

# Muhammad I Syakir

## List of Publications by Year in descending order

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32  
papers

1,400  
citations

623188

14  
h-index

525886

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2274  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on chitosan-cellulose blends and nanocellulose reinforced chitosan biocomposites: Properties and their applications. <i>Carbohydrate Polymers</i> , 2016, 150, 216-226.	5.1	394
2	A review on nanocellulosic fibres as new material for sustainable packaging: Process and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 64, 823-836.	8.2	210
3	Biodegradable polymer films from seaweed polysaccharides: A review on cellulose as a reinforcement material. <i>EXPRESS Polymer Letters</i> , 2017, 11, 244-265.	1.1	168
4	Seaweed based sustainable films and composites for food and pharmaceutical applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 353-362.	8.2	136
5	A review on sediment microbial fuel cells as a new source of sustainable energy and heavy metal remediation: mechanisms and future prospective. <i>International Journal of Energy Research</i> , 2017, 41, 1242-1264.	2.2	110
6	Nitrate sources and processes in the surface water of a tropical reservoir by stable isotopes and mixing model. <i>Science of the Total Environment</i> , 2020, 700, 134517.	3.9	59
7	Numerical modeling techniques for flood analysis. <i>Journal of African Earth Sciences</i> , 2016, 124, 478-486.	0.9	48
8	Isolation and Characterization of Cellulose Nanofibers from <i>Gigantochloa scortechinii</i> as a Reinforcement Material. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	1.5	42
9	Bionanocomposite based on cellulose nanowhisker from oil palm biomass-filled poly(lactic acid). <i>Polymer Testing</i> , 2015, 48, 133-139.	2.3	32
10	Flame retardancy, Thermal and mechanical properties of Kenaf fiber reinforced Unsaturated polyester/Phenolic composite. <i>Fibers and Polymers</i> , 2016, 17, 902-909.	1.1	29
11	Soil erosion analysis by RUSLE and sediment yield models using remote sensing and GIS in Kelantan state, Peninsular Malaysia. <i>Soil Research</i> , 2018, 56, 356.	0.6	25
12	Multivariate Investigation of Heavy Metals in the Groundwater for Irrigation and Drinking in Garautha Tehsil, Jhansi District, India. <i>Analytical Letters</i> , 2020, 53, 774-794.	1.0	19
13	Sustainable Ecosystem Services Framework for Tropical Catchment Management: A Review. <i>Sustainability</i> , 2017, 9, 546.	1.6	17
14	Water Absorption and Thickness Swelling of Oil Palm Empty Fruit Bunch (OPEFB) and Seaweed Composite for Soil Erosion Mitigation. <i>Journal of Physical Science</i> , 2017, 28, 1-17.	0.5	14
15	Microcrystalline Cellulose from Oil Palm Empty Fruit Bunches as Filler in Polylactic Acid. <i>Polymers and Polymer Composites</i> , 2016, 24, 675-680.	1.0	13
16	SPATIAL ESTIMATION OF AVERAGE DAILY PRECIPITATION USING MULTIPLE LINEAR REGRESSION BY USING TOPOGRAPHIC AND WIND SPEED VARIABLES IN TROPICAL CLIMATE. <i>Journal of Environmental Engineering and Landscape Management</i> , 2018, 26, 299-316.	0.4	11
17	Isotope Constraints on the Aquatic Carbon Budget: Langat Watershed, Malaysia. <i>Aquatic Geochemistry</i> , 2013, 19, 443-475.	1.5	9
18	A comparative study of metal contamination in soil using the borehole method. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 404.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Nanofibrillated cellulose reinforcement in thermoset polymer composites. , 2017, , 1-24.		9
20	Barrier properties of biocomposites/hybrid films. , 2019, , 241-258.		9
21	Cellulosic Pulp Fiber as Reinforcement Materials in Seaweed-Based Film. BioResources, 2016, 12, .	0.5	8
22	Role of dispersion time on the properties of enzymatic-treated bamboo cellulose nanofibers. Materials Research Express, 2018, 5, 105014.	0.8	7
23	Prioritization of Flood Vulnerability Zones Using Remote Sensing and GIS for Hydrological Modelling. Irrigation and Drainage, 2019, 68, 176-190.	0.8	6
24	Development of daily rainfall erosivity model for Kelantan state, Peninsular Malaysia. Hydrology Research, 2018, 49, 1434-1451.	1.1	5
25	Nanoclay Reinforced on Biodegradable Polymer Composites: Potential as a Soil Stabilizer. Engineering Materials, 2016, , 329-356.	0.3	2
26	Worksite element as causes of occupational accidents and illnesses in Malaysian residential construction industry. AIP Conference Proceedings, 2017, , .	0.3	2
27	Design of green laminated composites from agricultural biomass. , 2017, , 291-311.		2
28	ISOTOPIC (d13C AND d15N) VARIATIONS IN TROPICAL RIVER SEDIMENTS OF KELANTAN, MALAYSIA: A RECONNAISSANCE STUDY OF LAND USE IMPACT TO THE WATERSHED. Applied Ecology and Environmental Research, 2017, 15, 1101-1119.	0.2	2
29	Upscaling of Surface Water and Groundwater Interactions in Hyporheic Zone from Local to Regional Scale. Water (Switzerland), 2022, 14, 647.	1.2	2
30	Characterization of aquifer system using electrical resistivity tomography (ERT) and induced polarisation (IP) techniques. IOP Conference Series: Earth and Environmental Science, 2021, 880, 012025.	0.2	1
31	Hydrogen and Oxygen Stable Isotopes of Palm Oil Mill Effluent in Surface Water and Groundwater Water. Journal of Physical Science, 2017, 28, 143-159.	0.5	0
32	Application of Nitrate Stable Isotopes, $\delta^{15}\text{N-NO}_3^-$ and $\delta^{18}\text{O-NO}_3^-$ , in Bukit Merah Reservoir, Malaysia. Journal of Physical Science, 2018, 29, 1-6.	0.5	0