Ahmed Aidid Ibrahim

List of Publications by Year
in descending order

66 papers	1,549 citations	304602 22 h-index	377752 34 g-index
66 all docs	66 docs citations	66 times ranked	993 citing authors

#	Article	IF	Citations
1	In situ auto-gasification of coke deposits over a novel Ni-Ce/W-Zr catalyst by sequential generation of oxygen vacancies for remarkably stable syngas production via CO2-reforming of methane. Applied Catalysis B: Environmental, 2021, 280, 119445.	10.8	104
2	Catalytic performance of CeO2 and ZrO2 supported Co catalysts for hydrogen production via dry reforming of methane. International Journal of Hydrogen Energy, 2015, 40, 6818-6826.	3.8	85
3	Hydrogen production via catalytic methane decomposition over alumina supported iron catalyst. Arabian Journal of Chemistry, 2018, 11, 405-414.	2.3	60
4	CO2 reforming of CH4: Effect of Gd as promoter for Ni supported over MCM-41 as catalyst. Renewable Energy, 2019, 140, 658-667.	4.3	59
5	Enhancing hydrogen production by dry reforming process with strontium promoter. International Journal of Hydrogen Energy, 2014, 39, 1680-1687.	3.8	49
6	Effect of pre-treatment and calcination temperature on Al2O3-ZrO2 supported Ni-Co catalysts for dry reforming of methane. International Journal of Hydrogen Energy, 2019, 44, 21546-21558.	3.8	47
7	The effect of modifier identity on the performance of Ni-based catalyst supported on Î³-Al2O3 in dry reforming of methane. Catalysis Today, 2020, 348, 236-242.	2.2	46
8	Impact of ceria over WO3â€“ZrO2 supported Ni catalyst towards hydrogen production through dry reforming of methane. International Journal of Hydrogen Energy, 2021, 46, 25015-25028.	3.8	44
9	Evaluation of Co-Ni/Sc-SBAâ€“15 as a novel coke resistant catalyst for syngas production via CO2 reforming of methane. Applied Catalysis A: General, 2018, 567, 102-111.	2.2	42
10	Promotional effect of magnesium oxide for a stable nickel-based catalyst in dry reforming of methane. Scientific Reports, 2020, 10, 13861.	1.6	42
11	Hydrogen production from CH4 dry reforming over Sc promoted Ni / MCM-41. International Journal of Hydrogen Energy, 2019, 44, 20770-20781.	3.8	40
12	Optimizing acido-basic profile of support in Ni supported La2O3+Al2O3 catalyst for dry reforming of methane. International Journal of Hydrogen Energy, 2021, 46, 14225-14235.	3.8	39
13	Promotional effect of addition of ceria over yttria-zirconia supported Ni based catalyst system for hydrogen production through dry reforming of methane. International Journal of Hydrogen Energy, 2022, 47, 20838-20850.	3.8	38
14	Catalytic methane decomposition over ZrO2 supported iron catalysts: Effect of WO3 and La2O3 addition on catalytic activity and stability. Renewable Energy, 2020, 155, 969-978.	4.3	36
15	Effect of Cerium Promoters on an MCM-41-Supported Nickel Catalyst in Dry Reforming of Methane. Industrial & Engineering Chemistry Research, 2022, 61, 164-174.	1.8	33
16	Enhanced coke suppression by using phosphate-zirconia supported nickel catalysts under dry methane reforming conditions. International Journal of Hydrogen Energy, 2019, 44, 27784-27794.	3.8	32
17	Ni supported on La2O3+ZrO2 for dry reforming of methane: The impact of surface adsorbed oxygen species. International Journal of Hydrogen Energy, 2021, 46, 3780-3788.	3.8	30
18	Yttria Modified ZrO₂ Supported Ni Catalysts for CO₂ Reforming of Methane: The Role of Ce Promoter. ACS Omega, 2021, 6, 1280-1288.	1.6	29

