

# Rufino M Navarro

## List of Publications by Citations

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118  
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43  
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85  
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126  
ext. papers

8,251  
ext. citations

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avg, IF

5.95  
L-index

#	Paper	IF	Citations
118	Hydrogen production reactions from carbon feedstocks: fossil fuels and biomass. <i>Chemical Reviews</i> , <b>2007</b> , 107, 3952-91	68.1	922
117	Water splitting on semiconductor catalysts under visible-light irradiation. <i>ChemSusChem</i> , <b>2009</b> , 2, 471-858.3		444
116	Ethanol steam reforming over Ni/MxOyNi/MxOy/Al <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> (M=Ce, La, Zr and Mg) catalysts: Influence of support on the hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 1462-1471	6.7	359
115	Hydrogen production from renewable sources: biomass and photocatalytic opportunities. <i>Energy and Environmental Science</i> , <b>2009</b> , 2, 35-54	35.4	321
114	Production of hydrogen from methanol over Cu/ZnO catalysts promoted by ZrO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Catalysis</i> , <b>2003</b> , 219, 389-403	7.3	315
113	Direct methane conversion routes to chemicals and fuels. <i>Catalysis Today</i> , <b>2011</b> , 171, 15-23	5.3	224
112	Hydrogen Production from Glycerol Over Nickel Catalysts Supported on Al <sub>2</sub> O <sub>3</sub> Modified by Mg, Zr, Ce or La. <i>Topics in Catalysis</i> , <b>2008</b> , 49, 46-58	2.3	206
111	Hydrogenation of Aromatics on Sulfur-Resistant PtPd Bimetallic Catalysts. <i>Journal of Catalysis</i> , <b>2000</b> , 189, 184-194	7.3	185
110	Glycerol steam reforming over Ni catalysts supported on ceria and ceria-promoted alumina. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 11622-11633	6.7	172
109	A framework for visible-light water splitting. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 1865	35.4	168
108	Ethanol steam reforming over Ni/La/Al <sub>2</sub> O <sub>3</sub> catalysts: Influence of lanthanum loading. <i>Catalysis Today</i> , <b>2007</b> , 129, 336-345	5.3	155
107	Oxidative Methanol Reforming Reactions on CuZnAl Catalysts Derived from Hydrotalcite-like Precursors. <i>Journal of Catalysis</i> , <b>2001</b> , 198, 338-347	7.3	141
106	Photocatalytic hydrogen evolution from CdS/nTiO <sub>2</sub> systems under visible light irradiation: Effect of thermal treatment and presence of Pt and Ru cocatalysts. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 4265-4273	6.7	125
105	Hydrogenation of aromatics over supported Pt-Pd catalysts. <i>Applied Catalysis A: General</i> , <b>2002</b> , 225, 223-237	3.7	120
104	Comparative study of hydrotalcite-derived supported Pd <sub>2</sub> Ga and PdZn intermetallic nanoparticles as methanol synthesis and methanol steam reforming catalysts. <i>Journal of Catalysis</i> , <b>2012</b> , 293, 27-38	7.3	117
103	Influence of La <sub>2</sub> O <sub>3</sub> modified support and Ni and Pt active phases on glycerol steam reforming to produce hydrogen. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1275-1278	3.2	115
102	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> , <b>2017</b> , 203, 753-767	21.8	112

