

Mehran Rezaei

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.

219 papers	6,474 citations	46 h-index	65 g-index
227 ext. papers	7,646 ext. citations	5.8 avg, IF	6.77 L-index

#	Paper	IF	Citations
219	CeO ₂ -promoted BaO-MnO _x catalyst for lean methane catalytic combustion at low temperatures: Improved catalytic efficiency and light-off temperature. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 13004-13021	6.7	0
218	Effect of rare-earth promoters (Ce, La, Y and Zr) on the catalytic performance of NiO-MgO-SiO ₂ catalyst in propane dry reforming. <i>Molecular Catalysis</i> , 2022 , 522, 112235	3.3	1
217	Preparation and evaluation of A/ BaO-MnO _x catalysts (A: Rh, Pt, Pd, Ru) in lean methane catalytic combustion at low temperature. <i>International Journal of Energy Research</i> , 2022 , 46, 6292-6313	4.5	0
216	Syngas production through CO ₂ reforming of propane over highly active and stable mesoporous NiO-MgO-SiO ₂ catalysts: Effect of calcination temperature. <i>Fuel</i> , 2022 , 322, 124211	7.1	1
215	Propane dry reforming over highly active NiO-MgO solid solution catalyst for synthesis gas production. <i>Molecular Catalysis</i> , 2022 , 524, 112325	3.3	0
214	Promoted Ni-Co-Al ₂ O ₃ nanostructured catalysts for CO ₂ methanation. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 2399-2399	6.7	2
213	Isotherm and selectivity study of Ni(II) removal using natural and acid-activated nanobentonites. <i>Water Science and Technology</i> , 2021 , 84, 2394-2405	2.2	0
212	Preparation of highly active and stable nanostructured Ni-Cr ₂ O ₃ catalysts for hydrogen purification via CO ₂ methanation reaction. <i>Journal of the Energy Institute</i> , 2021 , 95, 132-142	5.7	6
211	Steam reforming for syngas production over Ni and Ni-promoted catalysts. <i>Research on Chemical Intermediates</i> , 2021 , 47, 3661-3672	2.8	1
210	Catalytic Methane Combustion on the Hydrothermally Synthesized MnO ₂ Nanowire Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7572-7587	3.9	8
209	Influence of preparation method on catalytic performance of three-dimensionally ordered macroporous NiO/CuO for CO oxidation. <i>Journal of Solid State Chemistry</i> , 2021 , 297, 122091	3.3	4
208	Preparation and improvement of the mesoporous nanostructured nickel catalysts supported on magnesium aluminate for syngas production by glycerol dry reforming. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 22454-22462	6.7	3
207	Mechanochemical synthesis method for the preparation of mesoporous Ni-Al ₂ O ₃ catalysts for hydrogen purification via CO ₂ methanation. <i>Journal of the Energy Institute</i> , 2021 , 96, 1-10	5.7	13
206	Influence of metal loading and reduction temperature on the performance of mesoporous NiO-MgO-SiO ₂ catalyst in propane steam reforming. <i>Journal of the Energy Institute</i> , 2021 , 96, 38-51	5.7	5
205	Preparation of the Mn/Co mixed oxide catalysts for low-temperature CO oxidation reaction. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 379-388	5.1	5
204	Enhanced low-temperature activity of CO ₂ methanation over ceria-promoted Ni-Al ₂ O ₃ nanocatalyst. <i>Chemical Engineering Science</i> , 2021 , 230, 116194	4.4	14
203	Effect of mesoporous nanocrystalline supports on the performance of the Ni/Cu catalysts in the high-temperature water-gas shift reaction. <i>Journal of the Energy Institute</i> , 2021 , 96, 75-89	5.7	6