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19	Production of hydrogen from methane over lanthanum supported bimetallic catalysts. International Journal of Hydrogen Energy, 2016, 41, 8193-8198.	3.8	28
20	Hydrogen Production by Partial Oxidation Reforming of Methane over Ni Catalysts Supported on High and Low Surface Area Alumina and Zirconia. Processes, 2020, 8, 499.	1.3	26
21	Optimization of toxic biological compound adsorption from aqueous solution onto Silicon and Silicon carbide nanoparticles through response surface methodology. Materials Science and Engineering C, 2017, 77, 1128-1134.	3.8	25
22	Barium-Promoted Yttriaâ€"Zirconia-Supported Ni Catalyst for Hydrogen Production via the Dry Reforming of Methane: Role of Barium in the Phase Stabilization of Cubic ZrO₂. ACS Omega, 2022, 7, 16468-16483.	1.6	25
23	Catalytic Behaviour of Ce-Doped Ni Systems Supported on Stabilized Zirconia under Dry Reforming Conditions. Catalysts, 2019, 9, 473.	1.6	24
24	Influence of Support Type and Metal Loading in Methane Decomposition over Iron Catalyst for Hydrogen Production. Journal of the Chinese Chemical Society, 2015, 62, 592-599.	0.8	23
25	Influence of Nature Support on Methane and CO2 Conversion in a Dry Reforming Reaction over Nickel-Supported Catalysts. Materials, 2019, 12, 1777.	1.3	23
26	Gallium-Promoted Ni Catalyst Supported on MCM-41 for Dry Reforming of Methane. Catalysts, 2018, 8, 229.	1.6	22
27	Highly Selective Syngas/H2 Production via Partial Oxidation of CH4 Using (Ni, Co and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422	1.3	22
28	Role of Mixed Oxides in Hydrogen Production through the Dry Reforming of Methane over Nickel Catalysts Supported on Modified Î³-Al2O3. Processes, 2021, 9, 157.	1.3	22
29	Ce promoted lanthana-zirconia supported Ni catalyst system: A ternary redox system for hydrogen production. Molecular Catalysis, 2021, 504, 111498.	1.0	22
30	Influence of promoted 5%Ni/MCM-41 catalysts on hydrogen yield in CO₂reforming of CH₄. International Journal of Energy Research, 2018, 42, 4120-4130.	2.2	21
31	Dry Reforming of Methane Using Ce-modified Ni Supported on 8%PO4 + ZrO2 Catalysts. Catalysts, 2020, 10, 242.	1.6	21
32	Role of Ca, Cr, Ga and Gd promotor over lanthanaâ€zirconiaâ€"supported Ni catalyst towards H₂â€rich syngas production through dry reforming of methane. Energy Science and Engineering, 2022, 10, 866-880.	1.9	21
33	Catalytic Performance of Lanthanum Promoted Ni/ZrO2 for Carbon Dioxide Reforming of Methane. Processes, 2020, 8, 1502.	1.3	20
34	Optimizing yttria-zirconia proportions in Ni supported catalyst system for H2 production through dry reforming of methane. Molecular Catalysis, 2021, 510, 111676.	1.0	20
35	Ceria promoted phosphateâ€zirconia supported Ni catalyst for hydrogen rich syngas production through dry reforming of methane. International Journal of Energy Research, 2021, 45, 19289-19302.	2.2	20
36	Catalytic Performance of Metal Oxides Promoted Nickel Catalysts Supported on Mesoporous Î³-Alumina in Dry Reforming of Methane. Processes, 2020, 8, 522.	1.3	18

