General</i> , 2021, 625, 118328.	2.2	5
8	Synergistic Effect in Vapor Phase Hydrodeoxygenation on USY Zeolite Supported Ir-Pt Catalyst: Role of Pentacoordinated Al <sup>3+</sup> Ions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 18707-18721.	1.8	5
9	Cobalt SiO <sub>2</sub> core-shell catalysts for chemoselective hydrogenation of cinnamaldehyde. <i>Catalysis Today</i> , 2020, 356, 330-338.	2.2	9
10	Titanium carbonitride-graphene composites assembled with organic linkers as electrocatalytic supports for methanol oxidation reaction. <i>Catalysis Today</i> , 2020, 356, 101-109.	2.2	4
11	Factors influencing selectivity in the liquid-phase phenol hydrodeoxygenation over ZSM-5 supported Pt/Ir and Pt+Ir catalysts. <i>Molecular Catalysis</i> , 2020, 482, 110669.	1.0	5
12	Characterization of none and yttrium-modified Ni-based catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119335.	10.8	52
13	Promotional effect of palladium in Co-SiO <sub>2</sub> core@shell nanocatalysts for selective liquid phase hydrogenation of chloronitroarenes. <i>Journal of Catalysis</i> , 2020, 385, 224-237.	3.1	29
14	Triplet photosensitizer-nanotube conjugates: synthesis, characterization and photochemistry of charge stabilizing, palladium porphyrin/carbon nanotube conjugates. <i>Nanoscale</i> , 2020, 12, 9890-9898.	2.8	10
15	Direct synthesis of hydrogen peroxide without the use of acids or halide promoters in dissolution. <i>Catalysis Science and Technology</i> , 2020, 10, 2333-2336.	2.1	9
16	Trimetallic RuMoNi Catalysts Supported on SBA-15 for the Hydrodesulfurization of Dibenzothiophene. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	1
17	Cycloaddition of Nitrile Oxides to Graphene: a Theoretical and Experimental Approach. <i>Chemistry - A European Journal</i> , 2019, 25, 14644-14650.	1.7	9
18	Modulating charge carrier density and mobility in doped graphene by covalent functionalization. <i>Chemical Communications</i> , 2019, 55, 9999-10002.	2.2	7

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19	Bidirectional charge-transfer behavior in carbon-based hybrid nanomaterials. <i>Nanoscale</i> , 2019, 11, 14978-14992.	2.8	20
20	The promoter effect of Co on the catalytic activity of the Cu oxide active phase supported on Al <sub>2</sub> O <sub>3</sub> in the hydrogenolysis of glycerol. <i>New Journal of Chemistry</i> , 2019, 43, 15636-15645.	1.4	5
21	Occurrence of excited state charge separation in a N-doped graphene- <i>perylene</i> diimide hybrid formed via click chemistry. <i>Nanoscale Advances</i> , 2019, 1, 4009-4015.	2.2	4
22	Effect of Re content and support in the liquid phase conversion of furfural to furfuryl alcohol and 2-methyl furan over ReOx catalysts. <i>Fuel</i> , 2019, 242, 532-544.	3.4	32
23	CdS Photocatalysts Modified with Ag: Effect of the Solvothermal Temperature on the Structure and Photoactivity for Hydrogen Production. <i>Catalysts</i> , 2019, 9, 110.	1.6	14
24	Lanthanum oxide behavior in La <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> catalysts with application in FAME production. <i>Fuel</i> , 2019, 253, 400-408.	3.4	34
25	Enhanced bimetallic Rh-Ni supported catalysts on alumina doped with mixed lanthanum-cerium oxides for ethanol steam reforming. <i>Molecular Catalysis</i> , 2019, 469, 87-97.	1.0	35
26	Na-doped ruthenium perovskite electrocatalysts with improved oxygen evolution activity and durability in acidic media. <i>Nature Communications</i> , 2019, 10, 2041.	5.8	227
27	Effect of particle size on the photocatalytic activity of modified rutile sand (TiO <sub>2</sub> ) for the discoloration of methylene blue in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 378, 136-141.	2.0	44
