

Jose Luis G Fierro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

991
papers

43,870
citations

96
h-index

152
g-index

1,024
ext. papers

46,939
ext. citations

6.8
avg, IF

7.52
L-index

#	Paper	IF	Citations
991	Direct Synthesis of Dimethyl Ether from CO ₂ : Recent Advances in Bifunctional/Hybrid Catalytic Systems. <i>Catalysts</i> , 2021 , 11, 411	4	13
990	Effect of sulfidation pressure on the structure and activity of Ni(CyDTA)W/Al ₂ O ₃ hydrodesulfurization catalysts. <i>Catalysis Today</i> , 2021 , 377, 92-99	5.3	3
989	Influence of bimetallic characteristics on the performance of MoCoP and MoFeP catalysts for methyl laurate hydrodeoxygenation. <i>Catalysis Today</i> , 2021 , 367, 43-50	5.3	5
988	Conversion of levulinic acid over rhenium oxide catalysts: Effect of metal content. <i>Applied Catalysis A: General</i> , 2021 , 625, 118328	5.1	1
987	Promotional effect of palladium in Co-SiO ₂ core@shell nanocatalysts for selective liquid phase hydrogenation of chloronitroarenes. <i>Journal of Catalysis</i> , 2020 , 385, 224-237	7.3	11
986	Triplet photosensitizer-nanotube conjugates: synthesis, characterization and photochemistry of charge stabilizing, palladium porphyrin/carbon nanotube conjugates. <i>Nanoscale</i> , 2020 , 12, 9890-9898	7.7	3
985	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	3.3	1
984	Characterization of none and yttrium-modified Ni-based catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119335	21.8	19
983	Cobalt SiO ₂ core-shell catalysts for chemoselective hydrogenation of cinnamaldehyde. <i>Catalysis Today</i> , 2020 , 356, 330-338	5.3	1
982	Titanium carbonitride/graphene composites assembled with organic linkers as electrocatalytic supports for methanol oxidation reaction. <i>Catalysis Today</i> , 2020 , 356, 101-109	5.3	3
981	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	5.5	3
980	The promoter effect of Co on the catalytic activity of the Cu oxide active phase supported on Al ₂ O ₃ in the hydrogenolysis of glycerol. <i>New Journal of Chemistry</i> , 2019 , 43, 15636-15645	3.6	3
979	Occurrence of excited state charge separation in a N-doped graphene/berylendiimide hybrid formed via click chemistry. <i>Nanoscale Advances</i> , 2019 , 1, 4009-4015	5.1	3
978	Effect of Re content and support in the liquid phase conversion of furfural to furfuryl alcohol and 2-methyl furan over ReO _x catalysts. <i>Fuel</i> , 2019 , 242, 532-544	7.1	21
977	CdS Photocatalysts Modified with Ag: Effect of the Solvothermal Temperature on the Structure and Photoactivity for Hydrogen Production. <i>Catalysts</i> , 2019 , 9, 110	4	10
976	Lanthanum oxide behavior in La ₂ O ₃ -Al ₂ O ₃ and La ₂ O ₃ -ZrO ₂ catalysts with application in FAME production. <i>Fuel</i> , 2019 , 253, 400-408	7.1	21
975	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	3.3	20

