

# Nurul Ekmi Rabat

## List of Publications by Year in descending order

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22  
papers

771  
citations

1040056

9  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on geopolymers as emerging materials for the adsorption of heavy metals and dyes. Journal of Environmental Management, 2018, 224, 327-339.	7.8	301
2	A review on recent developments in the adsorption of surfactants from wastewater. Journal of Environmental Management, 2020, 254, 109797.	7.8	169
3	Fly ash based geopolymer for the adsorption of anionic surfactant from aqueous solution. Journal of Cleaner Production, 2019, 229, 232-243.	9.3	91
4	Efficient Removal of Pb(II) from Aqueous Solutions by Using Oil Palm Bio-Waste/MWCNTs Reinforced PVA Hydrogel Composites: Kinetic, Isotherm and Thermodynamic Modeling. Polymers, 2020, 12, 430.	4.5	51
5	Effect of Different Monomers on Water Retention Properties of Slow Release Fertilizer Hydrogel. Procedia Engineering, 2016, 148, 201-207.	1.2	40
6	Photocatalytic degradation and adsorption of phenol by solvent-controlled TiO <sub>2</sub> nanosheets assisted with H <sub>2</sub> O <sub>2</sub> and FeCl <sub>3</sub> : Kinetic, isotherm and thermodynamic analysis. Journal of Molecular Liquids, 2020, 308, 112941.	4.9	31
7	Release kinetics study and anti-corrosion behaviour of a pH-responsive ionic liquid-loaded halloysite nanotube-doped epoxy coating. RSC Advances, 2020, 10, 13174-13184.	3.6	16
8	Synthesis and characterization of TiO <sub>2</sub> -based nanostructures via fluorine-free solvothermal method for enhancing visible light photocatalytic activity: Experimental and theoretical approach. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 404, 112834.	3.9	13
9	Development of Photo-Fenton oxidation as green strategy for phenol degradation enhancement via DMF-controlled TiO <sub>2</sub> nanotubes under various oxidizing agents. Journal of Environmental Chemical Engineering, 2021, 9, 104933.	6.7	13
10	Enhancement of adsorption and photocatalytic activities of alkaline-based TiO <sub>2</sub> nanotubes for experimental and theoretical investigation under FeCl <sub>3</sub> and H <sub>2</sub> O <sub>2</sub> . Journal of Water Process Engineering, 2021, 39, 101715.	5.6	10
11	Instilling the 4Cs of 21 <sup>st</sup> century skills through integrated project via Cooperative Problem Based Learning (CPBL) for chemical engineering students. , 2017, , .		9
12	Development of <i>Elaeis guineensis</i> /polyvinyl alcohol/carbon nanotube composites for efficient adsorption of dye: Experimental and theoretical approach. International Journal of Environmental Science and Technology, 2022, 19, 6499-6520.	3.5	6
13	Self-healing epoxy coating synthesis by embedment of metal 2-methyl imidazole and acetylacetonate complexes with microcapsules. Chemosphere, 2021, 285, 131492.	8.2	6
14	Synthesis and characterization of oil palm empty fruit bunch-grafted-polyvinyl alcohol (OPEFB-g-PVA) hydrogel for removal of copper ions from aqueous solution. AIP Conference Proceedings, 2017, , .	0.4	3
15	Water Absorbency Properties of OPEFB Filled Hydrogels Composites. Advanced Materials Research, 2014, 980, 18-22.	0.3	2
16	Removal of anionic surfactant sodium dodecylbenzenesulfonate from water using fly ash adsorbent. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012043.	0.6	2
17	Hydrophilic comonomer impact on poly(vinyl alcohol-co-methyl methacrylate) based hydrogel coating. Materials Today: Proceedings, 2020, 31, 54-59.	1.8	2
18	Effect of Oil Palm Empty Fruit Bunch-Grafted-Poly(Acrylic Acid-co-Acrylamide) Hydrogel Preparations on Plant Growth Performance. Key Engineering Materials, 2013, 594-595, 236-239.	0.4	1

#	ARTICLE	IF	CITATIONS
19	The Impact of Student Centred Learning Towards Reinforcement of positive Values Among Chemical Engineering Students. , 2017, , .		1
20	Effects of Na: Al and water: solid ratios on the mechanical properties of fly ash based geopolymer. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012011.	0.6	1
21	Grindability and abrasive behavior of coal blends: analysis and prediction. International Journal of Coal Preparation and Utilization, 2019, , 1-27.	2.1	1
22	One pot biodiesel production from wet Chlorella vulgaris using supercritical methanol with oxide catalysts. AIP Conference Proceedings, 2018, , .	0.4	0