28	Synergetic effect in Ru <sub>x</sub> Mo <sub>(1-x)</sub> S <sub>2</sub> /SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 143-153.	10.8	9
29	Partial Oxidation of Methane to Syngas Over Nickel-Based Catalysts: Influence of Support Type, Addition of Rhodium, and Preparation Method. <i>Frontiers in Chemistry</i> , 2019, 7, 104.	1.8	59
30	Post-synthesis Treatment of TS-1 with TPAOH: Effect of Hydrophobicity on the Liquid-Phase Oxidation of Furfural to Maleic Acid. <i>Topics in Catalysis</i> , 2019, 62, 560-569.	1.3	12
31	Deep eutectic solvents as active media for the preparation of highly conducting 3D free-standing PANI xerogels and their derived N-doped and N-, P-codoped porous carbons. <i>Carbon</i> , 2019, 146, 813-826.	5.4	11
32	Selective hydrodeoxygenation of biomass derived 5-hydroxymethylfurfural over silica supported iridium catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 270-283.	10.8	64
33	Influence of calcination on metallic dispersion and support interactions for NiRu/TiO <sub>2</sub> catalyst in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2019, 329, 149-155.	2.2	23
34	Catalytic gasification of pine-sawdust: Effect of primary and secondary catalysts. <i>Journal of the Energy Institute</i> , 2019, 92, 1727-1735.	2.7	9
35	Hydrogen-bond supramolecular hydrogels as efficient precursors in the preparation of freestanding 3D carbonaceous architectures containing BCNO nanocrystals and exhibiting a high CO <sub>2</sub> /CH <sub>4</sub> adsorption ratio. <i>Carbon</i> , 2018, 134, 470-479.	5.4	13
36	Steam reforming of tar model compounds over Ni/Mayenite catalysts: effect of Ce addition. <i>Fuel</i> , 2018, 224, 676-686.	3.4	72

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37	Edge-on and face-on functionalized Pc on enriched semiconducting SWCNT hybrids. <i>Nanoscale</i> , 2018, 10, 5205-5213.	2.8	18
38	Hydrogen production by methane decomposition: A comparative study of supported and bulk ex-hydrotalcite mixed oxide catalysts with Ni, Mg and Al. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9607-9621.	3.8	35
39	Hydrogen storage in liquid hydrocarbons: Effect of platinum addition to partially reduced Mo-SiO <sub>2</sub> catalysts. <i>Materials Chemistry and Physics</i> , 2018, 209, 188-199.	2.0	14
40	Stable reduced Ni catalysts for xylose hydrogenation in aqueous medium. <i>Catalysis Today</i> , 2018, 310, 59-67.	2.2	17
41	Structure and surface properties of ceria-modified Ni-based catalysts for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 340-353.	10.8	96
42	Exploring the effects of ZVI addition on resource recovery in the anaerobic digestion process. <i>Chemical Engineering Journal</i> , 2018, 335, 703-711.	6.6	56
43	Characterizations and HDS performances of sulfided NiMoW catalysts supported on mesoporous titania-modified SBA-15. <i>Catalysis Today</i> , 2018, 305, 152-161.	2.2	19
44	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al <sub>2</sub> O <sub>3</sub> –TiO <sub>2</sub> catalysts. <i>Fuel</i> , 2018, 233, 644-657.	3.4	28
45	Structure and photoactivity for hydrogen production of CdS nanorods modified with In, Ga, Ag-In and Ag-Ga and prepared by solvothermal method. <i>Materials Today Energy</i> , 2018, 9, 345-358.	2.5	11
46	Regioselectivity of the Pauson–Khand reaction in single-walled carbon nanotubes. <i>Nanoscale</i> , 2018, 10, 15078-15089.	2.8	11
47	Microwave-Assisted Coprecipitation Synthesis of LaCoO <sub>3</sub> Nanoparticles and Their Catalytic Activity for Syngas Production by Partial Oxidation of Methane. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	8