101	A comparative study of the water gas shift reaction over platinum catalysts supported on CeO <sub>2</sub> , TiO <sub>2</sub> and Ce-modified TiO <sub>2</sub> . <i>Catalysis Today</i> , <b>2010</b> , 149, 372-379	5.3	112
100	Production of hydrogen by oxidative reforming of ethanol over Pt catalysts supported on Al <sub>2</sub> O <sub>3</sub> modified with Ce and La. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 55, 229-241	21.8	110
99	Hydrogen production by oxidative reforming of hexadecane over Ni and Pt catalysts supported on Ce/La-doped Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis A: General</i> , <b>2006</b> , 297, 60-72	5.1	102
98	Influence of Zn concentration in the activity of Cd <sub>1-x</sub> Zn <sub>x</sub> S solid solutions for water splitting under visible light. <i>Catalysis Today</i> , <b>2009</b> , 143, 51-56	5.3	98
97	Mechanistic aspects of the ethanol steam reforming reaction for hydrogen production on Pt, Ni, and PtNi catalysts supported on gamma-Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 3873-82	2.8	94
96	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> , <b>2016</b> , 259, 27-38	5.3	89
95	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. <i>Carbon</i> , <b>2006</b> , 44, 84-98	10.4	88
94	Effects of Reaction Temperature and Support Composition on the Mechanism of Water-Gas Shift Reaction over Supported-Pt Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 11595-11610	3.8	82
93	Performance of La,Ce-modified alumina-supported Pt and Ni catalysts for the oxidative reforming of diesel hydrocarbons. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 652-663	6.7	82
92	Oxidative reforming of diesel fuel over LaCoO <sub>3</sub> perovskite derived catalysts: Influence of perovskite synthesis method on catalyst properties and performance. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 105, 276-288	21.8	81
91	Hydrogen production by oxidative ethanol reforming on Co, Ni and Cu ex-hydroxalcalite catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 1512-1523	6.7	76
90	Effect of Ru on LaCoO <sub>3</sub> perovskite-derived catalyst properties tested in oxidative reforming of diesel. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 73, 247-258	21.8	72
89	Methanol Synthesis from CO: A Review of the Latest Developments in Heterogeneous Catalysis. <i>Materials</i> , <b>2019</b> , 12,	3.5	68
88	Photocatalytic Water Splitting Under Visible Light. <i>Advances in Chemical Engineering</i> , <b>2009</b> , 36, 111-143	0.6	64
87	Nature of the Mixed-Oxide Interface in Ceria-Titania Catalysts: Clusters, Chains, and Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 14463-14471	3.8	62
86	Exploring the Structural and Electronic Properties of Pt/Ceria-Modified TiO <sub>2</sub> and Its Photocatalytic Activity for Water Splitting under Visible Light. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14062-14070	3.8	61
85	Effect of ZrO <sub>2</sub> addition on Ni/Al <sub>2</sub> O <sub>3</sub> catalyst to produce H <sub>2</sub> from glycerol. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 7084-7093	6.7	53
84	Steam reforming of tar model compounds over Ni/Mayenite catalysts: effect of Ce addition. <i>Fuel</i> , <b>2018</b> , 224, 676-686	7.1	52

83	Ni- and PtNi-catalysts supported on Al <sub>2</sub> O <sub>3</sub> for acetone steam reforming: Effect of the modification of support with Ce, La and Mg. <i>Catalysis Today</i> , <b>2015</b> , 242, 60-70	5.3	48
82	Competitive effects of nitrogen and sulfur content on activity of hydrotreating CoMo/Al <sub>2</sub> O <sub>3</sub> catalysts: a batch reactor study. <i>Catalysis Today</i> , <b>2004</b> , 98, 67-74	5.3	46
81	Simultaneous 1-pentene hydroisomerisation and thiophene hydrodesulphurisation over sulphided Ni/FAU and Ni/ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , <b>2004</b> , 262, 155-166	5.1	46
80	Photocatalytic Hydrogen Production on Cd <sub>1-x</sub> Zn <sub>x</sub> S Solid Solutions under Visible Light: Influence of Thermal Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 6854-6861	3.9	45
79	Improved ethanol steam reforming on Rh/Al <sub>2</sub> O <sub>3</sub> catalysts doped with CeO <sub>2</sub> or/and La <sub>2</sub> O <sub>3</sub> : Influence in reaction pathways including coke formation. <i>Applied Catalysis A: General</i> , <b>2015</b> , 505, 159-172 <sup>5.1</sup>		43
78	Catalysts for Hydrogen Production from Heavy Hydrocarbons. <i>ChemCatChem</i> , <b>2011</b> , 3, 440-457	5.2	43
77	Hydrogen production for fuel cell by oxidative reforming of diesel surrogate: Influence of ceria and/or lanthana over the activity of Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Fuel</i> , <b>2008</b> , 87, 2502-2511	7.1	43
76	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> , <b>2015</b> , 40, 7273-7281	6.7	42
75	Deep aromatics hydrogenation in the presence of DBT over AuPd/Alumina catalysts. <i>Applied Catalysis A: General</i> , <b>2004</b> , 275, 127-139	5.1	42
74	Deep hydrodesulfurization of DBT and diesel fuel on supported Pt and Ir catalysts. <i>Applied Catalysis A: General</i> , <b>1996</b> , 137, 269-286	5.1	42
73	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> , <b>2019</b> , 7, 104	5	40
72	Hydrogen production by autothermal reforming of methane over NiPd catalysts: Effect of support composition and preparation mode. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 20992-21006	6.7	40
71	Performance enhancement in the water-gas shift reaction of platinum deposited over a cerium-modified TiO <sub>2</sub> support. <i>Catalysis Communications</i> , <b>2008</b> , 9, 1759-1765	3.2	40
70	Dibenzothiophene hydrodesulfurization on silica-alumina-supported transition metal sulfide catalysts. <i>Applied Catalysis A: General</i> , <b>1996</b> , 148, 23-40	5.1	39
69	Photocatalytic activity of mont-La (6%)-Cu <sub>0.6</sub> Cd <sub>0.4</sub> S catalyst for phenol degradation under near UV visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 211, 114-125	21.8	37
68	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. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 407, 169-181		37
67	Production of Hydrogen by Partial Oxidation of Methanol over a Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> Catalyst: Influence of the Initial State of the Catalyst on the Start-Up Behaviour of the Reformer. <i>Journal of Catalysis</i> , <b>2002</b> , 212, 112-118	7.3	37
66	Hydrogen production by autothermal reforming of methane: Effect of promoters (Pt, Pd, Re, Mo, Sn) on the performance of Ni/La <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis A: General</i> , <b>2014</b> , 481, 104-115	5.1	36