202	Synthesis of Cr ₂ O ₃ /Al ₂ O ₃ powders with various Cr ₂ O ₃ /Al ₂ O ₃ molar ratios and their applications as support for the preparation of nickel catalysts in CO ₂ methanation reaction. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5311-5322	6.7	8
201	Barium promoted manganese oxide catalysts in low-temperature methane catalytic combustion. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5181-5196	6.7	13
200	Solid-state synthesis method for the preparation of cobalt doped Ni/Al ₂ O ₃ mesoporous catalysts for CO ₂ methanation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 3933-3944	6.7	15
199	Mechanochemical synthesis of ZnO/Al ₂ O ₃ powders with various Zn/Al molar ratios and their applications in reverse water-gas shift reaction. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 13790-13799	5.1	2
198	The Influence of Lanthanide on NiO-MgO-SiO ₂ Catalysts for Syngas Production via Propane Steam Reforming. <i>Molecular Catalysis</i> , 2021 , 499, 111281	3.3	1
197	Thermocatalytic decomposition of CH ₄ over Ni/SiO ₂ .MgO catalysts prepared via surfactant-assisted urea precipitation method. <i>Fuel</i> , 2021 , 284, 118866	7.1	6
196	One-pot hard template synthesis of mesoporous spinel nanoparticles as efficient catalysts for low temperature CO oxidation. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 547-563	5.1	0
195	Defect engineering of oxide perovskites for catalysis and energy storage: synthesis of chemistry and materials science. <i>Chemical Society Reviews</i> , 2021 , 50, 10116-10211	58.5	31
194	Preparation and evaluation of Ni/FeAl ₂ O ₃ catalysts promoted by alkaline earth metals in glycerol reforming with carbon dioxide. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 24991-25003	6.7	5
193	Influence of Fe, La, Zr, Ce, and Ca on the catalytic performance and coke formation in dry reforming of methane over Ni/MgO.Al ₂ O ₃ catalyst. <i>Chemical Engineering Science</i> , 2021 , 250, 116956	4.4	3
192	CO ₂ methanation over nanocrystalline Ni catalysts supported on mechanochemically synthesized Cr ₂ O ₃ -M (M=Fe, Co, La, and Mn) carriers. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 35571-35577	6.7	2
191	Catalytic performance of copper oxide supported MnO ₂ nanowires for the CO preferential oxidation in H ₂ -rich stream. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 32503-32513	6.7	5
190	Preparation of the Mn-Promoted NiO/Al ₂ O ₃ nanocatalysts for low temperature CO ₂ methanation. <i>Journal of the Energy Institute</i> , 2021 , 99, 48-58	5.7	6
189	Flash-photoreduction method to enhance hydrogen photogeneration on Pd@TiO ₂ . <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020 , 15, e2432	1.3	
188	3D ordered honeycomb-shaped CuO/Mn ₂ O ₃ : Highly active catalysts for CO oxidation. <i>Molecular Catalysis</i> , 2020 , 485, 110820	3.3	3
187	Toluene Oxidation over the M/Al (M = Ce, La, Co, CeO ₂ , and CeO ₃) Catalysts Derived from the Modified One-Pot Evaporation-Induced Self-Assembly Method: Effects of Microwave or Ultrasound Irradiation and Noble-Metal Loading on Catalytic Activity and Stability. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5624-5635	3.9	5
186	Effect of In ₂ O ₃ on the structural properties and catalytic performance of the CuO/ZnO/Al ₂ O ₃ catalyst in CO ₂ and CO hydrogenation to methanol. <i>Molecular Catalysis</i> , 2020 , 484, 110776	3.3	5
185	Preparation of mesoporous nanostructure NiO/MgO/SiO ₂ catalysts for syngas production via propane steam reforming. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 6604-6620	6.7	10