48	Hydrodeoxygenation of phenol on bifunctional Ni-based catalysts: Effects of Mo promotion and support. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 147-160.	10.8	83
49	Improving the production of maleic acid from biomass: TS-1 catalysed aqueous phase oxidation of furfural in the presence of Î <sup>3</sup> -valerolactone. <i>Green Chemistry</i> , 2018, 20, 2845-2856.	4.6	58
50	N-Doped graphene/C60 covalent hybrid as a new material for energy harvesting applications. <i>Chemical Science</i> , 2018, 9, 8221-8227.	3.7	12
51	Ni/HZSM-5 catalyst preparation by deposition-precipitation. Part 2. Catalytic hydrodeoxygenation reactions of lignin model compounds in organic and aqueous systems. <i>Applied Catalysis A: General</i> , 2018, 562, 294-309.	2.2	43
52	Effect of phosphorus on the activity of Cu/SiO <sub>2</sub> catalysts in the hydrogenolysis of glycerol. <i>Catalysis Today</i> , 2017, 279, 217-223.	2.2	17
53	Catalytic hydrodeoxygenation of anisole over Re-MoO <sub>x</sub> /TiO <sub>2</sub> and Re-VO <sub>x</sub> /TiO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 208, 60-74.	10.8	73
54	High- <i>k</i> gadolinium scandate on Si obtained by high pressure sputtering from metal targets and <i>in-situ</i> plasma oxidation. <i>Semiconductor Science and Technology</i> , 2017, 32, 035016.	1.0	5

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55	Support effect and metals interactions for NiRu/Al <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> and ZrO <sub>2</sub> catalysts in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2017, 296, 219-227.	2.2	61
56	Effect of the Acidity of the Groups of Functionalized Silicas on the Direct Synthesis of H <sub>2</sub> O <sub>2</sub> . <i>Topics in Catalysis</i> , 2017, 60, 1151-1155.	1.3	11
57	Deactivation of CuZn Catalysts Used in Glycerol Hydrogenolysis to Obtain 1,2-Propanediol. <i>Topics in Catalysis</i> , 2017, 60, 1062-1071.	1.3	23
58	Enhancing xylose aqueous-phase hydrogenation catalytic performance of A-site Ce substituted and B-site Rh doped reduced perovskites. <i>Molecular Catalysis</i> , 2017, 436, 182-189.	1.0	13
59	Charge stabilizing tris(triphenylamine)-zinc porphyrin-carbon nanotube hybrids: synthesis, characterization and excited state charge transfer studies. <i>Nanoscale</i> , 2017, 9, 7551-7558.	2.8	35
60	Ni/HZSM-5 catalyst preparation by deposition-precipitation. Part 1. Effect of nickel loading and preparation conditions on catalyst properties. <i>Applied Catalysis A: General</i> , 2017, 540, 7-20.	2.2	32
61	Influence of the Reduction of Graphene Oxide with Hydroiodic Acid on the Structure and Photoactivity of CdS-rGO Hybrids. <i>Topics in Catalysis</i> , 2017, 60, 1183-1195.	1.3	10
62	Gas phase oxidation of furfural to maleic anhydride on V <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts: Reaction conditions to slow down the deactivation. <i>Journal of Catalysis</i> , 2017, 348, 265-275.	3.1	48
63	Influence of the reduction of graphene oxide (rGO) on the structure and photoactivity of CdS-rGO hybrid systems. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13691-13703.	3.8	24
64	New insights in the adsorption of Bovine Serum Albumin onto carbon nanoparticles derived from organic resin: Experimental and theoretical studies. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 418-428.	2.2	24
65	The effect of cellulose loading on the photoactivity of cellulose-TiO <sub>2</sub> hybrids for hydrogen production under simulated sunlight. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28747-28754.	3.8	23
66	HDO activity of carbon-supported Rh, Ni and Mo-Ni catalysts. <i>Molecular Catalysis</i> , 2017, 441, 209-220.	1.0	50