65	Dibenzothiophene hydrodesulfurization on HY-zeolite-supported transition metal sulfide catalysts. <i>Fuel Processing Technology</i> , <b>1999</b> , 61, 73-88	7.2	35
64	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> , <b>2016</b> , 41, 11558-11567	6.7	31
63	Cd <sub>1-x</sub> Zn <sub>x</sub> S solid solutions supported on ordered mesoporous silica (SBA-15): Structural features and photocatalytic activity under visible light. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 9948-9958	6.7	31
62	Diesel fuel processor for hydrogen production for 5 kW fuel cell application. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 1429-1436	6.7	31
61	Silica/alumina-supported transition metal sulphide catalysts for deep hydrodesulphurization. <i>Catalysis Today</i> , <b>2003</b> , 86, 73-85	5.3	31
60	In situ characterization of Pt catalysts supported on ceria modified TiO <sub>2</sub> for the WGS reaction: influence of ceria loading. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2192-202	3.6	30
59	Biohydrogen production by gas phase reforming of glycerine and ethanol mixtures. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 2028-2036	6.7	30
58	Nanoscale control during synthesis of Me/La <sub>2</sub> O <sub>3</sub> , Me/Ce <sub>x</sub> Gd <sub>1-x</sub> O <sub>y</sub> and Me/Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>y</sub> (Me=Ni, Pt, Pd, Rh) catalysts for autothermal reforming of methane. <i>Catalysis Today</i> , <b>2013</b> , 210, 10-18	5.3	28
57	Insights on the role of Ru substitution in the properties of LaCoO <sub>3</sub> -based oxides as catalysts precursors for the oxidative reforming of diesel fuel. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 113-114, 271-280	21.8	28
56	Catalytic fast pyrolysis of biomass over Mg-Al mixed oxides derived from hydrotalcite-like precursors: Influence of Mg/Al ratio. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2018</b> , 134, 362-370	6	27
55	Hydrodesulfurization of dibenzothiophene and a SRGO on sulfide Ni(Co)Mo/Al <sub>2</sub> O <sub>3</sub> catalysts. Effect of Ru and Pd promotion. <i>Catalysis Today</i> , <b>2009</b> , 143, 108-114	5.3	27
54	Biogas as a source of renewable syngas production: advances and challenges. <i>Biofuels</i> , <b>2011</b> , 2, 325-343	2	27
53	Factors affecting Ni-sulfide formation in Y-type zeolites: a combined Fourier transform infrared and X-ray photoelectron spectroscopy study. <i>Microporous and Mesoporous Materials</i> , <b>2000</b> , 34, 181-194	5.3	26
52	Influence of Ni environment on the reactivity of Ni/Mg/Al catalysts for the acetone steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 5289-5296	6.7	25
51	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> , <b>2017</b> , 548, 71-82	5.1	25
50	Removal of PAH compounds from liquid fuels by Pd catalysts. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 3374-81	10.3	25
49	Highly active Cu/ZnO-Al catalyst for methanol synthesis: effect of aging on its structure and activity.. <i>RSC Advances</i> , <b>2018</b> , 8, 20619-20629	3.7	24
48	The effect of Pt characteristics on the photoactivity of Pt/TiO <sub>2</sub> for hydrogen production from ethanol. <i>Catalysis Today</i> , <b>2013</b> , 210, 33-38	5.3	24

