

# Naji Arafat Mahat

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

593  
citations

623188

14  
h-index

610482

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oil Palm ( <i>Elaeis guineensis</i> ) Biomass in Malaysia: The Present and Future Prospects. <i>Waste and Biomass Valorization</i> , 2019, 10, 2099-2117.	1.8	128
2	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. <i>Carbohydrate Polymers</i> , 2017, 176, 281-292.	5.1	58
3	A facile enzymatic synthesis of geranyl propionate by physically adsorbed <i>Candida rugosa</i> lipase onto multi-walled carbon nanotubes. <i>Enzyme and Microbial Technology</i> , 2015, 72, 49-55.	1.6	51
4	Insight into the <i>Rhizomucor miehei</i> lipase supported on chitosan-chitin nanowhiskers assisted esterification of eugenol to eugenyl benzoate. <i>Journal of Biotechnology</i> , 2018, 280, 19-30.	1.9	32
5	<i>Candida rugosa</i> Lipase Immobilized onto Acid-Functionalized Multi-walled Carbon Nanotubes for Sustainable Production of Methyl Oleate. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 967-984.	1.4	31
6	Response surface methodological approach for optimizing production of geranyl propionate catalysed by carbon nanotubes nanobioconjugates. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 732-739.	0.5	27
7	Statistical optimization and operational stability of <i>Rhizomucor miehei</i> lipase supported on magnetic chitosan/chitin nanoparticles for synthesis of pentyl valerate. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 680-695.	3.6	26
8	Synthesis of geranyl propionate in a solvent-free medium using <i>Rhizomucor miehei</i> lipase covalently immobilized on chitosan-graphene oxide beads. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 199-210.	1.0	23
9	Modelling and optimization of <i>Candida rugosa</i> nanobioconjugates catalysed synthesis of methyl oleate by response surface methodology. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 1113-1127.	0.5	21
10	Application of Box-Behnken design for ultrasound-assisted extraction and recycling preparative HPLC for isolation of anthraquinones from <i>Cassia singueana</i> . <i>Phytochemical Analysis</i> , 2019, 30, 101-109.	1.2	20
11	Fungal-Assisted Valorization of Raw Oil Palm Leaves for Production of Cellulase and Xylanase in Solid State Fermentation Media. <i>Waste and Biomass Valorization</i> , 2020, 11, 3133-3149.	1.8	19
12	Toxic metals in <i>Perna viridis</i> mussel and surface seawater in Pasir Gudang coastal area, Malaysia, and its health implications. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30224-30235.	2.7	17
13	Taguchi orthogonal design assisted immobilization of <i>Candida rugosa</i> lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability. <i>Cellulose</i> , 2021, 28, 5669.	2.4	15
14	Novel Safranin-Tinted <i>Candida rugosa</i> Lipase Nanoconjugates Reagent for Visualizing Latent Fingerprints on Stainless Steel Knives Immersed in a Natural Outdoor Pond. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1576.	1.8	14
15	The Psychology of Murder Concealment Acts. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3113.	1.2	11
16	A statistical approach for optimizing the protocol for overexpressing lipase KV1 in <i>Escherichia coli</i> : purification and characterization. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 69-87.	0.5	11
17	Relevant visualization technologies for latent fingerprints on wet objects and its challenges: a review. <i>Egyptian Journal of Forensic Sciences</i> , 2019, 9, .	0.4	10
18	Capillary electrophoresis for the analysis of antidepressant drugs: A review. <i>Journal of Separation Science</i> , 2019, 42, 906-924.	1.3	9

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19	Characterisation and computational analysis of a novel lipase nanobio-based reagent for visualising latent fingerprints on water-immersed glass slides. <i>Process Biochemistry</i> , 2020, 96, 102-112.	1.8	9
20	Antioxidant Activity Evaluation of FlexirubinType Pigment from <i>Chryseobacterium artocarpi</i> CECT 8497 and Related Docking Study. <i>Molecules</i> , 2021, 26, 979.	1.7	9
21	Ternary Blended Chitosan/Chitin/ $\text{Fe}_3\text{O}_4$ Nanosupport for Lipase Activation and Stabilization. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 6327-6337.	1.7	8
22	Biophysical characterization of a recombinant lipase KV1 from <i>Acinetobacter haemolyticus</i> in relation to pH and temperature. <i>Biochimie</i> , 2018, 152, 198-210.	1.3	7
23	Laser-induced breakdown spectroscopy (LIBS) for printing ink analysis coupled with principle component analysis (PCA). <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6
24	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. <i>Carbohydrate Polymers</i> , 2020, 245, 116549.	5.1	6
25	Boxâ€œBehnken design optimisation of a green novel nanobio-based reagent for rapid visualisation of latent fingerprints on wet, non-porous substrates. <i>Biotechnology Letters</i> , 2021, 43, 881-898.	1.1	6
26	Counterfeit one hundred Malaysian ringgit banknotes discrimination using chemical imaging inspection and pattern recognition. <i>Australian Journal of Forensic Sciences</i> , 2022, 54, 695-709.	0.7	5
27	Development of gambir powder as a cheap and green fingerprint powder for forensic applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
28	Occurrence of heavy metals and their removal in <i>Perna viridis</i> mussels using chemical methods: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4803-4821.	2.7	4
29	Potassium triiodide enhanced multi-walled carbon nanotubes supported lipase for expediting a greener forensic visualization of wetted fingerprints. <i>Chemical Papers</i> , 2021, 75, 1401-1412.	1.0	3
30	Counterfeit fifty Ringgit Malaysian banknotes authentication using novel graph-based chemometrics method. <i>Scientific Reports</i> , 2022, 12, 4826.	1.6	3
31	Composition and life cycles of necrophagous flies infesting wrapped and unwrapped rabbit carcasses in Johor for forensic applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
32	Recovery of human DNA from canine teeth exposed to direct heating of 300 Â°C at varying durations for forensic identification. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0