67	Conversion of guaiacol over different Re active phases supported on CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis A: General</i> , 2017, 547, 256-264.	2.2	17
68	Sulfated Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> oxides. Surface properties and performance for methane oxidation under fuel-rich conditions. <i>Materials Chemistry and Physics</i> , 2017, 200, 223-232.	2.0	2
69	Optimization of nickel loading of mixed oxide catalyst ex-hydrotalcite for H <sub>2</sub> production by methane decomposition. <i>Applied Catalysis A: General</i> , 2017, 548, 71-82.	2.2	34
70	Nickel ferrite supported on calcium-stabilized zirconia for solar hydrogen production by two-step thermochemical water splitting. <i>Materials Today Energy</i> , 2017, 6, 248-254.	2.5	10
71	Structure and Reactivity of sol-gel V/SiO <sub>2</sub> Catalysts for the Direct Conversion of Methane to Formaldehyde. <i>Topics in Catalysis</i> , 2017, 60, 1129-1139.	1.3	11
72	Structural effects of LaNiO <sub>3</sub> as electrocatalyst for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 363-371.	10.8	69

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73	Influence of the solvent on the structure, morphology and performance for H <sub>2</sub> evolution of CdS photocatalysts prepared by solvothermal method. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 753-767.	10.8	146
74	Characterization and HDS activity of sulfided Co Mo W/SBA-16 catalysts: Effects of P addition and Mo/(Mo + W) ratio. <i>Fuel</i> , 2017, 198, 145-158.	3.4	32
75	Oxidation of furfural in aqueous H <sub>2</sub> O <sub>2</sub> catalysed by titanium silicalite: Deactivation processes and role of extraframework Ti oxides. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 269-280.	10.8	85
76	From Nanorods to Nanowires of CdS Synthesized by a Solvothermal Method: Influence of the Morphology on the Photoactivity for Hydrogen Evolution from Water. <i>Molecules</i> , 2016, 21, 401.	1.7	19
77	Self-Assembly of 1D/2D Hybrid Nanostructures Consisting of a Cd(II) Coordination Polymer and NiAl-Layered Double Hydroxides. <i>Polymers</i> , 2016, 8, 5.	2.0	13
78	Straightforward High-Pressure Synthesis and Characterization of Indium-Based Thiospinels: Photocatalytic Potential for Hydrogen Production. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1558-1565.	1.0	14
79	Perovskite as nickel catalyst precursor – impact on catalyst stability on xylose aqueous-phase hydrogenation. <i>RSC Advances</i> , 2016, 6, 67817-67826.	1.7	22
80	On the effect of Ce incorporation on pillared clay-supported Pt and Ir catalysts for aqueous-phase hydrodechlorination. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 236-243.	10.8	17
81	Performance of carbon-supported palladium and palladium ruthenium catalysts for alkaline membrane direct ethanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8954-8962.	3.8	42
82	Identifying the time-dependent predominance regimes of step and terrace sites for the Fischer-Tropsch synthesis on ruthenium based catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 6495-6503.	2.1	10
83	Dehydrogenation of methylcyclohexane to toluene over partially reduced silica-supported Pt-Mo catalysts. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 96-106.	4.8	64
84	Tailoring the textural properties of hierarchical porous carbons using deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9146-9159.	5.2	39
85	Modulation of the exfoliated graphene work function through cycloaddition of nitrile imines. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29582-29590.	1.3	16
86	K <sub>2</sub> O supported on sol-gel CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts for the transesterification reaction of canola oil. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 503-510.	4.8	17