47	Glycerol liquid phase conversion over monometallic and bimetallic catalysts: Effect of metal, support type and reaction temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 106, 83-83	21.8	24
46	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> , <b>2018</b> , 43, 9607-9621	6.7	23
45	Methane partial oxidation over a LaCr <sub>0.85</sub> Ru <sub>0.15</sub> O <sub>3</sub> catalyst: Characterization, activity tests and kinetic modeling. <i>Applied Catalysis A: General</i> , <b>2014</b> , 486, 239-249	5.1	23
44	Bimetallic MNi/Al <sub>2</sub> O <sub>3</sub> -La catalysts (M=Pt, Cu) for acetone steam reforming: Role of M on catalyst structure and activity. <i>Applied Catalysis A: General</i> , <b>2014</b> , 474, 168-177	5.1	23
43	Hydrogen production by reforming of diesel fuel over catalysts derived from LaCo <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> perovskites: Effect of the partial substitution of Co by Ru (x=0.01-0.1). <i>Journal of Power Sources</i> , <b>2011</b> , 196, 9087-9095	8.9	22
42	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> , <b>2017</b> , 42, 13691-13703	6.7	21
41	Diesel fuel reforming over catalysts derived from LaCo <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> perovskites with high Ru loading. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 7056-7066	6.7	21
40	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> , <b>2016</b> , 268, 95-102	5.3	20
39	Surface reactivity of LaCoO <sub>3</sub> and Ru/LaCoO <sub>3</sub> towards CO, CO <sub>2</sub> and C <sub>3</sub> H <sub>8</sub> : Effect of H <sub>2</sub> and O <sub>2</sub> pretreatments. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 102, 291-301	21.8	20
38	Zirconia-supported LaCoO <sub>3</sub> catalysts for hydrogen production by oxidative reforming of diesel: Optimization of preparation conditions. <i>Catalysis Today</i> , <b>2008</b> , 138, 135-140	5.3	20
37	Cd <sub>1-x</sub> Zn <sub>x</sub> S supported on SBA-16 as photocatalysts for water splitting under visible light: Influence of Zn concentration. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 11799-11810	6.7	19
36	Hydrogen production by autothermal reforming of methane over lanthanum chromites modified with Ru and Sr. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 19373-19381	6.7	17
35	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> , <b>2016</b> , 21, 401	4.8	17
34	Reforming of Diesel Fuel for Hydrogen Production over Catalysts Derived from LaCo <sub>1-x</sub> M <sub>x</sub> O <sub>3</sub> (M = Ru, Fe). <i>Topics in Catalysis</i> , <b>2009</b> , 52, 1995-2000	2.3	16
33	Role of the Ru and Support in Sulfided RuNiMo Catalysts in Simultaneous Hydrodearomatization (HDA), Hydrodesulfurization (HDS), and Hydrodenitrogenation (HDN) Reactions. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 1364-1372	4.1	15
32	Design of a diesel reformer coupled to a PEMFC. <i>Catalysis Today</i> , <b>2006</b> , 116, 324-333	5.3	15
31	Perovskites as Catalysts in the Reforming of Hydrocarbons: A Review. <i>Micro and Nanosystems</i> , <b>2012</b> , 4, 231-252	0.6	13
30	Direct Synthesis of Dimethyl Ether from CO <sub>2</sub> : Recent Advances in Bifunctional/Hybrid Catalytic Systems. <i>Catalysts</i> , <b>2021</b> , 11, 411	4	13