974	Na-doped ruthenium perovskite electrocatalysts with improved oxygen evolution activity and durability in acidic media. <i>Nature Communications</i> , 2019 , 10, 2041	17.4	109
973	Effect of particle size on the photocatalytic activity of modified rutile sand (TiO ₂) for the discoloration of methylene blue in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 378, 136-141	4.7	17
972	Synergetic effect in Ru _x Mo _(1-x) S ₂ /SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 143-153	21.8	6
971	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	5	40
970	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	2.3	8
969	Trimetallic Ru _x MoNi Catalysts Supported on SBA-15 for the Hydrodesulfurization of Dibenzothiophene. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	1
968	Cycloaddition of Nitrile Oxides to Graphene: a Theoretical and Experimental Approach. <i>Chemistry - A European Journal</i> , 2019 , 25, 14644-14650	4.8	7
967	Modulating charge carrier density and mobility in doped graphene by covalent functionalization. <i>Chemical Communications</i> , 2019 , 55, 9999-10002	5.8	4
966	Bidirectional charge-transfer behavior in carbon-based hybrid nanomaterials. <i>Nanoscale</i> , 2019 , 11, 14978-14992	7.7	21
965	Advances in membranes and membrane reactors for the Fischer-Tropsch synthesis process for biofuel production. <i>Reviews in Chemical Engineering</i> , 2019 ,	5	7
964	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	10.4	8
963	Selective hydrodeoxygenation of biomass derived 5-hydroxymethylfurfural over silica supported iridium catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 270-283	21.8	34
962	Influence of calcination on metallic dispersion and support interactions for NiRu/TiO ₂ catalyst in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2019 , 329, 149-155	5.3	14
961	Catalytic gasification of pine-sawdust: Effect of primary and secondary catalysts. <i>Journal of the Energy Institute</i> , 2019 , 92, 1727-1735	5.7	4
960	Hydrogen-bond supramolecular hydrogels as efficient precursors in the preparation of freestanding 3D carbonaceous architectures containing BCNO nanocrystals and exhibiting a high CO ₂ /CH ₄ adsorption ratio. <i>Carbon</i> , 2018 , 134, 470-479	10.4	12
959	Steam reforming of tar model compounds over Ni/Mayenite catalysts: effect of Ce addition. <i>Fuel</i> , 2018 , 224, 676-686	7.1	52
958	Edge-on and face-on functionalized Pc on enriched semiconducting SWCNT hybrids. <i>Nanoscale</i> , 2018 , 10, 5205-5213	7.7	15
957	Hydrogen production by methane decomposition: A comparative study of supported and bulk ex-hydrotaalcite mixed oxide catalysts with Ni, Mg and Al. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9607-9621	6.7	23

956	Hydrogen storage in liquid hydrocarbons: Effect of platinum addition to partially reduced Mo-SiO ₂ catalysts. <i>Materials Chemistry and Physics</i> , 2018 , 209, 188-199	4.4	10
955	Stable reduced Ni catalysts for xylose hydrogenation in aqueous medium. <i>Catalysis Today</i> , 2018 , 310, 59-67	5.3	15
954	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	7	8
953	Regioselectivity of the Pauson-Khand reaction in single-walled carbon nanotubes. <i>Nanoscale</i> , 2018 , 10, 15078-15089	7.7	6
952	Microwave-Assisted Coprecipitation Synthesis of LaCoO ₃ Nanoparticles and Their Catalytic Activity for Syngas Production by Partial Oxidation of Methane. <i>Frontiers in Energy Research</i> , 2018 , 6,	3.8	6
951	Hydrodeoxygenation of phenol on bifunctional Ni-based catalysts: Effects of Mo promotion and support. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 147-160	21.8	47
950	Improving the production of maleic acid from biomass: TS-1 catalysed aqueous phase oxidation of furfural in the presence of γ -valerolactone. <i>Green Chemistry</i> , 2018 , 20, 2845-2856	10	46
949	N-Doped graphene/C covalent hybrid as a new material for energy harvesting applications. <i>Chemical Science</i> , 2018 , 9, 8221-8227	9.4	7
948	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	5.1	25
947	Structure and surface properties of ceria-modified Ni-based catalysts for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 340-353	21.8	64
946	Exploring the effects of ZVI addition on resource recovery in the anaerobic digestion process. <i>Chemical Engineering Journal</i> , 2018 , 335, 703-711	14.7	38
945	Characterizations and HDS performances of sulfided NiMoW catalysts supported on mesoporous titania-modified SBA-15. <i>Catalysis Today</i> , 2018 , 305, 152-161	5.3	14
944	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al ₂ O ₃ /TiO ₂ catalysts. <i>Fuel</i> , 2018 , 233, 644-657	7.1	20
943	Effect of phosphorus on the activity of Cu/SiO ₂ catalysts in the hydrogenolysis of glycerol. <i>Catalysis Today</i> , 2017 , 279, 217-223	5.3	12
942	Catalytic hydrodeoxygenation of anisole over Re-MoO _x /TiO ₂ and Re-VO _x /TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 208, 60-74	21.8	53
941	High-k gadolinium scandate on Si obtained by high pressure sputtering from metal targets and in-situ plasma oxidation. <i>Semiconductor Science and Technology</i> , 2017 , 32, 035016	1.8	5
940	Support effect and metals interactions for NiRu/Al ₂ O ₃ , TiO ₂ and ZrO ₂ catalysts in the hydrodeoxygenation of phenol. <i>Catalysis Today</i> , 2017 , 296, 219-227	5.3	43
939	Effect of the Acidity of the Groups of Functionalized Silicas on the Direct Synthesis of H ₂ O ₂ . <i>Topics in Catalysis</i> , 2017 , 60, 1151-1155	2.3	7

