

# Mohd Lokman Ibrahim

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,760  
citations

249298

26  
h-index

388640

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Visible-Light-Driven Perovskites Photocatalysis: Design, Modification and Application. Green Chemistry and Sustainable Technology, 2022, , 357-398.	0.4	1
2	Potential heterogeneous nano-catalyst via integrating hydrothermal carbonization for biodiesel production using waste cooking oil. Chemosphere, 2022, 286, 131913.	4.2	30
3	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127767.	2.3	29
4	Bifunctional nano-catalyst produced from palm kernel shell via hydrothermal-assisted carbonization for biodiesel production from waste cooking oil. Renewable and Sustainable Energy Reviews, 2021, 137, 110638.	8.2	48
5	Potential of advanced photocatalytic technology for biodiesel production from waste oil. , 2021, , 49-76.		3
6	Effective Strategies, Mechanisms, and Photocatalytic Efficiency of Semiconductor Nanomaterials Incorporating rGO for Environmental Contaminant Degradation. Catalysts, 2021, 11, 302.	1.6	27
7	Controlled growth of BiFeO <sub>3</sub> nanoparticles in the presence of alginate template for adsorptive removal of different dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126294.	2.3	8
8	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. Chemosphere, 2021, 272, 129653.	4.2	51
9	Immobilization of Potassium-Based Heterogeneous Catalyst over Alumina Beads and Powder Support in the Transesterification of Waste Cooking Oil. Catalysts, 2021, 11, 976.	1.6	4
10	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. Journal of Cleaner Production, 2021, 323, 129015.	4.6	50
11	Step towards the sustainable toxic dyes removal and recycling from aqueous solution- A comprehensive review. Resources, Conservation and Recycling, 2021, 175, 105849.	5.3	152
12	Bifunctional biomass-based catalyst for biodiesel production via hydrothermal carbonization (HTC) pretreatment " Synthesis, characterization and optimization. Chemical Engineering Research and Design, 2021, 156, 219-230.	2.7	10
13	Preparation of Na <sub>2</sub> O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. Energy Conversion and Management, 2020, 205, 112445.	4.4	86
14	A review on influence of reactor technologies and kinetic studies for biodiesel application. Journal of Industrial and Engineering Chemistry, 2020, 91, 54-68.	2.9	54
15	Development of bimetallic nickel-based catalysts supported on activated carbon for green fuel production. RSC Advances, 2020, 10, 37218-37232.	1.7	20
16	Synthesis of bifunctional nanocatalyst from waste palm kernel shell and its application for biodiesel production. RSC Advances, 2020, 10, 27183-27193.	1.7	24
17	Sulfonated SnO <sub>2</sub> nanocatalysts via a self-propagating combustion method for esterification of palm fatty acid distillate. RSC Advances, 2020, 10, 29187-29201.	1.7	13
18	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. Catalysts, 2020, 10, 1260.	1.6	82

#	ARTICLE	IF	CITATIONS
19	Supermagnetic Nano-Bifunctional Catalyst from Rice Husk: Synthesis, Characterization and Application for Conversion of Used Cooking Oil to Biodiesel. <i>Catalysts</i> , 2020, 10, 225.	1.6	43
20	SiO <sub>2</sub> -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , 2020, 13, 986-997.	2.2	29
21	Sustainable Production of Bioenergy. <i>Green Energy and Technology</i> , 2020, , 541-561.	0.4	5
22	Single-Pot Synthesis of Biodiesel using Efficient Sulfonated-Derived Tea Waste-Heterogeneous Catalyst. <i>Materials</i> , 2019, 12, 2293.	1.3	33
23	Esterification of palm fatty acid distillate using sulfonated carbon-based catalyst derived from palm kernel shell and bamboo. <i>Energy Conversion and Management</i> , 2019, 181, 562-570.	4.4	107
24	Kinetic and thermodynamic of heterogeneously K <sub>3</sub> PO <sub>4</sub> /AC-catalysed transesterification via pseudo-first order mechanism and Eyring-Polanyi equation. <i>Fuel</i> , 2018, 232, 653-658.	3.4	48
25	Esterification of high free fatty acids in supercritical methanol using sulfated angel wing shells as catalyst. <i>Journal of Supercritical Fluids</i> , 2017, 124, 1-9.	1.6	28
26	Synthesis and application of waste egg shell derived CaO supported W-Mo mixed oxide catalysts for FAME production from waste cooking oil: Effect of stoichiometry. <i>Energy Conversion and Management</i> , 2017, 151, 216-226.	4.4	55
27	Production of methyl esters from waste cooking oil using a heterogeneous biomass-based catalyst. <i>Renewable Energy</i> , 2017, 114, 638-643.	4.3	34
28	Investigation of heterogeneous solid acid catalyst performance on low grade feedstocks for biodiesel production: A review. <i>Energy Conversion and Management</i> , 2017, 141, 171-182.	4.4	240
29	Synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> /CaO derived from Anadara Granosa for methyl ester production. <i>Energy Conversion and Management</i> , 2016, 126, 124-131.	4.4	50
30	Sub- and supercritical esterification of palm fatty acid distillate with carbohydrate-derived solid acid catalyst. <i>Chemical Engineering Journal</i> , 2016, 284, 872-878.	6.6	47
31	Meso- and macroporous sulfonated starch solid acid catalyst for esterification of palm fatty acid distillate. <i>Arabian Journal of Chemistry</i> , 2016, 9, 179-189.	2.3	63
32	Microwave-Assisted Methyl Ester Production from Palm Fatty Acid Distillate over a Heterogeneous Carbon-Based Solid Acid Catalyst. <i>Chemical Engineering and Technology</i> , 2015, 38, 1837-1844.	0.9	33
33	Production of biodiesel from palm fatty acid distillate using sulfonated-glucose solid acid catalyst: Characterization and optimization. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1857-1864.	1.7	45
34	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. <i>Renewable Energy</i> , 2015, 81, 347-354.	4.3	91
35	Synthesis of Ferric-Manganese Doped Tungstated Zirconia Nanoparticles as Heterogeneous Solid Superacid Catalyst for Biodiesel Production From Waste Cooking Oil. <i>International Journal of Green Energy</i> , 2015, 12, 987-994.	2.1	25
36	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. <i>Journal of Oleo Science</i> , 2014, 63, 849-855.	0.6	27

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37	Carbohydrate-derived Solid Acid Catalysts for Biodiesel Production from Low-Cost Feedstocks: A Review. <i>Catalysis Reviews - Science and Engineering</i> , 2014, 56, 187-219.	5.7	61
38	The Use of Multi-Walled Carbon Nanotubes as Possible Carrier in Drug Delivery System for Aspirin. , 2009, , .		4