184	Surfactant-Free Sol-Gel Synthesis Method for the Preparation of Mesoporous High Surface Area NiO/Al ₂ O ₃ Nanopowder and Its Application in Catalytic CO ₂ Methanation. <i>Energy Technology</i> , 2020 , 8, 1900778	3.5	10
183	Preparation and improvement of nickel catalyst supported ordered mesoporous spherical silica for thermocatalytic decomposition of methane. <i>Journal of the Energy Institute</i> , 2020 , 93, 2488-2496	5.7	10
182	Propane steam reforming on mesoporous NiO/MgO/SiO ₂ catalysts for syngas production: Effect of the MgO/SiO ₂ molar ratio. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 24840-24858	6.7	3
181	Preparation of Ni/MeAl ₂ O ₄ -MgAl ₂ O ₄ (Me=Fe, Co, Ni, Cu, Zn, Mg) nanocatalysts for the syngas production via combined dry reforming and partial oxidation of methane. <i>Renewable Energy</i> , 2020 , 149, 1053-1067	8.1	17
180	Characterization and evaluation of mesoporous high surface area promoted Ni- Al ₂ O ₃ catalysts in CO ₂ methanation. <i>Journal of the Energy Institute</i> , 2020 , 93, 482-495	5.7	20
179	Influence of group IIA metals on the performance of the NiCu/CeO ₂ Al ₂ O ₃ catalysts in high-temperature water gas shift reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2694-2703	6.7	6
178	Preparation and characterization of Ni catalysts supported on pillared nanoporous bentonite powders for dry reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27429-27444	6.7	15
177	Electrochemical study of perlite-barium ferrite/conductive polymer nano composite for super capacitor applications. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28088-28095	6.7	13
176	Influence of group VIB metals on activity of the Ni/MgO catalysts for methane decomposition. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 515-525	21.8	49
175	Effect of Fe-Containing Supports Prepared by a Novel Sol-Gel Method in the CO Methanation Reaction: CO Elimination and Synthetic Natural Gas Production. <i>Energy Technology</i> , 2019 , 7, 1900410	3.5	4
174	Dry reforming over mesoporous nanocrystalline 5% Ni/M-MgAl ₂ O ₄ (M: CeO ₂ , ZrO ₂ , La ₂ O ₃) catalysts. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16516-16525	6.7	26
173	Preparation of nanozeolite-based RFCC catalysts and evaluation of their catalytic performance in RFCC process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 100, 37-46	5.3	1
172	Preparation and optimization of the MnCo ₂ O ₄ powders for low temperature CO oxidation using the Taguchi method of experimental design. <i>Research on Chemical Intermediates</i> , 2019 , 45, 4501-4515	2.8	7
171	Ultrasound-assisted hydrothermal method for the preparation of the M-FeO-CuO (M: Mn, Ag, Co) mixed oxides nanocatalysts for low-temperature CO oxidation. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 212-222	8.9	17
170	Mesoporous nanostructured Ni/MgAl ₂ O ₄ catalysts: Highly active and stable catalysts for syngas production in combined dry reforming and partial oxidation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 10427-10442	6.7	21
169	Mesoporous Ni/MeO (Me = Al, Mg, Ti, and Si): Highly efficient catalysts in the decomposition of methane for hydrogen production. <i>Applied Surface Science</i> , 2019 , 478, 581-593	6.7	27
168	Catalytic Oxidation of CO over Nanocrystalline La _{1-x} Ce _x NiO ₃ Perovskite-Type Oxides. <i>Chemical Engineering and Technology</i> , 2019 , 42, 2443-2449	2	5
167	Preparation of mesoporous nanocrystalline CuO/n-Al ₂ O ₃ catalysts for the H ₂ purification using catalytic preferential oxidation of CO (CO-PROX). <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27401-27411	6.7	8

166	Supported Mn catalysts and the role of different supports in the catalytic oxidation of carbon monoxide. <i>Chemical Engineering Science</i> , 2019 , 197, 37-51	4.4	23
165	Preparation of Ni-M (M: La, Co, Ce, and Fe) catalysts supported on mesoporous nanocrystalline γ - Al_2O_3 for CO_2 methanation. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 118-126	2.5	22
164	Ordered meso- and macroporous perovskite oxide catalysts for emerging applications. <i>Chemical Communications</i> , 2018 , 54, 6484-6502	5.8	75
163	Production of syngas via glycerol dry reforming on Ni catalysts supported on mesoporous nanocrystalline Al_2O_3 . <i>Journal of CO_2 Utilization</i> , 2018 , 24, 298-305	7.6	24
162	Preparation of pillared nanoporous bentonite and its application as catalyst support in dry reforming reaction. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018 , 13, e2188	1.3	9
161	Preparation and evaluation of mesoporous nickel and manganese bimetallic nanocatalysts in methane dry reforming process for syngas production. <i>Journal of Chemical Sciences</i> , 2018 , 130, 1	1.8	8
160	CeO_2 Promoted Ni-MgO- Al_2O_3 nanocatalysts for carbon dioxide reforming of methane. <i>Journal of CO_2 Utilization</i> , 2018 , 24, 128-138	7.6	46
159	Preparation of nanocrystalline Zr, La and Mg-promoted 10% Ni/Ce 0.95 Mn 0.05 O_2 catalysts for syngas production via dry reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 6532-6538	6.7	16
158	Synthesis and Application of Noble Metal Nanocatalysts Supported on MgAl_2O_4 in Glycerol Dry Reforming Reaction. <i>Catalysis Letters</i> , 2018 , 148, 164-172	2.8	18
157	Carbon dioxide methanation over Ni-M/ Al_2O_3 (M: Fe, Co, Zr, La and Cu) catalysts synthesized using the one-pot sol-gel synthesis method. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16522-16533	6.7	56
156	Highly Selective Reduction of Carbon Dioxide to Methane on Novel Mesoporous Rh Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24963-24968	9.5	30
155	Component ratio dependent Cu/Zn/Al structure sensitive catalyst in CO_2/CO hydrogenation to methanol. <i>Molecular Catalysis</i> , 2018 , 456, 38-48	3.3	15
154	Self-assembly of flower-like LaNiAlO_3 -supported nickel catalysts for CO methanation. <i>Catalysis Communications</i> , 2018 , 115, 40-44	3.2	4
153	Thermocatalytic decomposition of methane over mesoporous Ni/xMgO/ Al_2O_3 nanocatalysts. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15112-15123	6.7	20
152	Thermocatalytic conversion of methane to highly pure hydrogen over Ni/Cu/MgO/ Al_2O_3 catalysts: Influence of noble metals (Pt and Pd) on the catalytic activity and stability. <i>Energy Conversion and Management</i> , 2018 , 166, 268-280	10.6	39
151	Effects of alkali promoters on the textural and catalytic properties of mesoporous Fe/Cu catalysts for water gas shift reaction. <i>International Journal of Green Energy</i> , 2018 , 15, 28-36	3	
150	Preparation of high surface area Ni/Mg Al_2O_4 nanocatalysts for CO selective methanation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 772-780	6.7	18
149	Promotional effect of Mg in trimetallic nickel-manganese-magnesium nanocrystalline catalysts in CO_2 reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22347-22356	6.7	10