87	Phenol hydrodeoxygenation: effect of support and Re promoter on the reactivity of Co catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 7289-7306.	2.1	56
88	Effect of Cu addition as a promoter on Re/SiO <sub>2</sub> catalysts in the hydrodeoxygenation of 2-methoxyphenol as a model bio oil compound. <i>Fuel</i> , 2016, 186, 112-121.	3.4	36
89	Direct synthesis of hydrogen peroxide with no ionic halides in solution. <i>RSC Advances</i> , 2016, 6, 99291-99296.	1.7	13
90	Effect of Re addition on the WGS activity and stability of Pt/CeO <sub>2</sub> -TiO <sub>2</sub> catalyst for membrane reactor applications. <i>Catalysis Today</i> , 2016, 268, 95-102.	2.2	25

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91	Ultrafast electron transfer in all-carbon-based SWCNTs donor-acceptor nanoensembles connected by poly(phenylene-ethynylene) spacers. <i>Nanoscale</i> , 2016, 8, 14716-14724.	2.8	18
92	Hydrogen production by autothermal reforming of methane over lanthanum chromites modified with Ru and Sr. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19373-19381.	3.8	25
93	Effect of A-site deficiency in LaMn <sub>0.9</sub> Co <sub>0.1</sub> O <sub>3</sub> perovskites on their catalytic performance for soot combustion. <i>Materials Research Bulletin</i> , 2016, 81, 134-141.	2.7	28
94	Evolution of the nanostructure of CdS using solvothermal synthesis at different temperature and its influence on the photoactivity for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11558-11567.	3.8	36
95	Synthesis of palladium nanoparticles on carbon nanotubes and graphene for the chemoselective hydrogenation of para-chloronitrobenzene. <i>Catalysis Communications</i> , 2016, 75, 55-59.	1.6	22
96	Selective conversion of sorbitol to glycols and stability of nickel-ruthenium supported on calcium hydroxide catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 141-149.	10.8	32
97	The effect of Cu loading on Ni/carbon nanotubes catalysts for hydrodeoxygenation of guaiacol. <i>RSC Advances</i> , 2016, 6, 26658-26667.	1.7	50
98	Electronic properties and catalytic performance for DME combustion of lanthanum manganites with partial B-site substitution. <i>Journal of Catalysis</i> , 2016, 338, 47-55.	3.1	19
99	Catalytic membrane reactor for the production of biofuels. <i>Catalysis Today</i> , 2016, 268, 37-45.	2.2	16
100	Synthesis of palladium nanoparticles over graphite oxide and carbon nanotubes by reduction in ethylene glycol and their catalytic performance on the chemoselective hydrogenation of para-chloronitrobenzene. <i>Applied Catalysis A: General</i> , 2016, 513, 89-97.	2.2	24
101	Effect of Ni Loading on Lanthanide (La and Ce) Promoted $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts Applied to Ethanol Steam Reforming. <i>Catalysis Letters</i> , 2016, 146, 433-441.	1.4	19
102	Hydrodeoxygenation of guaiacol over Ni/carbon catalysts: effect of the support and Ni loading. <i>RSC Advances</i> , 2016, 6, 2611-2623.	1.7	94
103	Synthesis, characterization and photoinduced charge separation of carbon nanohorn-oligothienylenevinylene hybrids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1828-1837.	1.3	8
104	Preparation of un-promoted molybdenum HDS catalysts supported on titania by equilibrium deposition filtration: Optimization of the preparative parameters and investigation of the promoting action of titania. <i>Journal of Molecular Catalysis A</i> , 2016, 412, 1-12.	4.8	20
105	Effect of Mg/Al Ratio on Catalytic Behavior of Fischer-Tropsch Cobalt-Based Catalysts Obtained from Hydrotalcites Precursors. <i>Topics in Catalysis</i> , 2016, 59, 230-240.	1.3	5
