

# Mohd Sufri Mastuli

## List of Publications by Year in descending order

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44  
papers

1,245  
citations

430874

18  
h-index

414414

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid-fractionalized biomass material for methylene blue dye removal: a comprehensive adsorption and mechanism study. <i>Journal of Taibah University for Science</i> , 2020, 14, 305-313.	2.5	177
2	Mesoporous Crosslinked Chitosan-Activated Charcoal Composite for the Removal of Thionine Cationic Dye: Comprehensive Adsorption and Mechanism Study. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1095-1105.	5.0	86
3	Physicochemical modification of chitosan with fly ash and tripolyphosphate for removal of reactive red 120 dye: Statistical optimization and mechanism study. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 503-513.	7.5	85
4	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. <i>Catalysts</i> , 2020, 10, 1260.	3.5	82
5	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C <sub>3</sub> N <sub>4</sub> grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 393-407.	5.8	64
6	Growth mechanisms of MgO nanocrystals via a sol-gel synthesis using different complexing agents. <i>Nanoscale Research Letters</i> , 2014, 9, 134.	5.7	56
7	Free-H <sub>2</sub> deoxygenation of <i>Jatropha curcas</i> oil into cleaner diesel-grade biofuel over coconut residue-derived activated carbon catalyst. <i>Journal of Cleaner Production</i> , 2020, 249, 119381.	9.3	51
8	Production of renewable diesel from <i>Jatropha curcas</i> oil via pyrolytic-deoxygenation over various multi-wall carbon nanotube-based catalysts. <i>Chemical Engineering Research and Design</i> , 2020, 142, 336-349.	5.6	48
9	Catalytic gasification of oil palm frond biomass in supercritical water using MgO supported Ni, Cu and Zn oxides as catalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11215-11228.	7.1	47
10	Esterification of palm fatty acid distillate (PFAD) to biodiesel using Bi-functional catalyst synthesized from waste angel wing shell ( <i>Cyrtopleura costata</i> ). <i>Renewable Energy</i> , 2019, 131, 187-196.	8.9	47
11	Effects of Cationic Surfactant in Sol-gel Synthesis of Nano Sized Magnesium Oxide. <i>APCBEE Procedia</i> , 2012, 3, 93-98.	0.5	43
12	Carbonization of corn ( <i>Zea mays</i> ) cob food residue by one-step activation with sulfuric acid for methylene blue adsorption. , 0, 118, 342-351.		39
13	Comparative study on photocatalytic activity of transition metals (Ag and Ni)-doped ZnO nanomaterials synthesized via sol-gel method. <i>Royal Society Open Science</i> , 2020, 7, 191590.	2.4	37
14	Optimization study of SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> supported bifunctional acid-base NiO-CaO for renewable fuel production using response surface methodology. <i>Energy Conversion and Management</i> , 2017, 141, 325-338.	9.2	36
15	Biosorption of methylene blue dye by rice ( <i>Oryza sativa</i> L.) straw: adsorption and mechanism study. , 0, 190, 322-330.		33
16	Adsorption behavior of methylene blue on acid-treated rubber ( <i>Hevea brasiliensis</i> ) leaf. , 0, 124, 297-307.		30
17	SiO <sub>2</sub> -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , 2020, 13, 986-997.	3.9	29
18	Screening of modified CaO-based catalysts with a series of dopants for the supercritical water gasification of empty palm fruit bunches to produce hydrogen. <i>RSC Advances</i> , 2015, 5, 36798-36808.	3.6	26