148	Synthesis of nanocrystalline mesoporous Ni/Al ₂ O ₃ SiO ₂ catalysts for CO ₂ methanation reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 19038-19046	6.7	39
147	The evaluation of autothermal methane reforming for hydrogen production over Ni/CeO ₂ catalysts. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22340-22346	6.7	25
146	Rational Design of High Surface Area Mesoporous Ni/CeO ₂ for Partial Oxidation of Propane. <i>Catalysts</i> , 2018 , 8, 388	4	5
145	Low temperature CO oxidation over mesoporous iron and copper mixed oxides nanopowders synthesized by a simple one-pot solid-state method. <i>Chemical Engineering Research and Design</i> , 2018 , 119, 379-388	5.5	13
144	Pd doped LaSrCuO ₄ perovskite nano-catalysts synthesized by a novel solid state method for CO oxidation and Methane combustion. <i>Ceramics International</i> , 2018 , 44, 21499-21506	5.1	18
143	Ultrasound assisted co-precipitation synthesis and catalytic performance of mesoporous nanocrystalline NiO-AlO powders. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 436-447	8.9	39
142	Methane dissociation to CO _x -free hydrogen and carbon nanofiber over Ni-Cu/Al ₂ O ₃ catalysts. <i>Fuel</i> , 2017 , 195, 88-96	7.1	46
141	Synthesis gas production over highly active and stable nanostructured NiMgOAl ₂ O ₃ catalysts in dry reforming of methane: Effects of Ni contents. <i>Fuel</i> , 2017 , 194, 171-179	7.1	66
140	Ni Catalysts Supported on Mesoporous Nanocrystalline Magnesium Silicate in Dry and Steam Reforming Reactions. <i>Chemical Engineering and Technology</i> , 2017 , 40, 760-768	2	11
139	Synthesis and characterization of nanocrystalline copperChromium catalyst and its application in the oxidation of carbon monoxide. <i>Chemical Engineering Research and Design</i> , 2017 , 107, 181-189	5.5	30
138	Low-temperature synthesis of mesoporous nanocrystalline magnesium aluminate (MgAl ₂ O ₄) spinel with high surface area using a novel modified sol-gel method. <i>Advanced Powder Technology</i> , 2017 , 28, 1249-1257	4.6	54
137	Ce promoting effect on the activity and coke formation of Ni catalysts supported on mesoporous nanocrystalline Al ₂ O ₃ in autothermal reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11130-11138	6.7	25
136	A novel route for electrosynthesis of CuCr(2)O(4) nanocomposite with p-type conductive polymer as a high performance material for electrochemical supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 401-406	9.3	38
135	Preparation of vanadium-based perovskite by the effective method of microemulsion on enhanced surface area and activity: Environmental applications. <i>Materials Chemistry and Physics</i> , 2017 , 196, 177-185	4.4	
134	Enhanced activity of CO ₂ methanation over mesoporous nanocrystalline NiAl ₂ O ₃ catalysts prepared by ultrasound-assisted co-precipitation method. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15115-15125	6.7	62
133	Thermocatalytic decomposition of methane over mesoporous nanocrystalline promoted Ni/MgOAl ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 16476-16488	6.7	47
132	Glycerol steam reforming over noble metal nanocatalysts. <i>Chemical Engineering Research and Design</i> , 2017 , 123, 360-366	5.5	25
131	The influence of Ni loading on the activity and coke formation of ultrasound-assisted co-precipitated NiAl ₂ O ₃ nanocatalyst in dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4155-4164	6.7	73