106	Deep Hydrodesulfurization of Dibenzothiophenes Over NiW Sulfide Catalysts Supported on Sol-Gel Titania-Alumina. <i>Topics in Catalysis</i> , 2016, 59, 241-251.	1.3	18
107	Enhanced methylcyclohexane dehydrogenation to toluene over Ir/USY catalyst. <i>Catalysis Today</i> , 2016, 259, 119-129.	2.2	45
108	Improved stability of Ni/Al <sub>2</sub> O <sub>3</sub> catalysts by effect of promoters (La <sub>2</sub> O <sub>3</sub> , CeO <sub>2</sub> ) for ethanol steam-reforming reaction. <i>Catalysis Today</i> , 2016, 259, 27-38.	2.2	115

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109	Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P. Applied Catalysis B: Environmental, 2016, 180, 569-579.	10.8	69
110	Thio-oxynitride phosphate glass electrolytes prepared by mechanical milling. Journal of Materials Research, 2015, 30, 2940-2948.	1.2	8
111	In situ electrochemical study of the interaction of cells with thermally treated titanium. Biointerphases, 2015, 10, 021006.	0.6	2
112	Introduction to hydrogen production. , 2015, , 21-61.		9
113	In-situ study of the promotional effect of chlorine on the Fischer-Tropsch synthesis with Ru/Al <sub>2</sub> O <sub>3</sub> . Journal of Catalysis, 2015, 332, 177-186.	3.1	23
114	Cu-Promoted Fe <sub>2</sub> O <sub>3</sub> /MgO-Based Fischer-Tropsch Catalysts of Biomass-Derived Syngas. Industrial & Engineering Chemistry Research, 2015, 54, 911-921.	1.8	33
115	Zero valent iron (ZVI) mediated Fenton degradation of industrial wastewater: Treatment performance and characterization of final composites. Chemical Engineering Journal, 2015, 269, 298-305.	6.6	113
116	Effect of Ir and Pt Addition on the HDO Performance of RuS <sub>2</sub> /SBA-15 Sulfide Catalysts. Topics in Catalysis, 2015, 58, 247-257.	1.3	10
117	Dehydrogenation of methylcyclohexane to toluene over partially reduced Mo-SiO <sub>2</sub> catalysts. Applied Catalysis A: General, 2015, 502, 329-339.	2.2	53
118	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga <sub>2</sub> O <sub>3</sub> nanoparticles. Fuel, 2015, 158, 405-415.	3.4	14
119	Rh/Al <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> catalysts promoted with CeO <sub>2</sub> for ethanol steam reforming reaction. Journal of Molecular Catalysis A, 2015, 407, 169-181.	4.8	45
120	Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer: Application to the determination of adiponectin cytokine in serum. Biosensors and Bioelectronics, 2015, 74, 24-29.	5.3	47
121	Ruthenium Effect on Formation Mechanism and Structural Characteristics of LaCo <sub>3</sub> -Ru <sub>3</sub> O <sub>7</sub> Perovskites and Its Influence on Catalytic Performance for Hydrocarbon Oxidative Reforming. Journal of Physical Chemistry C, 2015, 119, 16708-16723.	1.5	6
122	Effect of high-temperature pre-reduction in Fischer-Tropsch synthesis on Fe/ZrO <sub>2</sub> catalysts. Applied Catalysis A: General, 2015, 499, 109-117.	2.2	31
123	Syngas Conversion to Hydrocarbons on Zirconia-Supported Iron Catalysts. Catalysis Letters, 2015, 145, 1126-1137.	1.4	6
124	Catalytic Epoxidation of Cyclohexene with Tert-butylhydroperoxide Using an Immobilized Molybdenum Catalyst. Topics in Catalysis, 2015, 58, 325-333.	1.3	14
125	A new non-cinchona chiral modifier immobilized on Pt/SiO <sub>2</sub> catalysts for enantioselective heterogeneous hydrogenation. Applied Catalysis A: General, 2015, 498, 76-87.	2.2	7
126	Influence of Ni environment on the reactivity of Ni-Mg-Al catalysts for the acetone steam reforming reaction. International Journal of Hydrogen Energy, 2015, 40, 5289-5296.	3.8	29



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127	Covalent decoration onto the outer walls of double walled carbon nanotubes with perylenediimides. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4960-4969.	2.7	16
