

# Anis H Fakeeha

## List of Publications by Year in descending order

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104  
papers

2,992  
citations

159525

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206029

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104  
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104  
docs citations

104  
times ranked

2127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solubility of CO <sub>2</sub> in deep eutectic solvents: Experiments and modelling using the Peng-Robinson equation of state. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1898-1906.	2.7	165
2	Methane decomposition over iron catalyst for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7593-7600.	3.8	136
3	Separation of BTEX aromatics from n-octane using a (tetrabutylammonium bromide + sulfolane) deep eutectic solvent – experiments and COSMO-RS prediction. <i>RSC Advances</i> , 2014, 4, 17597.	1.7	117
4	Role of La <sub>2</sub> O <sub>3</sub> as Promoter and Support in Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts for Dry Reforming of Methane. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 28-37.	1.7	109
5	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 CO <sub>2</sub> -reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119445.	10.8	104
6	Catalytic performance of CeO <sub>2</sub> and ZrO <sub>2</sub> supported Co catalysts for hydrogen production via dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6818-6826.	3.8	85
7	CO <sub>2</sub> -reforming of methane to produce syngas over Co-Ni/SBA-15 catalyst: Effect of support modifiers (Mg, La and Sc) on catalytic stability. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 21, 395-404.	3.3	83
8	Rh promoted and ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> supported Ni/Co based catalysts: High activity for CO <sub>2</sub> reforming, steam- <sub>2</sub> CO <sub>2</sub> reforming and oxy- <sub>2</sub> CO <sub>2</sub> reforming of CH <sub>4</sub> . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12069-12080.	3.8	79
9	Effects of Selected Promoters on Ni/Y-Al <sub>2</sub> O <sub>3</sub> Catalyst Performance in Methane Dry Reforming. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1604-1609.	6.9	69
10	Energetic and exergetic analysis of solar-powered lithium bromide-water absorption cooling system. <i>Journal of Cleaner Production</i> , 2017, 151, 60-73.	4.6	63
11	Stabilities of zeolite-supported Ni catalysts for dry reforming of methane. <i>Chinese Journal of Catalysis</i> , 2013, 34, 764-768.	6.9	60
12	Activities of Ni-based nano catalysts for CO <sub>2</sub> -CH <sub>4</sub> reforming prepared by polyol process. <i>Fuel Processing Technology</i> , 2014, 122, 141-152.	3.7	60
13	Hydrogen production via catalytic methane decomposition over alumina supported iron catalyst. <i>Arabian Journal of Chemistry</i> , 2018, 11, 405-414.	2.3	60
14	CO <sub>2</sub> reforming of CH <sub>4</sub> : Effect of Gd as promoter for Ni supported over MCM-41 as catalyst. <i>Renewable Energy</i> , 2019, 140, 658-667.	4.3	59
15	Production of hydrogen and carbon nanofibers from methane over Ni-Co-Al catalysts. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1774-1781.	3.8	53
16	Hydrogen production from methane dry reforming over nickel-based nanocatalysts using surfactant-assisted or polyol method. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17009-17023.	3.8	50
17	Syngas production via CO <sub>2</sub> reforming of methane using Co-Sr-Al catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 549-557.	2.9	50
18	Enhancing hydrogen production by dry reforming process with strontium promoter. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1680-1687.	3.8	49