130	Preparation and characterization of ultrasound-assisted co-precipitated nanocrystalline La-, Ce-, Zr promoted Ni-Al ₂ O ₃ catalysts for dry reforming reaction. <i>Journal of CO₂ Utilization</i> , 2017 , 22, 124-134	7.6	41
129	Synthesis of nanocrystalline Ce _{0.95} Mn _{0.05} O ₂ solid solution powders as support for nickel catalyst in dry reforming reaction. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5493-5500	6.8	18
128	Effect of substitution by Ni in MgAl ₂ O ₄ spinel for biogas dry reforming. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 24159-24168	6.7	47
127	Surfactant-assisted hydrothermal synthesis of CuCr ₂ O ₄ spinel catalyst and its application in CO oxidation process. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4906-4916	6.8	39
126	Preparation of mesoporous nanocrystalline 10% Ni/Ce _{1-x} Mn _x O ₂ catalysts for dry reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 24776-24784	6.7	13
125	CO _x -free hydrogen and carbon nanofibers production by thermocatalytic decomposition of methane over mesoporous MgO/Al ₂ O ₃ nanopowder-supported nickel catalysts. <i>Fuel Processing Technology</i> , 2017 , 167, 250-262	7.2	28
124	A theoretical and experimental study of glycerol steam reforming over Rh/MgAl ₂ O ₄ catalysts. <i>Energy Conversion and Management</i> , 2017 , 154, 127-137	10.6	33
123	CO ₂ Methanation on Nickel Catalysts Supported on Mesoporous High-Surface-Area MgSiO ₃ . <i>Chemical Engineering and Technology</i> , 2017 , 40, 1861-1866	2	13
122	Synthesis Gas Production by Catalytic Partial Oxidation of Propane on Mesoporous Nanocrystalline Ni/Al ₂ O ₃ Catalysts. <i>Applied Catalysis A: General</i> , 2017 , 529, 1-9	5.1	21
121	Nickel catalyst supported on mesoporous MgAl ₂ O ₄ nanopowders synthesized via a homogenous precipitation method for dry reforming reaction. <i>Research on Chemical Intermediates</i> , 2017 , 43, 545-559	2.8	15
120	IONIC LIQUID ASSISTED ACETYLENE PARTIAL HYDROGENATION OVER SURFACE OF PALLADIUM NANOPARTICLES. <i>Surface Review and Letters</i> , 2016 , 23, 1650054	1.1	
119	Effects of alkaline earth promoters on the catalytic performance of the nickel catalysts supported on high surface area mesoporous magnesium silicate in dry reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22913-22921	6.7	24
118	Thermocatalytic decomposition of methane to CO _x -free hydrogen and carbon over Ni _{0.5} Fe _{0.5} Cu/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 13039-13049	6.7	44
117	A comparative study of experimental investigation and response surface optimization of steam reforming of glycerol over nickel nano-catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 10178-10192	6.7	11
116	Synthesis, Characterization and Application of Co/MgO Mixed Oxides in Oxidation of Carbon Monoxide. <i>Chemical Engineering Communications</i> , 2016 , 203, 200-209	2.2	12
115	CO _x -free hydrogen and carbon nanofibers production by methane decomposition over nickel-alumina catalysts. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 490-499	2.8	29
114	Facile synthesis of a mesoporous alumina and its application as a support of Ni-based autothermal reforming catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 3456-3464	6.7	55
113	Synthesis of nanostructured magnesium silicate with high surface area and mesoporous structure. <i>Ceramics International</i> , 2016 , 42, 6883-6890	5.1	17