938	Deactivation of CuZn Catalysts Used in Glycerol Hydrogenolysis to Obtain 1,2-Propanediol. <i>Topics in Catalysis</i> , 2017 , 60, 1062-1071	2.3	15
937	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	3.3	9
936	Charge stabilizing tris(triphenylamine)-zinc porphyrin-carbon nanotube hybrids: synthesis, characterization and excited state charge transfer studies. <i>Nanoscale</i> , 2017 , 9, 7551-7558	7.7	28
935	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	5.1	23
934	Influence of the Reduction of Graphene Oxide with Hydroiodic Acid on the Structure and Photoactivity of CdS/GO Hybrids. <i>Topics in Catalysis</i> , 2017 , 60, 1183-1195	2.3	8
933	Gas phase oxidation of furfural to maleic anhydride on V ₂ O ₅ /Al ₂ O ₃ catalysts: Reaction conditions to slow down the deactivation. <i>Journal of Catalysis</i> , 2017 , 348, 265-275	7.3	39
932	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	6.7	21
931	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	5.3	20
930	The effect of cellulose loading on the photoactivity of cellulose-TiO ₂ hybrids for hydrogen production under simulated sunlight. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 28747-28754	6.7	18
929	H ₂ O activity of carbon-supported Rh, Ni and Mo-Ni catalysts. <i>Molecular Catalysis</i> , 2017 , 441, 209-220	3.3	34
928	Conversion of guaiacol over different Re active phases supported on CeO ₂ -Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2017 , 547, 256-264	5.1	14
927	Sulfated CexZr1-xO ₂ oxides. Surface properties and performance for methane oxidation under fuel-rich conditions. <i>Materials Chemistry and Physics</i> , 2017 , 200, 223-232	4.4	2
926	Optimization of nickel loading of mixed oxide catalyst ex-hydrotalcite for H ₂ production by methane decomposition. <i>Applied Catalysis A: General</i> , 2017 , 548, 71-82	5.1	25
925	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	7	5
924	Structure and Reactivity of sol-gel V/SiO ₂ Catalysts for the Direct Conversion of Methane to Formaldehyde. <i>Topics in Catalysis</i> , 2017 , 60, 1129-1139	2.3	7
923	Structural effects of LaNiO ₃ as electrocatalyst for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 363-371	21.8	46
922	Influence of the solvent on the structure, morphology and performance for H ₂ evolution of CdS photocatalysts prepared by solvothermal method. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 753-767	21.8	112
921	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	7.1	29

920	Oxidation of furfural in aqueous H ₂ O ₂ catalysed by titanium silicalite: Deactivation processes and role of extraframework Ti oxides. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 269-280	21.8	63
919	Deep Hydrodesulfurization of Dibenzothiophenes Over NiW Sulfide Catalysts Supported on Sol-Gel Titania/Alumina. <i>Topics in Catalysis</i> , 2016 , 59, 241-251	2.3	12
918	Enhanced methylcyclohexane dehydrogenation to toluene over Ir/USY catalyst. <i>Catalysis Today</i> , 2016 , 259, 119-129	5.3	29
917	Improved stability of Ni/Al ₂ O ₃ catalysts by effect of promoters (La ₂ O ₃ , CeO ₂) for ethanol steam-reforming reaction. <i>Catalysis Today</i> , 2016 , 259, 27-38	5.3	89
916	Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 569-579	21.8	47
915	Effect of Cu addition as a promoter on Re/SiO ₂ catalysts in the hydrodeoxygenation of 2-methoxyphenol as a model bio oil compound. <i>Fuel</i> , 2016 , 186, 112-121	7.1	27
914	Direct synthesis of hydrogen peroxide with no ionic halides in solution. <i>RSC Advances</i> , 2016 , 6, 99291-99296	3.9	9
913	Effect of Re addition on the WGS activity and stability of Pt/CeO ₂ /TiO ₂ catalyst for membrane reactor applications. <i>Catalysis Today</i> , 2016 , 268, 95-102	5.3	20
912	Ultrafast electron transfer in all-carbon-based SWCNT-C60 donor-acceptor nanoensembles connected by poly(phenylene-ethynylene) spacers. <i>Nanoscale</i> , 2016 , 8, 14716-24	7.7	15
911	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	6.7	17
910	Effect of A-site deficiency in LaMn _{0.9} Co _{0.1} O ₃ perovskites on their catalytic performance for soot combustion. <i>Materials Research Bulletin</i> , 2016 , 81, 134-141	5.1	22
909	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	6.7	31
908	Synthesis of palladium nanoparticles on carbon nanotubes and graphene for the chemoselective hydrogenation of para-chloronitrobenzene. <i>Catalysis Communications</i> , 2016 , 75, 55-59	3.2	21
907	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	21.8	26
906	The effect of Cu loading on Ni/carbon nanotubes catalysts for hydrodeoxygenation of guaiacol. <i>RSC Advances</i> , 2016 , 6, 26658-26667	3.7	38
905	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	7.3	15
904	Catalytic membrane reactor for the production of biofuels. <i>Catalysis Today</i> , 2016 , 268, 37-45	5.3	13
903	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	5.1	19