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19	Effect of pre-treatment and calcination temperature on Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> supported Ni-Co catalysts for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21546-21558.	3.8	47
20	The effect of modifier identity on the performance of Ni-based catalyst supported on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> in dry reforming of methane. <i>Catalysis Today</i> , 2020, 348, 236-242.	2.2	46
21	Impact of ceria over WO <sub>3</sub> @ZrO <sub>2</sub> supported Ni catalyst towards hydrogen production through dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25015-25028.	3.8	44
22	CO <sub>2</sub> Reforming of Methane to Produce Syngas over $\gamma$ -Al <sub>2</sub> O <sub>3</sub> -Supported Ni@Sr Catalysts. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 742-748.	2.0	42
23	Evaluation of Co-Ni/Sc-SBA@15 as a novel coke resistant catalyst for syngas production via CO <sub>2</sub> reforming of methane. <i>Applied Catalysis A: General</i> , 2018, 567, 102-111.	2.2	42
24	Promotional effect of magnesium oxide for a stable nickel-based catalyst in dry reforming of methane. <i>Scientific Reports</i> , 2020, 10, 13861.	1.6	42
25	Hydrogen production from CH <sub>4</sub> dry reforming over Sc promoted Ni / MCM-41. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20770-20781.	3.8	40
26	Optimizing acido-basic profile of support in Ni supported La <sub>2</sub> O <sub>3</sub> +Al <sub>2</sub> O <sub>3</sub> catalyst for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14225-14235.	3.8	39
27	Promotional effect of addition of ceria over yttria-zirconia supported Ni based catalyst system for hydrogen production through dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 20838-20850.	3.8	38
28	La <sub>2</sub> O <sub>3</sub> supported bimetallic catalysts for the production of hydrogen and carbon nanomaterials from methane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 976-983.	3.8	36
29	Catalytic methane decomposition over ZrO <sub>2</sub> supported iron catalysts: Effect of WO <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> addition on catalytic activity and stability. <i>Renewable Energy</i> , 2020, 155, 969-978.	4.3	36
30	Synthesis of silver nanoparticles decorated on reduced graphene oxide nanosheets and their electrochemical sensing towards hazardous 4-nitrophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11927-11937.	1.1	33
31	Effect of Cerium Promoters on an MCM-41-Supported Nickel Catalyst in Dry Reforming of Methane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 164-174.	1.8	33
32	Enhanced coke suppression by using phosphate-zirconia supported nickel catalysts under dry methane reforming conditions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27784-27794.	3.8	32
33	Study of Methane Decomposition on Fe/MgO-Based Catalyst Modified by Ni, Co, and Mn Additives. <i>Chemical Engineering Communications</i> , 2017, 204, 739-749.	1.5	30
34	Ni supported on La <sub>2</sub> O <sub>3</sub> +ZrO <sub>2</sub> for dry reforming of methane: The impact of surface adsorbed oxygen species. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3780-3788.	3.8	30
35	Yttria Modified ZrO <sub>2</sub> Supported Ni Catalysts for CO <sub>2</sub> Reforming of Methane: The Role of Ce Promoter. <i>ACS Omega</i> , 2021, 6, 1280-1288.	1.6	29
36	Ni catalysts with different promoters supported on zeolite for dry reforming of methane. <i>Applied Petrochemical Research</i> , 2015, 5, 329-337.	1.3	28

