

Muhammad Arif Ab Aziz

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,101
citations

394390
19
h-index

477281
29
g-index

30
all docs

30
docs citations

30
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of mesoporous CeO ₂ â€“MgO adsorbent with diverse active sites via eggshell membrane-templating for CO ₂ capture. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
2	Magnesium oxide-based adsorbents for carbon dioxide capture: Current progress and future opportunities. Journal of CO ₂ Utilization, 2021, 43, 101357.	6.8	61
3	Mesoporous Magnesium Oxide Adsorbent Prepared via Lime (Citrus aurantifolia) Peel Bio-templating for CO ₂ Capture. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 366-373.	1.1	2
4	Green carbonaceous materialâ€™fibrous silica-titania composite photocatalysts for enhanced degradation of toxic 2-chlorophenol. Journal of Hazardous Materials, 2021, 414, 125524.	12.4	32
5	High-performance flake-like mesoporous magnesium oxide prepared by eggshell membrane template for carbon dioxide capture. Journal of Solid State Chemistry, 2021, 300, 122242.	2.9	8
6	Magnesium-based alloys for solid-state hydrogen storage applications: A review. International Journal of Hydrogen Energy, 2021, 46, 31067-31083.	7.1	58
7	Life cycle assessment of food waste composting management. AIP Conference Proceedings, 2021, , .	0.4	1
8	Understanding the role of surface basic sites of catalysts in CO ₂ activation in dry reforming of methane: a short review. Catalysis Science and Technology, 2020, 10, 35-45.	4.1	118
9	Highâ€“Performance Bimetallic Catalysts for Lowâ€“Temperature Carbon Dioxide Reforming of Methane. Chemical Engineering and Technology, 2020, 43, 661-671.	1.5	19
10	Novel Fabrication of Photoactive CuO/HY Zeolite as an Efficient Catalyst for Photodecolorization of Malachite Green. Topics in Catalysis, 2020, 63, 1005-1016.	2.8	8
11	A highly competitive system for CO methanation over an active metal-free fibrous silica mordenite via in-situ ESR and FTIR studies. Energy Conversion and Management, 2020, 211, 112754.	9.2	21
12	Efficient 3-aminopropyltrimethoxysilane functionalised mesoporous ceria nanoparticles for CO ₂ capture. Materials Today Chemistry, 2020, 16, 100273.	3.5	16
13	A review of heterogeneous catalysts for syngas production via dry reforming. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 139-158.	5.3	87
14	Mesoporous adsorbent for CO ₂ capture application under mild condition: A review. Journal of Environmental Chemical Engineering, 2019, 7, 103022.	6.7	78
15	Optimal Ni loading towards efficient CH ₄ production from H ₂ and CO ₂ over Ni supported onto fibrous SBA-15. International Journal of Hydrogen Energy, 2019, 44, 7228-7240.	7.1	34
16	Tailored mesoporosity and acidity of shape-selective fibrous silica beta zeolite for enhanced toluene co-reaction with methanol. Chemical Engineering Science, 2019, 193, 217-229.	3.8	54
17	Preparation of activated carbon from oil palm empty fruit bunch by physical activation for treatment of landfill leachate. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012036.	0.6	4
18	Transesterification of croton megalocarpus oil to biodiesel over WO ₃ supported on silica mesoporous-macroparticles catalyst. Chemical Engineering Journal, 2017, 316, 882-892.	12.7	29

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19	Tailoring the properties of electrolyzed Ni/mesostructured silica nanoparticles (MSN) via different Ni-loading methods for CO ₂ reforming of CH ₄ . Journal of CO ₂ Utilization, 2016, 13, 71-80.	6.8	61
20	Mesoporous ZSM5 having both intrinsic acidic and basic sites for cracking and methanation. Chemical Engineering Journal, 2015, 270, 196-204.	12.7	47
21	Low-temperature stabilization of electrosynthesized tetragonal zirconia, its photoactivity toward methylene blue decolorization. Desalination and Water Treatment, 2015, 56, 2402-2416.	1.0	12
22	CO ₂ methanation over heterogeneous catalysts: recent progress and future prospects. Green Chemistry, 2015, 17, 2647-2663.	9.0	576
23	CO ₂ methanation over Ni-promoted mesostructured silica nanoparticles: Influence of Ni loading and water vapor on activity and response surface methodology studies. Chemical Engineering Journal, 2015, 260, 757-764.	12.7	141
24	Protonation of Al-grafted mesostructured silica nanoparticles (MSN): Acidity and catalytic activity for cumene conversion. Chemical Engineering Journal, 2014, 240, 352-361.	12.7	39
25	Highly active Ni-promoted mesostructured silica nanoparticles for CO ₂ methanation. Applied Catalysis B: Environmental, 2014, 147, 359-368.	20.2	404
26	Methanation of carbon dioxide on metal-promoted mesostructured silica nanoparticles. Applied Catalysis A: General, 2014, 486, 115-122.	4.3	125
27	Promotive effect of hydrogen in n-hexane isomerization over Ni/PtHY catalyst. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	0
28	Interaction of Zn ²⁺ with extraframework aluminum in HBEA zeolite and its role in enhancing n-pentane isomerization. Applied Catalysis A: General, 2012, 431-432, 104-112.	4.3	35
29	Negative effect of Ni on PtHY in n-pentane isomerization evidenced by IR and ESR studies. Journal of Natural Gas Chemistry, 2012, 21, 29-36.	1.8	19
30	Effect of iridium loading on HZSM-5 for isomerization of n-heptane. Journal of Natural Gas Chemistry, 2011, 20, 477-482.	1.8	9