29	Effect of photodeposition conditions on Ni/CdS photocatalysts and its role in the photoactivity for H <sub>2</sub> production from ethanolic solutions. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 20536-20548	6.7	11
28	Role of Pt in the Activity and Stability of PtNi/CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts in Ethanol Steam Reforming for H <sub>2</sub> Production. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 1672-1685	2.3	11
27	Straightforward High-Pressure Synthesis and Characterization of Indium-Based Thiospinels: Photocatalytic Potential for Hydrogen Production. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 1558-1565	2.3	11
26	Production of hydrogen by partial oxidation of methanol over carbon-supported copper catalysts. <i>Topics in Catalysis</i> , <b>2004</b> , 30/31, 481-486	2.3	10
25	Structure and activity of Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. <i>Catalysis Today</i> , <b>2020</b> , 355, 870-881	5.3	10
24	Methyl-naphthalene hydrogenation on Pt/HYAl <sub>2</sub> O <sub>3</sub> catalysts. An approach to hydrogenation of polyaromatic hydrocarbon mixtures. <i>Fuel Processing Technology</i> , <b>2000</b> , 64, 117-133	7.2	9
23	Influence of the Reduction of Graphene Oxide with Hydroiodic Acid on the Structure and Photoactivity of CdS/GO Hybrids. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1183-1195	2.3	8
22	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> , <b>2018</b> , 9, 345-358	7	8
21	Controlling the impregnation of nickel on nanoporous aluminum oxide nanoliths as catalysts for partial oxidation of methane. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 458-467	14.7	8
20	Introduction to hydrogen production <b>2015</b> , 21-61		7
19	Hydrogen Production from Water Splitting Using Photo-Semiconductor Catalysts <b>2013</b> , 43-61		7
18	Glycerol conversion into H <sub>2</sub> by steam reforming over Ni and PtNi catalysts supported on MgO modified Al <sub>2</sub> O <sub>3</sub> . <i>Studies in Surface Science and Catalysis</i> , <b>2010</b> , 175, 449-452	1.8	7
17	Effect of the Partial Substitution of Fe by Ni on the Structure and Activity of Nanocrystalline Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> Ferrites for Hydrogen Production by Two-Step Water-Splitting. <i>Nanoscience and Nanotechnology Letters</i> , <b>2011</b> , 3, 705-716	0.8	7
16	Visible light production of hydrogen from glycerol over Cu <sub>2</sub> O-gC <sub>3</sub> N <sub>4</sub> nanocomposites with enhanced photocatalytic efficiency. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 15335-15345	5.5	7
15	Ruthenium Effect on Formation Mechanism and Structural Characteristics of LaCo <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> Perovskites and Its Influence on Catalytic Performance for Hydrocarbon Oxidative Reforming. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 16708-16723	3.8	6
14	CO Oxidation at 20 °C on Au Catalysts Supported on Mesoporous Silica: Effects of Support Structural Properties and Modifiers. <i>Materials</i> , <b>2018</b> , 11,	3.5	6
13	Nickel ferrite supported on calcium-stabilized zirconia for solar hydrogen production by two-step thermochemical water splitting. <i>Materials Today Energy</i> , <b>2017</b> , 6, 248-254	7	5
12	Design of Highly Efficient Catalyst for Rational Way of Direct Conversion of Methane. <i>Eurasian Chemico-Technological Journal</i> , <b>2015</b> , 17, 105	0.8	5

11	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> , <b>2015</b> , 15, 6592-603	1.3	4
10	Data on TGA of precursors and SEM of reduced Cu/ZnO catalysts co-modified with aluminium and gallium for methanol synthesis. <i>Data in Brief</i> , <b>2019</b> , 24, 104010	1.2	3
9	Renewable Syngas Production via Dry Reforming of Methane. <i>Green Energy and Technology</i> , <b>2013</b> , 45-66	0.6	3
8	Direct Synthesis of Dimethyl Ether from Syngas on Bifunctional Hybrid Catalysts Based on Supported H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> and Cu-ZnO(Al): Effect of Heteropolyacid Loading on Hybrid Structure and Catalytic Activity. <i>Catalysts</i> , <b>2020</b> , 10, 1071	4	3
7	Role of the Sulphur Source in the Solvothermal Synthesis of Ag-CdS Photocatalysts: Effects on the Structure and Photoactivity for Hydrogen Production. <i>Hydrogen</i> , <b>2020</b> , 1, 64-89	1.8	3
6	PtBiVO <sub>4</sub> /TiO <sub>2</sub> composites as Z-scheme photocatalysts for hydrogen production from ethanol: the effect of BiVO <sub>4</sub> and Pt on the photocatalytic efficiency. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4481-4495	3.6	2
5	Structural, Optical and Photocatalytic Characterization of Zn <sub>x</sub> Cd <sub>1-x</sub> S Solid Solutions Synthesized Using a Simple Ultrasonic Radiation Method. <i>Energies</i> , <b>2020</b> , 13, 5603	3.1	1
4	Hydrogen Production from Renewables <b>2011</b> ,		1
3	Factors influencing selectivity in the liquid-phase phenol hydrodeoxygenation over ZSM-5 supported Pt/Ir and Pt+Ir catalysts. <i>Molecular Catalysis</i> , <b>2020</b> , 482, 110669	3.3	1
2	Lower methane combustion temperature on palladium nanoparticles anchored on TiO <sub>x</sub> subnano-islets in stellate mesoporous silica nanospheres. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 906-919	3.6	0
1	Unravelling the Structural Modification (Meso-Nano-) of Cu/ZnO-Al <sub>2</sub> O <sub>3</sub> Catalysts for Methanol Synthesis by the Residual NaNO <sub>3</sub> in Hydroxycarbonate Precursors. <i>Catalysts</i> , <b>2020</b> , 10, 1346	4	0