

# Roswanira Abdul Wahab

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

2,595  
citations

24  
h-index

46  
g-index

149  
ext. papers

3,226  
ext. citations

3.2  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
136	Formulation of a stable water-in-oil nanoemulsion rich in anti-diabetic components of the roselle extract for controlled release. <i>Chemical Papers</i> , <b>2022</b> , 76, 2341	1.9	0
135	The Emergence and Impact of Ethylene Scavengers Techniques in Delaying the Ripening of Fruits and Vegetables.. <i>Membranes</i> , <b>2022</b> , 12,	3.8	1
134	Physicochemical properties and operational stability of Taguchi design-optimized <i>Candida rugosa</i> lipase supported on biogenic silica/magnetite/graphene oxide for ethyl valerate synthesis. <i>Advanced Powder Technology</i> , <b>2022</b> , 33, 103374	4.6	2
133	Molecular interactions of trichoderma $\beta$ 1,4-glucosidase (ThBglT12) with mycelial cell wall components of phytopathogenic .. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2022</b> , 1-17	3.6	
132	Recent advances and future prospects in topical creams from medicinal plants to expedite wound healing: a review. <i>Biotechnology and Biotechnological Equipment</i> , <b>2022</b> , 36, 81-93	1.6	2
131	Exploring the genome of spp. Sy-1 isolated from honey.. <i>PeerJ</i> , <b>2022</b> , 10, e13053	3.1	
130	Ananas comosus Peels Extract as a New Natural Cosmetic Ingredient: Oil-in-Water (O/W) Topical Nano Cream Stability and Safety Evaluation. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2022</b> , 2022, 1-9	2.3	1
129	Operational Stability, Regenerability, and Thermodynamics Studies on Biogenic Silica/Magnetite/Graphene Oxide Nanocomposite-Activated Lipase. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
128	analysis of a putative dehalogenase from the genome of halophilic bacterium AAD6T. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-17	3.6	0
127	Thermodynamic stability, in-vitro permeability, and in-silico molecular modeling of the optimal <i>Elaeis guineensis</i> leaves extract water-in-oil nanoemulsion. <i>Scientific Reports</i> , <b>2021</b> , 11, 20851	4.9	3
126	Genomic characterization of a dehalogenase-producing bacterium ( <i>Bacillus megaterium</i> H2) isolated from hypersaline Lake Tuz (Turkey). <i>Gene Reports</i> , <b>2021</b> , 25, 101381	1.4	0
125	Whole genome strategies and bioremediation insight into dehalogenase-producing bacteria. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 2687-2701	2.8	5
124	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> , <b>2021</b> , 28, 5669	5.5	10
123	assessment of dehalogenase from H2 in relation to its salinity-stability and pollutants degradation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-15	3.6	4
122	Molecular docking and molecular dynamics simulations studies on $\beta$ glucosidase and xylanase to predict degradation order of cellulosic components in oil palm leaves for nanocellulose preparation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 2628-2641	3.6	12
121	Molecular docking and molecular dynamics simulations of a mutant alkaline-stable lipase against tributyrin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 2079-2091	3.6	10
120	Functional profiling of bacterial communities in Lake Tuz using 16S rRNA gene sequences. <i>Biotechnology and Biotechnological Equipment</i> , <b>2021</b> , 35, 1-10	1.6	9