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37	Bi-metallic catalysts of mesoporous Al2O3 supported on Fe, Ni and Mn for methane decomposition: Effect of activation temperature. Chinese Journal of Chemical Engineering, 2018, 26, 1904-1911.	1.7	17
38	H2 Production from Catalytic Methane Decomposition Using Fe/x-ZrO2 and Fe-Ni/(x-ZrO2) (x = 0, La2O3,) Tj ETQq0 0 0 rgBT /Overlock 1	1.6	17
39	A review on heterocyclic moieties and their applications. Catalysis for Sustainable Energy, 2016, 2, 99-115.	0.7	16
40	Combined Magnesia, Ceria and Nickel catalyst supported over Î³-Alumina Doped with Titania for Dry Reforming of Methane. Catalysts, 2019, 9, 188.	1.6	16
41	Production of Synthesis Gas via Dry Reforming of Methane over Coâ€Based Catalysts: Effect on H₂/CO Ratio and Carbon Deposition. Chemical Engineering and Technology, 2015, 38, 1397-1405.	0.9	15
42	The Effect of Calcination Temperature on Various Sources of ZrO2 Supported Ni Catalyst for Dry Reforming of Methane. Catalysts, 2022, 12, 361.	1.6	15
43	Methane decomposition over Fe supported catalysts for hydrogen and nano carbon yield. Catalysis for Sustainable Energy, 2015, 2, 71-82.	0.7	14
44	Silica-immobilized ionic liquid BrÃ¸nsted acids as highly effective heterogeneous catalysts for the isomerization of <i>n</i>-heptane and <i>n</i>-octane. RSC Advances, 2020, 10, 15282-15292.	1.7	14
45	Methane Decomposition Over ZrO2-Supported Fe and Feâ€“Ni Catalystsâ€”Effects of Doping La2O3 and WO3. Frontiers in Chemistry, 2020, 8, 317.	1.8	13
46	Sustainable Production of Synthesis Gases via State of the Art Metal Supported Catalytic Systems: An Overview. Journal of the Chinese Chemical Society, 2013, 60, 1297-1308.	0.8	12
47	Hydrogen production by catalytic methane decomposition over Ni, Co, and Ni-Co/Al₂O₃catalyst. Petroleum Science and Technology, 2016, 34, 1617-1623.	0.7	11
48	Iron Oxide Supported on Al₂O₃ Catalyst for Methane Decomposition Reaction: Effect of MgO Additive and Calcination Temperature. Journal of the Chinese Chemical Society, 2016, 63, 205-212.	0.8	11
49	Hydrogen production from CO₂ reforming of methane using zirconia supported nickel catalyst. RSC Advances, 2022, 12, 10846-10854.	1.7	11
50	Performance Study of Methane Dry Reforming on Ni/ZrO2 Catalyst. Energies, 2022, 15, 3841.	1.6	11
51	Hydrogen Yield from CO2 Reforming of Methane: Impact of La2O3 Doping on Supported Ni Catalysts. Energies, 2021, 14, 2412.	1.6	10
52	Modification of CeNi0.9Zr0.1O3 Perovskite Catalyst by Partially Substituting Yttrium with Zirconia in Dry Reforming of Methane. Materials, 2022, 15, 3564.	1.3	10
53	Lanthanumâ€“Cerium-Modified Nickel Catalysts for Dry Reforming of Methane. Catalysts, 2022, 12, 715.	1.6	9
54	Activity and Carbon Formation of a Low Ni-Loading Alumina-Supported Catalyst. Journal of Chemical Engineering of Japan, 2011, 44, 328-335.	0.3	8

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55	Optimizing MgO Content for Boosting Î³-Al2O3-Supported Ni Catalyst in Dry Reforming of Methane. Catalysts, 2021, 11, 1233.	1.6	8
56	Hydrodynamics of gas fluidized beds with mixture of group D and B particles. Canadian Journal of Chemical Engineering, 2002, 80, 281-288.	0.9	7
57	Naturally occurring neem gum: An unprecedented green resource for bioelectrochemical flexible energy storage device. International Journal of Energy Research, 2020, 44, 913-924.	2.2	7
58	CO2 reforming of CH4 over Ni-catalyst supported on yttria stabilized zirconia. Journal of Saudi Chemical Society, 2021, 25, 101244.	2.4	6
59	Dry Reforming of Methane with Ni Supported on Mechanically Mixed Yttria-Zirconia Support. Catalysis Letters, 2022, 152, 3632-3641.	1.4	6
60	Study of Partial Oxidation of Methane by Ni/Al2O3 Catalyst: Effect of Support Oxides of Mg, Mo, Ti and Y as Promoters. Molecules, 2020, 25, 5029.	1.7	5
61	Effect of Pressure on Na0.5La0.5Ni0.3Al0.7O2.5 Perovskite Catalyst for Dry Reforming of CH4. Catalysts, 2020, 10, 379.	1.6	5
62	Effectiveness factor of two-dimensional ring-shaped catalyst pellets. Polish Journal of Chemical Technology, 2017, 19, 99-105.	0.3	4
63	Kaolin-Supported Ni Catalysts for Dry Methane Reforming: Effect of Cs and Mixed Kâ€"Na Promoters. Journal of Chemical Engineering of Japan, 2019, 52, 232-238.	0.3	4
64	Methane decomposition over strontium promoted iron catalyst: effect of different ratio of Al/Si support on hydrogen yield. Chemical Engineering Communications, 2020, 207, 1148-1156.	1.5	4
65	A Stability-Indicating LC-MS Method for Determination of Perindopril and its Process Related Impurities. Pharmaceutical Chemistry Journal, 2018, 52, 378-383.	0.3	3
66	Suitability of Titania and Magnesia as Support for Methane Decomposition Catalyst Using Iron as Active Materials. Journal of Chemical Engineering of Japan, 2016, 49, 552-562.	0.3	2