

# Aqsha Aqsha

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

746  
citations

471061

17  
h-index

552369

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization, thermochemical conversion studies, and heating value modeling of municipal solid waste. <i>Waste Management</i> , 2016, 48, 34-47.	3.7	121
2	Synthesis and study of metal-based oxygen carriers (Cu, Co, Fe, Ni) and their interaction with supported metal oxides (Al <sub>2</sub> O <sub>3</sub> , CeO <sub>2</sub> , TiO <sub>2</sub> , ZrO <sub>2</sub> ) in a chemical looping combustion system. <i>Energy</i> , 2017, 138, 873-882.	4.5	56
3	Bio-oil production from pyrolysis of oil palm biomass and the upgrading technologies: A review. <i>Carbon Resources Conversion</i> , 2021, 4, 239-250.	3.2	54
4	A review over the role of catalysts for selective short-chain polyglycerol production from biodiesel derived waste glycerol. <i>Environmental Technology and Innovation</i> , 2020, 19, 100859.	3.0	48
5	Catalytic pyrolysis of straw biomasses (wheat, flax, oat and barley) and the comparison of their product yields. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 201-208.	2.6	44
6	Recent Advances and Development of Various Oxygen Carriers for the Chemical Looping Combustion Process: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 8621-8641.	1.8	44
7	Development of oil-spill sorbent from straw biomass waste: Experiments and modeling studies. <i>Journal of Environmental Management</i> , 2016, 171, 166-176.	3.8	40
8	Catalytic Hydrodeoxygenation of Guaiacol as Lignin Model Component Using Ni-Mo/TiO <sub>2</sub> and Ni-V/TiO <sub>2</sub> Catalysts. <i>Catalysis Letters</i> , 2015, 145, 1351-1363.	1.4	32
9	Development of Polyvinylidene Fluoride Membrane by Incorporating Bio-Based Ginger Extract as Additive. <i>Polymers</i> , 2020, 12, 2003.	2.0	31
10	Mass transfer studies during CO <sub>2</sub> gasification of torrefied and pyrolyzed chars. <i>Energy</i> , 2014, 67, 319-327.	4.5	28
11	Catalytic reforming of oxygenated hydrocarbons for the hydrogen production: an outlook. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8441-8464.	2.9	27
12	Liquid value-added chemicals production from aqueous phase reforming of sorbitol and glycerol over sonosynthesized Ni-based catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105766.	3.3	22
13	CO <sub>2</sub> Capture Performance of Core/Shell CaO-Based Sorbent Using Mesostructured Silica and Titania in a Multicycle CO <sub>2</sub> Capture Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4532-4538.	1.8	21
14	In-situ hydrogenolysis of glycerol using hydrogen produced via aqueous phase reforming of glycerol over sonochemically synthesized nickel-based nano-catalyst. <i>Molecular Catalysis</i> , 2021, 514, 111860.	1.0	20
15	Determination of redox pathways of supported bimetallic oxygen carriers in a methane fuelled chemical looping combustion system. <i>Fuel</i> , 2018, 233, 133-145.	3.4	18
16	Parametric Studies on Hydrodeoxygenation of Rubber Seed Oil for Diesel Range Hydrocarbon Production. <i>Energy &amp; Fuels</i> , 2020, 34, 4603-4617.	2.5	17
17	Effect of membrane properties in a membrane rotating biological contactor for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104869.	3.3	17
18	Study of sawdust pyrolysis and its devolatilisation kinetics. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1451-1457.	0.9	16

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19	Effect of Calcium Doping Using Aqueous Phase Reforming of Glycerol over Sonochemically Synthesized Nickel-Based Supported ZrO <sub>2</sub> Catalyst. <i>Catalysts</i> , 2021, 11, 977.	1.6	14
20	Process optimization of green diesel selectivity and understanding of reaction intermediates. <i>Renewable Energy</i> , 2020, 149, 1092-1106.	4.3	13
21	Effects of ultrasound irradiations time over Ni <sup>2+</sup> /Mo <sup>6+</sup> -Al <sub>2</sub> O <sub>3</sub> catalyst synthesis for 1,3-Propanediol selectively via aqueous phase reforming of glycerol. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100096.	2.9	10
22	Catalytic Evaluation of Nanoflower Structured Manganese Oxide Electrocatalyst for Oxygen Reduction in Alkaline Media. <i>Catalysts</i> , 2020, 10, 822.	1.6	9
23	Comparative Study on Ni <sup>2+</sup> -Al <sub>2</sub> O <sub>3</sub> Prepared via Ultrasonic Irradiation and Impregnation Approaches as an Oxygen Carrier in Chemical Looping Combustion. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13542-13552.	1.8	9
24	Enhancing biogas production in anaerobic co-digestion of fresh chicken manure with corn stover at laboratory scale. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
25	X-ray diffraction and TGA kinetic analyses for chemical looping combustion applications. <i>Data in Brief</i> , 2018, 17, 200-209.	0.5	6
26	Investigation of catalytic hydrodeoxygenation of anisole as bio-oil model compound over Ni <sup>2+</sup> /Mo <sup>6+</sup> /TiO <sub>2</sub> and Ni <sup>2+</sup> /TiO <sub>2</sub> catalysts: Synthesis, kinetic, and reaction pathways studies. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1094-1106.	0.9	6
27	Preparation of Metal Oxide-based Oxygen Carriers Supported with CeO <sub>2</sub> and γ-Al <sub>2</sub> O <sub>3</sub> for Chemical Looping Combustion. <i>Chemical Engineering and Technology</i> , 2021, 44, 782-787.	0.9	6
28	A comparative study of dynamic adsorption of anionic synthetic and nanocellulose-based surfactant in Malaysian reservoir. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 311-318.	1.2	4
29	Short-Chain Polyglycerol Production via Microwave-Assisted Solventless Glycerol Polymerization Process Over Lioh-Modified Aluminium Pillared Clay Catalyst: Parametric Study. <i>Processes</i> , 2020, 8, 1093.	1.3	2
30	Catalytic Activity of Intercalated Montmorillonite Clay for Glycerol Conversion to Oligomers via Microwave Irradiation. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2020, 99, 16-19.	0.2	2
31	Effect of combustion and nitrogen gas atmospheres on the torrefaction performance of oil palm frond leaves and stems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022020.	0.3	1
32	Recent Technology Developments in Biogas Production from Waste Materials in Malaysia. <i>ChemBioEng Reviews</i> , 2021, 8, 564-592.	2.6	1
33	Co-pyrolysis of Empty Fruit Bunches with Palm Kernel Shell, Palm Leaves and Sawdust to Produce Fine Chemicals. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 296-302.	0.3	0