119	Potassium triiodide enhanced multi-walled carbon nanotubes supported lipase for expediting a greener forensic visualization of wetted fingerprints. <i>Chemical Papers</i> , <b>2021</b> , 75, 1401-1412	1.9	1
118	Potassium Alum [KAl(SO) <sub>4</sub> ·2H <sub>2</sub> O] solid catalyst for effective and selective methoxylation production of alpha-pinene ether products. <i>Heliyon</i> , <b>2021</b> , 7, e06058	3.6	2
117	The role of bioactive phytoconstituents-loaded nanoemulsions for skin improvement: a review. <i>Biotechnology and Biotechnological Equipment</i> , <b>2021</b> , 35, 711-729	1.6	7
116	Box-Behnken design optimisation of a green novel nanobio-based reagent for rapid visualisation of latent fingerprints on wet, non-porous substrates. <i>Biotechnology Letters</i> , <b>2021</b> , 43, 881-898	3	1
115	Ternary biogenic silica/magnetite/graphene oxide composite for the hyperactivation of <i>Candida rugosa</i> lipase in the esterification production of ethyl valerate. <i>Enzyme and Microbial Technology</i> , <b>2021</b> , 148, 109807	3.8	5
114	Performance of <i>Candida rugosa</i> lipase supported on nanocellulose-silica-reinforced polyethersulfone membrane for the synthesis of pentyl valerate: Kinetic, thermodynamic and regenerability studies. <i>Molecular Catalysis</i> , <b>2021</b> , 514, 111852	3.3	3
113	Determination of Cadmium Ions Using Schiff-Base Modified Carbon Paste Electrode: A Box-Behnken Design Approach. <i>Solid State Phenomena</i> , <b>2020</b> , 307, 231-246	0.4	1
112	Molecular simulation on the stability and adsorption properties of choline-based ionic liquids/IRMOF-1 hybrid composite for selective HS/CO capture. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 123008	12.8	8
111	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. <i>Carbohydrate Polymers</i> , <b>2020</b> , 245, 116549	10.3	5
110	Characterisation and computational analysis of a novel lipase nanobio-based reagent for visualising latent fingerprints on water-immersed glass slides. <i>Process Biochemistry</i> , <b>2020</b> , 96, 102-112	4.8	3
109	Robust Magnetized Oil Palm Leaves Ash Nanosilica Composite as Lipase Support: Immobilization Protocol and Efficacy Study. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 192, 585-599	3.2	3
108	Alternative Bioremediation Agents against Haloacids, Haloacetates and Chlorpyrifos Using Novel Halogen-Degrading Bacterial Isolates from the Hypersaline Lake Tuz. <i>Catalysts</i> , <b>2020</b> , 10, 651	4	10
107	Population data of 21 autosomal STR loci in Malaysian populations for human identification. <i>International Journal of Legal Medicine</i> , <b>2020</b> , 134, 1675-1678	3.1	2
106	Fluorescence and Molecular Simulation Studies on the Interaction between Imidazolium-Based Ionic Liquids and Calf Thymus DNA. <i>Processes</i> , <b>2020</b> , 8, 13	2.9	4
105	Ultrasonic-Assisted Extraction of Phalerin from <i>Phaleria macrocarpa</i> : Response Surface Methodology and Artificial Neural Network Modelling. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 7635-7644	2.5	1
104	Haloacid dehalogenases of <i>Rhizobium</i> sp. and related enzymes: Catalytic properties and mechanistic analysis. <i>Process Biochemistry</i> , <b>2020</b> , 92, 437-446	4.8	9
103	Taguchi design-assisted immobilization of <i>Candida rugosa</i> lipase onto a ternary alginate/nanocellulose/montmorillonite composite: Physicochemical characterization, thermal stability and reusability studies. <i>Enzyme and Microbial Technology</i> , <b>2020</b> , 136, 109506	3.8	13
102	Design and molecular modelling of phenolic-based protic ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 308, 113062	6	3

101	On the taught new tricks of enzymes immobilization: An all-inclusive overview. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 152, 104613	4.6	90
100	Effects of pre and post-ozonation on POFA hollow fibre ceramic adsorptive membrane for arsenic removal in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 110, 100-111	5.3	7
99	STATISTICAL OPTIMIZATION AND CHARACTERIZATION OF ACOUSTICALLY EXTRACTED ANANAS COMOSUS PEEL POWDER WITH ENHANCED ANTIOXIDANT CAPACITY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2020</b> , 82,	1.2	2
98	Nanocellulose and nanoclay as reinforcement materials in polymer composites: A review. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2020</b> , 16, 145-153	2.1	5
97	Coumarin-Oxadiazole Derivatives: Synthesis and Pharmacological Properties. <i>Mini-Reviews in Organic Chemistry</i> , <b>2020</b> , 17, 780-794	1.7	2
96	Psoralen Derivatives: Recent Advances of Synthetic Strategy and Pharmacological Properties. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , <b>2020</b> , 19, 222-239	2	6
95	Further Analysis of Burkholderia pseudomallei MF2 and Identification of Putative Dehalogenase Gene by PCR. <i>Indonesian Journal of Chemistry</i> , <b>2020</b> , 20, 386	1.5	3
94	Optimizing Ammonia Removal from Landfill Leachate Using Natural and Synthetic Zeolite Through Statically Designed Experiment. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 3657-3669	2.5	3
93	Chemically modified nanoparticles from oil palm ash silica-coated magnetite as support for Candida rugosa lipase-catalysed hydrolysis: kinetic and thermodynamic studies. <i>Chemical Papers</i> , <b>2020</b> , 74, 1253-1265	1.9	6
92	Optimization studies on cellulase and xylanase production by Rhizopus oryzae UC2 using raw oil palm frond leaves as substrate under solid state fermentation. <i>Renewable Energy</i> , <b>2020</b> , 156, 1301-1312	8.1	33
91	Dehalogenase-producing halophiles and their potential role in bioremediation. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 160, 111603	6.7	12
90	Morphological alterations in gram-positive and gram-negative bacteria exposed to minimal inhibitory and bactericidal concentration of raw Malaysian stingless bee honey. <i>Biotechnology and Biotechnological Equipment</i> , <b>2020</b> , 34, 575-586	1.6	2
89	Optimization of oil-in-water nanoemulsion system of Ananas comosus peels extract by D-optimal mixture design and its physicochemical properties. <i>Journal of Dispersion Science and Technology</i> , <b>2020</b> , 1-14	1.5	3
88	D-optimal design-assisted Elaeis guineensis leaves extract in olive oil-sunflower seed nanoemulsions: development, characterization, and physical stability. <i>Journal of Dispersion Science and Technology</i> , <b>2020</b> , 1-13	1.5	6
87	Progress of Interfacial Polymerization Techniques for Polyamide Thin Film (Nano)Composite Membrane Fabrication: A Comprehensive Review. <i>Polymers</i> , <b>2020</b> , 12,	4.5	36
86	Towards an eco-friendly deconstruction of agro-industrial biomass and preparation of renewable cellulose nanomaterials: A review. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 1414-1430	7.8	25
85	Effect of storage on viability of lactic acid bacteria and nutritional stability of raw Malaysian Heterotrigona itama honey. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1567, 032039	0.3	
84	Molecular docking and molecular dynamics simulation of dehalogenase against haloacids, haloacetates and chlorpyrifos. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-16	3.6	14