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37	Production of hydrogen from methane over lanthanum supported bimetallic catalysts. International Journal of Hydrogen Energy, 2016, 41, 8193-8198.	3.8	28
38	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
39	Effect of Ce and Co Addition to Fe/Al <sub>2</sub> O <sub>3</sub> for Catalytic Methane Decomposition. Catalysts, 2016, 6, 40.	1.6	25
40	Impact of Ce-Loading on Ni-catalyst supported over La <sub>2</sub> O <sub>3</sub> +ZrO <sub>2</sub> in methane reforming with CO <sub>2</sub> . International Journal of Hydrogen Energy, 2020, 45, 33343-33351.	3.8	25
41	Barium-Promoted Yttria-Zirconia-Supported Ni Catalyst for Hydrogen Production via the Dry Reforming of Methane: Role of Barium in the Phase Stabilization of Cubic ZrO <sub>2</sub> . ACS Omega, 2022, 7, 16468-16483.	1.6	25
42	Catalytic Behaviour of Ce-Doped Ni Systems Supported on Stabilized Zirconia under Dry Reforming Conditions. Catalysts, 2019, 9, 473.	1.6	24
43	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
44	Influence of Nature Support on Methane and CO <sub>2</sub> Conversion in a Dry Reforming Reaction over Nickel-Supported Catalysts. Materials, 2019, 12, 1777.	1.3	23
45	Gallium-Promoted Ni Catalyst Supported on MCM-41 for Dry Reforming of Methane. Catalysts, 2018, 8, 229.	1.6	22
46	Highly Selective Syngas/H <sub>2</sub> Production via Partial Oxidation of CH <sub>4</sub> Using (Ni, Co and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (Niâ€	1.3	22
47	Role of Mixed Oxides in Hydrogen Production through the Dry Reforming of Methane over Nickel Catalysts Supported on Modified Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> . Processes, 2021, 9, 157.	1.3	22
48	Ce promoted lanthana-zirconia supported Ni catalyst system: A ternary redox system for hydrogen production. Molecular Catalysis, 2021, 504, 111498.	1.0	22
49	Influence of promoted 5%Ni/MCM-41 catalysts on hydrogen yield in CO <sub>2</sub> reforming of CH <sub>4</sub> . International Journal of Energy Research, 2018, 42, 4120-4130.	2.2	21
50	Dry Reforming of Methane Using Ce-modified Ni Supported on 8%PO <sub>4</sub> + ZrO <sub>2</sub> Catalysts. Catalysts, 2020, 10, 242.	1.6	21
51	Role of Ca, Cr, Ga and Gd promotor over lanthana-zirconia supported Ni catalyst towards H <sub>2</sub> -rich syngas production through dry reforming of methane. Energy Science and Engineering, 2022, 10, 866-880.	1.9	21
52	The Effect of Sc Promoter on the Performance of Co/ TiO <sub>2</sub> -P <sub>25</sub> Catalyst in Dry Reforming of Methane. Bulletin of the Korean Chemical Society, 2015, 36, 2081-2088.	1.0	20
53	Catalytic Performance of Lanthanum Promoted Ni/ZrO <sub>2</sub> for Carbon Dioxide Reforming of Methane. Processes, 2020, 8, 1502.	1.3	20
54	Optimizing yttria-zirconia proportions in Ni supported catalyst system for H <sub>2</sub> production through dry reforming of methane. Molecular Catalysis, 2021, 510, 111676.	1.0	20