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19	Synthesis of structured carbon nanorods for efficient hydrogen storage. <i>Materials Letters</i> , 2016, 179, 57-60.	2.6	25
20	Pomegranate peels collected from fresh juice shop as a renewable precursor for high surface area activated carbon with potential application for methylene blue adsorption. , 0, 124, 287-296.		24
21	Progress on Modified Calcium Oxide Derived Waste-Shell Catalysts for Biodiesel Production. <i>Catalysts</i> , 2021, 11, 194.	3.5	22
22	Multivariable optimization with desirability function for carbon porosity and methylene blue adsorption by watermelon rind activated carbon prepared by microwave assisted H <sub>3</sub> PO <sub>4</sub> . <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 577-591.	4.6	21
23	Hematite microcube decorated TiO <sub>2</sub> nanorods as heterojunction photocatalyst with in-situ carbon doping derived from polysaccharides bio-templates hydrothermal carbonization. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153143.	5.5	20
24	Sol-Gel Synthesis of Highly Stable Nano Sized MgO from Magnesium Oxalate Dihydrate. <i>Advanced Materials Research</i> , 0, 545, 137-142.	0.3	16
25	Comparative study between supported and doped MgO catalysts in supercritical water gasification for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3690-3701.	7.1	15
26	Sulfonated SnO <sub>2</sub> nanocatalysts via a self-propagating combustion method for esterification of palm fatty acid distillate. <i>RSC Advances</i> , 2020, 10, 29187-29201.	3.6	13
27	Green Flexible Polyurethane Foam as a Potent Support for Fe-Si Adsorbent. <i>Polymers</i> , 2019, 11, 2011.	4.5	11
28	Box-Behnken Design for Optimizing Synthesis and Adsorption Conditions of Covalently Crosslinked Chitosan/Coal Fly Ash Composite for Reactive Red 120 Dye Removal. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3447-3462.	5.0	10
29	Catalytic supercritical water gasification of oil palm frond biomass using nanosized MgO doped Zn catalysts. <i>Journal of Supercritical Fluids</i> , 2019, 154, 104610.	3.2	9
30	Designing visible-light-driven photocatalyst of Ag <sub>3</sub> PO <sub>4</sub> /CeO <sub>2</sub> for enhanced photocatalytic activity under low light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 415-423.	2.2	8
31	Ni, Zn and Fe hydrotalcite-like catalysts for catalytic biomass compound into green biofuel. <i>Pure and Applied Chemistry</i> , 2020, 92, 587-600.	1.9	8
32	Structural and catalytic studies of Mg <sub>1-x</sub> Ni <sub>x</sub> O nanomaterials for gasification of biomass in supercritical water for H <sub>2</sub> -rich syngas production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33218-33234.	7.1	7
33	Facile synthesis of nanosized La/ZrO <sub>2</sub> catalysts for ketonization of free fatty acid and biomass feedstocks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 217-228.	5.3	7
34	Influence of annealing temperature on the phase transformation of Al <sub>2</sub> O <sub>3</sub> . <i>AIP Conference Proceedings</i> , 2016, , .	0.4	4
35	Mechanism of the formation of novel Al <sub>2</sub> -xHf <sub>x</sub> O <sub>3</sub> materials via a combustion synthesis method. <i>Results in Materials</i> , 2020, 6, 100075.	1.8	4
36	Chemoselective decarboxylation of ceiba oil to diesel-range alkanes over a red mud based catalyst under H <sub>2</sub> -free conditions. <i>RSC Advances</i> , 2022, 12, 16903-16917.	3.6	4

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37	Novel Al <sub>1.997</sub> Hf <sub>0.003</sub> O <sub>3</sub> High- $k$ gate dielectric thin films grown by pulsed laser deposition using pre-synthesized target material. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10927-10942.	2.2	1
38	Conductivities of Titanium Dioxide Obtained via the Sol-Gel Method. <i>Advanced Materials Research</i> , 0, 545, 143-147.	0.3	0
39	MgO Nanostructured Materials Obtained via the Solid-State Reaction Method. <i>Advanced Materials Research</i> , 2014, 895, 347-350.	0.3	0
40	Preface: 4th International Conference on the Advancement of Materials and Nanotechnology. AIP Conference Proceedings, 2017, , .	0.4	0
41	Electrochemical Performance of Mn and Fe Substitution in LiCo <sub>0.9</sub> X <sub>0.1</sub> O <sub>2</sub> Cathode Materials. <i>Solid State Phenomena</i> , 0, 301, 195-201.	0.3	0
42	Photocatalytic activity of transition metals (Mn, Fe, Ag and Ni doped ZnO) nanomaterials synthesised via sol-gel method: Active sites over band gap. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 839, 012006.	0.6	0
43	Catalytic Esterification of Palm Fatty Acid Distillate into Biodiesel Over Sulfonated Iron Oxide Catalyst. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2021, 100, 301-306.	0.2	0
44	Influence of Ti and Fe doping on the structural and electrochemical performance of LiCo <sub>0.6</sub> Ni <sub>0.4</sub> O <sub>2</sub> cathode materials for Li-ion batteries. <i>Ceramics International</i> , 2022, , .	4.8	0