83	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> , <b>2020</b> , 11, 3133-3149	3.2	10
82	Arsenic adsorption mechanism on palm oil fuel ash (POFA) powder suspension. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121214	12.8	22
81	Extraction and Characterization of Nanocellulose from Raw Oil Palm Leaves ( <i>Elaeis guineensis</i> ). <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 175-186	2.5	18
80	mutation on a mutant lipase from towards enhancing alkaline stability. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 4493-4507	3.6	8
79	Substrate docking and molecular dynamic simulation for prediction of fungal enzymes from species-assisted extraction of nanocellulose from oil palm leaves. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 4246-4258	3.6	6
78	Biodegradation of 3-chloropropionic acid (3-CP) by WH2 and its enzyme-substrate docking analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3432-3441	3.6	7
77	Haloadaptation: insights from comparative modeling studies between halotolerant and non-halotolerant dehalogenases. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3452-3461	3.6	7
76	Relevant visualization technologies for latent fingerprints on wet objects and its challenges: a review. <i>Egyptian Journal of Forensic Sciences</i> , <b>2019</b> , 9,	1.1	6
75	Ultrasound-assisted extraction of polyphenols from pineapple skin <b>2019</b> ,		4
74	An overview of nanoemulsion: concepts of development and cosmeceutical applications. <i>Biotechnology and Biotechnological Equipment</i> , <b>2019</b> , 33, 779-797	1.6	95
73	The mechanistic role of active site residues in non-stereo haloacid dehalogenase E (DehE). <i>Journal of Molecular Graphics and Modelling</i> , <b>2019</b> , 90, 219-225	2.8	8
72	Raw oil palm frond leaves as cost-effective substrate for cellulase and xylanase productions by <i>Trichoderma asperellum</i> UC1 under solid-state fermentation. <i>Journal of Environmental Management</i> , <b>2019</b> , 243, 206-217	7.9	35
71	Potential anti-viral compounds from Malaysian Plant Natural Product Repository and Database (MyNature50000) for DENV2. <i>Biotechnology and Biotechnological Equipment</i> , <b>2019</b> , 33, 379-389	1.6	3
70	Detection techniques for adulterants in honey: Challenges and recent trends. <i>Journal of Food Composition and Analysis</i> , <b>2019</b> , 80, 16-32	4.1	45
69	Effect of operative variables and kinetic study of butyl butyrate synthesis by <i>Candida rugosa</i> lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 130, 109367	3.8	13
68	Theoretical analyses on enantiospecificity of L-2-haloacid dehalogenase (DehL) from <i>Rhizobium</i> sp. RC1 towards 2-chloropropionic acid. <i>Journal of Molecular Graphics and Modelling</i> , <b>2019</b> , 92, 131-139	2.8	4
67	Statistical Modelling of Ultrasonic-Aided Extraction of <i>Elaeis guineensis</i> Leaves for Better-Quality Yield and Total Phenolic Content. <i>Indonesian Journal of Chemistry</i> , <b>2019</b> , 19, 811	1.5	2
66	Effect of Glutaraldehyde Concentration on Catalytic Efficacy of <i>Candida rugosa</i> Lipase Immobilized onto Silica from Oil Palm Leaves. <i>Indonesian Journal of Chemistry</i> , <b>2019</b> , 19, 1043	1.5	5