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55	Ceria promoted phosphate-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
56	Catalytic Performance of Metal Oxides Promoted Nickel Catalysts Supported on Mesoporous $\gamma$ -Alumina in Dry Reforming of Methane. Processes, 2020, 8, 522.	1.3	18
57	Highly active InOx/TUD-1 catalyst towards Baeyer-Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde. Catalysis Communications, 2016, 74, 80-84.	1.6	17
58	Bi-metallic catalysts of mesoporous Al <sub>2</sub> O <sub>3</sub> 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
59	H <sub>2</sub> Production from Catalytic Methane Decomposition Using Fe/x-ZrO <sub>2</sub> and Fe-Ni/(x-ZrO <sub>2</sub> ) (x = 0, La <sub>2</sub> O <sub>3</sub> ) Tj ETQq1, 1 0.784314 rgBT 17	1.6	17
60	Combined Magnesia, Ceria and Nickel catalyst supported over $\gamma$ -Alumina Doped with Titania for Dry Reforming of Methane. Catalysts, 2019, 9, 188.	1.6	16
61	Production of Synthesis Gas via Dry Reforming of Methane over Co-Based Catalysts: Effect on H <sub>2</sub> /CO Ratio and Carbon Deposition. Chemical Engineering and Technology, 2015, 38, 1397-1405.	0.9	15
62	Iridium promoted Ni-Co/Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> catalyst for dry reforming of methane. Canadian Journal of Chemical Engineering, 2018, 96, 955-960.	0.9	15
63	The Effect of Calcination Temperature on Various Sources of ZrO <sub>2</sub> Supported Ni Catalyst for Dry Reforming of Methane. Catalysts, 2022, 12, 361.	1.6	15
64	Methane decomposition over Fe supported catalysts for hydrogen and nano carbon yield. Catalysis for Sustainable Energy, 2015, 2, 71-82.	0.7	14
65	Iron catalyst for decomposition of methane: Influence of Al/Si ratio support. Egyptian Journal of Petroleum, 2018, 27, 1221-1225.	1.2	14
66	Nanosized Ni/SBA-15 Catalysts for CO <sub>2</sub> Reforming of CH <sub>4</sub> . Applied Sciences (Switzerland), 2019, 9, 1926.	1.3	14
67	Silica-immobilized Brønsted acids as highly effective heterogeneous catalysts for the isomerization of n-heptane and n-octane. RSC Advances, 2020, 10, 15282-15292.	1.7	14
68	Modification of alumina support with TiO <sub>2</sub> -P25 in CO <sub>2</sub> reforming of CH <sub>4</sub> . Journal of Industrial and Engineering Chemistry, 2012, 18, 212-217.	2.9	13
69	Reforming of Methane by CO <sub>2</sub> over Bimetallic Ni-Mn/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst. Chinese Journal of Chemical Physics, 2014, 27, 214-220.	0.6	13
70	Methane Decomposition Over ZrO <sub>2</sub> -Supported Fe and Fe-Ni Catalysts—Effects of Doping La <sub>2</sub> O <sub>3</sub> and WO <sub>3</sub> . Frontiers in Chemistry, 2020, 8, 317.	1.8	13
71	Characterization and kinetic modeling for pyrolytic conversion of cotton stalks. Energy Science and Engineering, 2021, 9, 1908-1918.	1.9	13
72	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

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73	Hydrogen production by catalytic methane decomposition over Ni, Co, and Ni-Co/Al <sub>2</sub> O <sub>3</sub> catalyst. Petroleum Science and Technology, 2016, 34, 1617-1623.	0.7	11
74	Iron Oxide Supported on Al <sub>2</sub> O <sub>3</sub> 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
75	Dry Reforming of Methane Using Ni Catalyst Supported on ZrO <sub>2</sub> : The Effect of Different Sources of Zirconia. Catalysts, 2021, 11, 827.	1.6	11
76	Hydrogen production from CO <sub>2</sub> reforming of methane using zirconia supported nickel catalyst. RSC Advances, 2022, 12, 10846-10854.	1.7	11
77	Performance Study of Methane Dry Reforming on Ni/ZrO <sub>2</sub> Catalyst. Energies, 2022, 15, 3841.	1.6	11
78	Hydrogen Yield from CO <sub>2</sub> Reforming of Methane: Impact of La <sub>2</sub> O <sub>3</sub> Doping on Supported Ni Catalysts. Energies, 2021, 14, 2412.	1.6	10
79	Modification of CeNi <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> Perovskite Catalyst by Partially Substituting Yttrium with Zirconia in Dry Reforming of Methane. Materials, 2022, 15, 3564.	1.3	10
80	Effect of Nano-support and Type of Active Metal on Reforming of CH <sub>4</sub> with CO <sub>2</sub> . Journal of the Chinese Chemical Society, 2014, 61, 461-470.	0.8	9
81	Effect of SO <sub>2</sub> on Catalytic CO Oxidation Over Nano-Structured, Mesoporous Au/Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> Catalysts. Catalysis Letters, 2017, 147, 2893-2900.	1.4	9
82	In Situ Regeneration of Alumina-Supported Cobalt-Iron Catalysts for Hydrogen Production by Catalytic Methane Decomposition. Catalysts, 2018, 8, 567.	1.6	9
83	Kinetics of long chain n-paraffin dehydrogenation over a commercial Pt-Sn-K-Mg/Al <sub>2</sub> O <sub>3</sub> catalyst: Model studies using n-dodecane. Applied Catalysis A: General, 2019, 579, 130-140.	2.2	9
84	Lanthanum-Cerium-Modified Nickel Catalysts for Dry Reforming of Methane. Catalysts, 2022, 12, 715.	1.6	9
85	A kinetic model for partial oxidation of ethane to acetic acid on promoted VPO catalyst. Journal of Chemical Technology and Biotechnology, 2000, 75, 1160-1168.	1.6	8
86	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
87	Optimizing MgO Content for Boosting Al <sub>2</sub> O <sub>3</sub> -Supported Ni Catalyst in Dry Reforming of Methane. Catalysts, 2021, 11, 1233.	1.6	8
88	CO <sub>2</sub> reforming of CH <sub>4</sub> over Ni-catalyst supported on yttria stabilized zirconia. Journal of Saudi Chemical Society, 2021, 25, 101244.	2.4	6
89	Dry Reforming of Methane with Ni Supported on Mechanically Mixed Yttria-Zirconia Support. Catalysis Letters, 2022, 152, 3632-3641.	1.4	6
90	Self-consistent equations for calculating the ideal-gas heat capacity, enthalpy and entropy. II. Additional results. Fluid Phase Equilibria, 1983, 11, 225-232.	1.4	5