112	Hydrogen and carbon nanofibers synthesis by methane decomposition over NiPd/Al ₂ O ₃ catalyst. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5494-5503	6.7	62
111	Methane decomposition over NiBe/Al ₂ O ₃ catalysts for production of CO _x -free hydrogen and carbon nanofiber. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1574-1584	6.7	94
110	Preparation of mesoporous nanocrystalline Ni-MgAl ₂ O ₄ catalysts by sol-gel combustion method and its applications in dry reforming reaction. <i>Advanced Powder Technology</i> , 2016 , 27, 1963-1970	4.6	32
109	Preparation of nanocrystalline Ni/Al ₂ O ₃ catalysts with the microemulsion method for dry reforming of methane. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1177-1183	2.3	14
108	Mesoporous MgO/Al ₂ O ₃ nanopowder-supported mesoporous nickel catalysts: a new path to high-performance biogas reforming for syngas. <i>RSC Advances</i> , 2016 , 6, 29576-29585	3.7	48
107	Preparation of highly active and stable nanostructured Ni/CeO ₂ catalysts for syngas production by partial oxidation of methane. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 6316-6325	6.7	32
106	Microemulsion synthesis method for preparation of mesoporous nanocrystalline Al ₂ O ₃ powders as catalyst carrier for nickel catalyst in dry reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 6353-6361	6.7	27
105	Preparation and characterization of mesoporous nanocrystalline La-, Ce-, Zr-, Sr-containing Ni/Al ₂ O ₃ methane autothermal reforming catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8855-8862	6.7	39
104	Ni catalysts supported on nano-crystalline aluminum oxide prepared by a microemulsion method for dry reforming reaction. <i>Research on Chemical Intermediates</i> , 2016 , 42, 6627-6642	2.8	4
103	Advanced studies of coupled conductive polymer/metal oxide nano wire composite as an efficient supercapacitor by common and fast fourier electrochemical methods. <i>Journal of Molecular Liquids</i> , 2016 , 220, 489-494	6	32
102	The effect of promoters on the CO ₂ reforming activity and coke formation of nanocrystalline Ni/Al ₂ O ₃ catalysts prepared by microemulsion method. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 3359-3366	2.8	13
101	Steam reforming of glycerol on mesoporous nanocrystalline Ni/Al ₂ O ₃ catalysts for H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 20137-20146	6.7	41
100	Biogas Reforming for Hydrogen Production: A New Path to High-Performance Nickel Catalysts Supported on Magnesium Aluminate Spinel. <i>ChemCatChem</i> , 2016 , 8, 3600-3610	5.2	25
99	Synthesis gas production by catalytic partial oxidation of methane, ethane and propane on mesoporous nanocrystalline Ni/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19057-19069	6.7	25
98	Preparation of high temperature water gas shift catalyst with coprecipitation method in microemulsion system. <i>Chemical Engineering Research and Design</i> , 2016 , 113, 9-16	5.5	14
97	The effect of preparation factors on the structural and catalytic properties of mesoporous nanocrystalline iron-based catalysts for high temperature water gas shift reaction. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 1278-1288	2.8	8
96	Synthesis of mesoporous magnesium aluminate (MgAl ₂ O ₄) nanopowder with high surface area with a novel and simple sol-gel method. <i>Journal of Porous Materials</i> , 2015 , 22, 481-485	2.4	13
95	Selective methanation of carbon monoxide in hydrogen rich stream over Ni/CeO ₂ nanocatalysts. <i>Journal of Rare Earths</i> , 2015 , 33, 619-628	3.7	39

94	Preparation of mesoporous nanocrystalline alkali promoted chromium free catalysts (Fe ₂ O ₃ Al ₂ O ₃ NiO) for a high temperature water gas shift reaction. <i>RSC Advances</i> , 2015 , 5, 9955-9964	3.7	19
93	High-temperature water-gas shift reaction over nanostructured Cr-free Fe ₂ O ₃ Al ₂ O ₃ CuOMO (M: Ba, Ca, Mg and Sr) catalysts for hydrogen production. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 353-358	6.3	19
92	Applying Taguchi robust design to the optimization of the synthesis parameters of nanocrystalline Cr-free Fe ₂ O ₃ Al ₂ O ₃ Cu catalyst for high temperature water gas shift reaction. <i>Materials Research Bulletin</i> , 2015 , 70, 229-235	5.1	8
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79	Comparison of Preparation Methods of Iron-Based Catalysts for High-Temperature Water-Gas Shift Reaction. <i>Chemical Engineering and Technology</i> , 2015 , 38, 1460-1468	2	3
78	Preparation of highly active and stable NiO/CeO ₂ nanocatalysts for CO selective methanation. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8539-8547	6.7	75
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