128	A simple approach to synthesize g-C <sub>3</sub> N <sub>4</sub> with high visible light photoactivity for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7273-7281.	3.8	53
129	Low-temperature water-gas shift on Pt/Ce <sub>0.8</sub> La <sub>0.2</sub> O <sub>2</sub> -CNT: The effect of Ce <sub>0.8</sub> La <sub>0.2</sub> O <sub>2</sub> /CNT ratio. <i>Applied Catalysis A: General</i> , 2015, 504, 585-598.	2.2	15
130	Covalent functionalization of N-doped graphene by N-alkylation. <i>Chemical Communications</i> , 2015, 51, 16916-16919.	2.2	24
131	Nano-laminate vs. direct deposition of high permittivity gadolinium scandate on silicon by high pressure sputtering. <i>Thin Solid Films</i> , 2015, 593, 62-66.	0.8	8
132	Peripheral versus axial substituted phthalocyanine-double-walled carbon nanotube hybrids as light harvesting systems. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10215-10224.	2.7	17
133	Structure and Activity of Pt-Ni Catalysts Supported on Modified Al <sub>2</sub> O <sub>3</sub> for Ethanol Steam Reforming. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6592-6603.	0.9	5
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138	Hydrogen-reduced Cu/ZnO composite as efficient reusable catalyst for diesel particulate matter oxidation. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 555-565.	10.8	21
139	Hydrodeoxygenation of 2-methoxyphenol over different Re active phases supported on SiO <sub>2</sub> catalysts. <i>Applied Catalysis A: General</i> , 2015, 490, 71-79.	2.2	78
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830	Characterization of potassium-doped nickel catalysts and activity for selective hydrogenation of 1,6-hexanedinitrile. <i>Journal of Molecular Catalysis</i> , 1993, 81, 387-395.	1.2	30
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836	Acidity and catalytic behavior of vanadium-phosphorus-oxygen catalysts. <i>Applied Catalysis A: General</i> , 1993, 100, 37-50.	2.2	41
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838	Coking kinetics of fresh and thermally aged commercial Cr <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Applied Catalysis A: General</i> , 1993, 101, 185-198.	2.2	21
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840	Mo-USY zeolites for hydrodesulphurization. <i>Applied Catalysis A: General</i> , 1993, 99, 55-70.	2.2	29
841	Hydrocarbons from synthesis gas: selectivity changes induced by the zeolite matrix on the metallic function in Rh/Y catalysts. <i>Applied Catalysis A: General</i> , 1993, 107, 59-71.	2.2	2
842	Benzene hydrogenation and hydrogenolysis of n-butane on Rh/H(x)NaY zeolite catalysts. <i>Applied Catalysis A: General</i> , 1993, 103, 5-16.	2.2	16
843	Decomposition of NO on Cu-loaded zeolites. <i>Catalysis Today</i> , 1993, 17, 167-174.	2.2	23
844	Spectroscopic studies of surface copper spinels. Influence of pretreatments on chemical state of copper. <i>Surface and Interface Analysis</i> , 1993, 20, 1067-1074.	0.8	33
845	Selective oxidation of methane to formaldehyde on supported molybdate catalysts. <i>Catalysis Letters</i> , 1993, 17, 205-211.	1.4	41
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866	Relationship between reduced nickel and activity for benzene hydrogenation on Ni-USY zeolite catalysts. <i>Applied Catalysis A: General</i> , 1992, 87, 145-156.	2.2	48
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868	Characterization and catalytic properties of several potassium-doped iron-nickel catalysts. <i>Applied Catalysis A: General</i> , 1992, 92, 131-141.	2.2	18
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