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91	Investigation of Suitable Pretreatment for Dry Reforming of Methane Over Ni/Al <sub>2</sub> O <sub>3</sub> . Advanced Materials Research, 2011, 233-235, 1665-1673.	0.3	5
92	Study of Partial Oxidation of Methane by Ni/Al <sub>2</sub> O <sub>3</sub> Catalyst: Effect of Support Oxides of Mg, Mo, Ti and Y as Promoters. Molecules, 2020, 25, 5029.	1.7	5
93	Effect of Pressure on Na <sub>0.5</sub> La <sub>0.5</sub> Ni <sub>0.3</sub> Al <sub>0.7</sub> O <sub>2.5</sub> Perovskite Catalyst for Dry Reforming of CH <sub>4</sub> . Catalysts, 2020, 10, 379.	1.6	5
94	Kaolin-Supported Ni Catalysts for Dry Methane Reforming: Effect of Cs and Mixed K <sup>+</sup> Na Promoters. Journal of Chemical Engineering of Japan, 2019, 52, 232-238.	0.3	4
95	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
96	Flow of Oil Emulsion Through Porous Media. Journal of King Saud University, Engineering Sciences, 1994, 6, 1-15.	1.2	2
97	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
98	Rapid investigation of paraffin dehydrogenation catalyst by TPRn/SPI-TOF-MS technique for industrial application. Applied Catalysis A: General, 2016, 514, 241-247.	2.2	2
99	Factors Affecting Enrichment of Natural Gas by Polymeric Membranes. Journal of King Saud University, Engineering Sciences, 1995, 7, 35-60.	1.2	1
100	The Interaction between Corrosion Processes and Mass Transfer at Rough Surfaces. Journal of King Saud University, Engineering Sciences, 1996, 8, 51-69.	1.2	1
101	Catalytic Decomposition of Methane over La <sub>2</sub> O <sub>3</sub> Supported Mono- and Bimetallic Catalysts. Applied Mechanics and Materials, 0, 625, 275-279.	0.2	1
102	Methane Reforming Using a Ni <sup>+</sup> Ag <sup>3+</sup> -Al <sub>2</sub> O <sub>3</sub> Catalyst. Journal of Chemical Engineering of Japan, 2013, 46, 158-161.	0.3	1
103	Optimization of the Performance of Packed Bed Fermentor with Immobilized Zymomonas Mobilis for the Production of Fuel Alcohol. Journal of King Saud University, Engineering Sciences, 1993, 5, 1-15.	1.2	0
104	Simulation of Distillation of a Large Relative Volatility Mixture. Journal of King Saud University, Engineering Sciences, 2003, 15, 13-26.	1.2	0