902	Effect of Ni Loading on Lanthanide (La and Ce) Promoted γ -Al ₂ O ₃ Catalysts Applied to Ethanol Steam Reforming. <i>Catalysis Letters</i> , 2016 , 146, 433-441	2.8	16
901	Hydrodeoxygenation of guaiacol over Ni/carbon catalysts: effect of the support and Ni loading. <i>RSC Advances</i> , 2016 , 6, 2611-2623	3.7	76
900	Synthesis, characterization and photoinduced charge separation of carbon nanohorn-oligothienylenevinylene hybrids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1828-37	3.6	7
899	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		16
898	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	2.3	5
897	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	4.8	17
896	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	2.3	11
895	Perovskite as nickel catalyst precursor Impact on catalyst stability on xylose aqueous-phase hydrogenation. <i>RSC Advances</i> , 2016 , 6, 67817-67826	3.7	15
894	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	21.8	14
893	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	6.7	35
892	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	5.5	7
891	Dehydrogenation of methylcyclohexane to toluene over partially reduced silica-supported Pt-Mo catalysts. <i>Journal of Molecular Catalysis A</i> , 2016 , 420, 96-106		51
890	Tailoring the textural properties of hierarchical porous carbons using deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9146-9159	13	32
889	Modulation of the exfoliated graphene work function through cycloaddition of nitrile imines. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29582-29590	3.6	13
888	K ₂ O supported on sol-gel CeO ₂ -Al ₂ O ₃ and La ₂ O ₃ -Al ₂ O ₃ catalysts for the transesterification reaction of canola oil. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 503-510		14
887	Phenol hydrodeoxygenation: effect of support and Re promoter on the reactivity of Co catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 7289-7306	5.5	40
886	Effect of Ir and Pt Addition on the HDO Performance of RuS ₂ /SBA-15 Sulfide Catalysts. <i>Topics in Catalysis</i> , 2015 , 58, 247-257	2.3	7
885	Dehydrogenation of methylcyclohexane to toluene over partially reduced MoBiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2015 , 502, 329-339	5.1	40

