Sharif Zaman

List of Publications by Year
in descending order

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42	1,262	361413 20	361022 35
papers	citations	h-index	g-index

44	44	44	1387
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonia decomposition for hydrogen production: a thermodynamic study. Chemical Papers, 2021, 75, 57-65.	2.2	22
2	A review on CO2 hydrogenation to lower olefins: Understanding the structure-property relationships in heterogeneous catalytic systems. Journal of CO2 Utilization, 2021, 47, 101506.	6.8	60
3	Artificial Intelligence Based Modelling of Adsorption Water Desalination System. Mathematics, 2021, 9, 1674.	2.2	5
4	Turning CO2 into di-methyl ether (DME) using Pd based catalysts â€“ Role of Ca in tuning the activity and selectivity. Journal of Industrial and Engineering Chemistry, 2021, 103, 67-79.	5.8	12
5	Partial Oxidation of Methanol (POM) over Transition Metal-Promoted Nanostructured Gold Catalysts Supported on CeO2â€“ZrO2. Arabian Journal for Science and Engineering, 2021, 46, 6531-6542.	3.0	0
6	Duplicating Freshwater Productivity of Adsorption Desalination System Using Aluminum Metal Filings. Water (Switzerland), 2021, 13, 3231.	2.7	1
7	Selective hydrogenation of CO2 to CH3OH and in-depth DRIFT analysis for PdZn/ZrO2 and CaPdZn/ZrO2 catalysts. Catalysis Today, 2020, 357, 573-582.	4.4	46
8	A Review on Pd Based Catalysts for CO2 Hydrogenation to Methanol: In-Depth Activity and DRIFTS Mechanistic Study. Catalysis Surveys From Asia, 2020, 24, 11-37.	2.6	67
9	MgFe and Mgâ€“Coâ€“Fe mixed oxides derived from hydrotalcites: Highly efficient catalysts for COx free hydrogen production from NH3. International Journal of Hydrogen Energy, 2020, 45, 873-890.	7.1	28
10	Development of high surface area bulk W2N catalysts for hydrogen production from ammonia decomposition. International Journal of Hydrogen Energy, 2020, 45, 16219-16226.	7.1	10
11	Syngas to lower olefins over bulk Mo 2 N catalysts prepared with citric acid. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2516.	1.5	2
12	Catalytic Ammonia Decomposition for Hydrogen Production: Utilization of Ammonia in a Fuel Cell. Green Energy and Technology, 2020, , 81-105.	0.6	9
13	Optimizing Pd:Zn molar ratio in PdZn/CeO2 for CO2 hydrogenation to methanol. Applied Catalysis A: General, 2019, 584, 117185.	4.3	64
14	Methanol Synthesis Using CO₂ and H₂ on Nano Silver-Ceria Zirconia Catalysts: Influence of Preparation Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 3197-3204.	0.9	6
15	Influence of alkali metal (Li and Cs) addition to Mo₂N catalyst for CO hydrogenation to hydrocarbons and oxygenates. Canadian Journal of Chemical Engineering, 2018, 96, 1770-1779.	1.7	7
16	Ammonia decomposition over citric acid induced Î³-Mo2N and Co3Mo3N catalysts. International Journal of Hydrogen Energy, 2018, 43, 4839-4844.	7.1	37
17	Ethyl benzene oxidative dehydrogenation to styrene on Al-B and Al-B-Sb catalysts. Applied Catalysis A: General, 2018, 552, 49-57.	4.3	6
18	Development of highly selective PdZn/CeO2 and Ca-doped PdZn/CeO2 catalysts for methanol synthesis from CO2 hydrogenation. Applied Catalysis A: General, 2018, 560, 42-53.	4.3	103