884	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga ₂ O ₃ nanoparticles. <i>Fuel</i> , 2015 , 158, 405-415	7.1	10
883	Rh/Al ₂ O ₃ /Al ₂ O ₃ catalysts promoted with CeO ₂ for ethanol steam reforming reaction. <i>Journal of Molecular Catalysis A</i> , 2015 , 407, 169-181		37
882	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. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 24-9	11.8	40
881	Ruthenium Effect on Formation Mechanism and Structural Characteristics of LaCo _{1-x} Ru _x O ₃ Perovskites and Its Influence on Catalytic Performance for Hydrocarbon Oxidative Reforming. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16708-16723	3.8	6
880	Effect of high-temperature pre-reduction in Fischer-Tropsch synthesis on Fe/ZrO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2015 , 499, 109-117	5.1	26
879	Syngas Conversion to Hydrocarbons on Zirconia-Supported Iron Catalysts. <i>Catalysis Letters</i> , 2015 , 145, 1126-1137	2.8	5
878	Catalytic Epoxidation of Cyclohexene with Tert-butylhydroperoxide Using an Immobilized Molybdenum Catalyst. <i>Topics in Catalysis</i> , 2015 , 58, 325-333	2.3	12
877	A new non-cinchona chiral modifier immobilized on Pt/SiO ₂ catalysts for enantioselective heterogeneous hydrogenation. <i>Applied Catalysis A: General</i> , 2015 , 498, 76-87	5.1	5
876	Influence of Ni environment on the reactivity of NiMgAl catalysts for the acetone steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 5289-5296	6.7	25
875	Covalent decoration onto the outer walls of double walled carbon nanotubes with perylenediimides. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4960-4969	7.1	15
874	A simple approach to synthesize g-C ₃ N ₄ with high visible light photoactivity for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 7273-7281	6.7	42
873	Low-temperature water-gas shift on Pt/Ce _{0.8} La _{0.2} O ₂ /CNT: The effect of Ce _{0.8} La _{0.2} O ₂ /CNT ratio. <i>Applied Catalysis A: General</i> , 2015 , 504, 585-598	5.1	12
872	Covalent functionalization of N-doped graphene by N-alkylation. <i>Chemical Communications</i> , 2015 , 51, 16916-9	5.8	19
871	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	2.2	7
870	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	7.1	15
869	Structure and Activity of Pt-Ni Catalysts Supported on Modified Al ₂ O ₃ for Ethanol Steam Reforming. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6592-603	1.3	4
868	H ₂ oxidation versus organic substrate oxidation in non-heme iron mediated reactions with H ₂ O ₂ . <i>Chemical Communications</i> , 2015 , 51, 14992-5	5.8	4
867	Effects of pH and chelating agent on the NiWS phase formation in NiW/Al ₂ O ₃ HDS catalysts. <i>Materials Chemistry and Physics</i> , 2015 , 166, 105-115	4.4	29

866	Improved ethanol steam reforming on Rh/Al ₂ O ₃ catalysts doped with CeO ₂ or/and La ₂ O ₃ : Influence in reaction pathways including coke formation. <i>Applied Catalysis A: General</i> , 2015 , 505, 159-172 ^{5.1}	43
865	Immobilised chiral inducer on Pt-based mesoporous titanate nanotubes as heterogeneous catalysts for enantioselective hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2015 , 398, 190-202	8
864	Hydrogen-reduced Cu/ZnO composite as efficient reusable catalyst for diesel particulate matter oxidation. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 555-565	21.8 18
863	Hydrodeoxygenation of 2-methoxyphenol over different Re active phases supported on SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2015 , 490, 71-79	5.1 67
862	Ni ₂ C electrodes prepared by electroless-plating deposition. A study of their electrocatalytic activity for the hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 51-61	6.7 62
861	Ni- and PtNi-catalysts supported on Al ₂ O ₃ for acetone steam reforming: Effect of the modification of support with Ce, La and Mg. <i>Catalysis Today</i> , 2015 , 242, 60-70	5.3 48
860	Hydrogenation of nitro-compounds over rhodium catalysts supported on poly[acrylic acid]/Al ₂ O ₃ composites. <i>Applied Catalysis A: General</i> , 2015 , 489, 280-291	5.1 19
859	TiO ₂ -supported heteropoly acid catalysts for dehydration of methanol to dimethyl ether: relevance of dispersion and support interaction. <i>Catalysis Science and Technology</i> , 2015 , 5, 484-491	5.5 60
858	Effect of Mn loading onto MnFeO nanocomposites for the CO ₂ hydrogenation reaction. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 651-660	21.8 78
857	On the relationship between N content, textural properties and catalytic performance for the oxygen reduction reaction of N/CNT. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 420-429	21.8 41
856	Thio-oxynitride phosphate glass electrolytes prepared by mechanical milling. <i>Journal of Materials Research</i> , 2015 , 30, 2940-2948	2.5 4
855	In situ electrochemical study of the interaction of cells with thermally treated titanium. <i>Biointerphases</i> , 2015 , 10, 021006	1.8 2
854	Introduction to hydrogen production 2015 , 21-61	7
853	In-situ study of the promotional effect of chlorine on the Fischer-Tropsch synthesis with Ru/Al ₂ O ₃ . <i>Journal of Catalysis</i> , 2015 , 332, 177-186	7.3 16
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