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19	Ammonia decomposition over citric acid chelated Î³-Mo2N and Ni2Mo3N catalysts. International Journal of Hydrogen Energy, 2018, 43, 17252-17258.	7.1	41
20	High performance of bulk Mo 2 N and Co 3 Mo 3 N catalysts for hydrogen production from ammonia: Role of citric acid to Mo molar ratio in preparation of high surface area nitride catalysts. International Journal of Hydrogen Energy, 2017, 42, 8006-8020.	7.1	33
21	Carbon monoxide hydrogenation on potassium promoted Mo 2 N catalysts. Applied Catalysis A: General, 2017, 532, 133-145.	4.3	36
22	Effect of preparation methods on the catalyst performance of Co/Mg La mixed oxide catalyst for COx-free hydrogen production by ammonia decomposition. International Journal of Hydrogen Energy, 2017, 42, 24213-24221.	7.1	30
23	Ammonia treated Mo/AC catalysts for CO hydrogenation with improved oxygenates selectivity. Journal of Chemical Sciences, 2017, 129, 589-599.	1.5	4
24	Measurement of Para-Xylene Diffusivity in Zeolites and Analyzing Desorption Curves Using the Mittag-Leffler Function. Fractional Calculus and Applied Analysis, 2016, 19, 551-560.	2.2	3
25	Catalytic hydrolysis of sodium borohydride on Co catalysts. International Journal of Energy Research, 2016, 40, 2078-2090.	4.5	19
26	Kinetics of hydrogen adsorption on MgH2/CNT composite. Materials Research Bulletin, 2016, 77, 23-28.	5.2	41
27	Partial oxidation of methanol over Au/CeO₂â€“ZrO₂ and Au/CeO₂â€“ZrO₂â€“TiO₂ catalysts. RSC Advances, 2016, 6, 22555-22562.	3.6	13
28	Influence of alumina precursor on the physico-chemical properties of Vâ€“Sbâ€“Pâ€“W/Al 2 O 3 catalyst studied for the ammoxidation of propane. Applied Catalysis A: General, 2016, 512, 52-62.	4.3	2
29	Hydrogen generation by ammonia decomposition using Co/MgOâ€“La2O3 catalyst: Influence of support calcination atmosphere. Journal of Molecular Catalysis A, 2016, 414, 130-139.	4.8	58
30	Hydrogen production by ammonia decomposition using high surface area Mo₂N and Co₃Mo₃N catalysts. Catalysis Science and Technology, 2016, 6, 1496-1506.	4.1	80
31	Preparation of activated carbon from fly ash and its application for CO2 capture. Korean Journal of Chemical Engineering, 2015, 32, 723-730.	2.7	42
32	Kinetics of Desorption of 1,3-Diisopropylbenzene and 1,3,5-Triisopropylbenzene. 2. Diffusion in FCC Catalyst Particles by Zero Length Column Method. Industrial & Engineering Chemistry Research, 2015, 54, 4572-4580.	3.7	9
33	Fractional order modelling of zero length column desorption response for adsorbents with variable particle sizes. Open Physics, 2013, 11, .	1.7	1
34	A Review of Molybdenum Catalysts for Synthesis Gas Conversion to Alcohols: Catalysts, Mechanisms and Kinetics. Catalysis Reviews - Science and Engineering, 2012, 54, 41-132.	12.9	221
35	Synthesis gas conversion over a Rhâ€“Kâ€“MoP/SiO2 catalyst. Catalysis Today, 2011, 171, 266-274.	4.4	34
36	A study of K-promoted MoPâ€“SiO2 catalysts for synthesis gas conversion. Applied Catalysis A: General, 2010, 378, 59-68.	4.3	39

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37	A DFT study of the effect of K and SiO2on syngas conversion to methane and methanol over an Mo6P3cluster. Molecular Simulation, 2010, 36, 118-126.	2.0	6
38	Synthesis gas conversion over MoP catalysts. Catalysis Communications, 2009, 10, 468-471.	3.3	38
39	A study of synthesis gas conversion to methane and methanol over a Mo₆P₃ cluster using density functional theory. Molecular Simulation, 2008, 34, 1073-1084.	2.0	14
40	Kinetics of Desorption of 1,3-Diisopropylbenzene and 1,3,5-Triisopropylbenzene. 1. Diffusion in Y-Zeolite Crystals by the Zero-Length-Column Method. Industrial & Engineering Chemistry Research, 2005, 44, 2027-2035.	3.7	8
41	Advanced Materials for Gene Delivery. Advanced Materials Research, 0, 995, 29-47.	0.3	2
42	Dehydrogenation and Hydrogenation Cycle of Methylcyclohexaneâ€“Toluene System for Liquid Phase Hydrogen Storage: Thermodynamic Reaction Equilibrium Investigation. Arabian Journal for Science and Engineering, 0, , 1.	3.0	0