65	Ternary Blended Chitosan/Chitin/(hbox {FE}_{3}hbox {O}_{4}) Nanosupport for Lipase Activation and Stabilization. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 6327-6337	2.5	6
64	Proximate analysis and bioactivity study on acoustically isolated <i>Elaeis guineensis</i> leaves extract <b>2019</b> ,		2
63	Capillary electrophoresis for the analysis of antidepressant drugs: A review. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 906-924	3.4	4
62	Laser-induced breakdown spectroscopy unified partial least squares regression: An easy and speedy strategy for predicting Ca, Mg and Na content in honey. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 136, 1-10	4.6	15
61	Efficacy and cost study of green fungicide formulated from crude beta-glucosidase. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 4503-4518	3.3	3
60	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> , <b>2019</b> , 30, 101-109	3.4	9
59	Oil Palm ( <i>Elaeis guineensis</i> ) Biomass in Malaysia: The Present and Future Prospects. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 2099-2117	3.2	78
58	Characterization, optimization and stability studies on <i>Candida rugosa</i> lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 306-316	7.9	33
57	Identification of <i>Lactobacillus</i> spp. and <i>Fructobacillus</i> spp. isolated from fresh <i>Heterotrigona itama</i> honey and their antagonistic activities against clinical pathogenic bacteria. <i>Journal of Apicultural Research</i> , <b>2018</b> , 57, 395-405	2	17
56	Homology modelling and in silico substrate-binding analysis of a <i>Rhizobium</i> sp. RC1 haloalkanoic acid permease. <i>Biotechnology and Biotechnological Equipment</i> , <b>2018</b> , 32, 339-349	1.6	3
55	A simple approach for rapid detection and quantification of adulterants in stingless bees ( <i>Heterotrigona itama</i> ) honey. <i>Food Research International</i> , <b>2018</b> , 105, 453-460	7	30
54	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> , <b>2018</b> , 115, 680-695	7.9	19
53	Estimation of stature from hand and handprint measurements in Iban population in Sarawak, Malaysia and its applications in forensic investigation. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2018</b> , 53, 35-45	1.7	14
52	Enzymatic esterification of eugenol and benzoic acid by a novel chitosan-chitin nanowhiskers supported <i>Rhizomucor miehei</i> lipase: Process optimization and kinetic assessments. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 108, 42-52	3.8	31
51	In silico and empirical approaches toward understanding the structural adaptation of the alkaline-stable lipase KV1 from <i>Acinetobacter haemolyticus</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 3077-3093	3.6	15
50	Extraction of nanosilica from oil palm leaves and its application as support for lipase immobilization. <i>Journal of Biotechnology</i> , <b>2018</b> , 283, 81-96	3.7	20
49	Enzymatic synthesis of butyl butyrate by <i>Candida rugosa</i> lipase supported on magnetized-nanosilica from oil palm leaves: Process optimization, kinetic and thermodynamic study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 91, 105-118	5.3	22
48	Biophysical characterization of a recombinant lipase KV1 from <i>Acinetobacter haemolyticus</i> in relation to pH and temperature. <i>Biochimie</i> , <b>2018</b> , 152, 198-210	4.6	5

47	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> , <b>2018</b> , 25, 30224-30235	5.1	8
46	Assessment of fatty acid composition and response surface optimization of ultrasonic-assisted extraction of phenolic compounds from <i>Pouteria campechiana</i> pulp. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2018</b> , 14, 269-277	2.1	6
45	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> , <b>2018</b> , 32, 69-87	1.6	9
44	Accurate evaluation of sugar contents in stingless bee ( <i>Heterotrigona itama</i> ) honey using a swift scheme. <i>Journal of Food Composition and Analysis</i> , <b>2018</b> , 66, 46-54	4.1	12
43	Rhizomucor miehei lipase immobilized on reinforced chitosan-chitin nanowhiskers support for synthesis of eugenyl benzoate. <i>Preparative Biochemistry and Biotechnology</i> , <b>2018</b> , 48, 92-102	2.4	14
42	Synthesis and characterization of mesoporous silica nanoparticles using ionic liquids as a template. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1123, 012068	0.3	8
41	An overview of cosmeceutically relevant plant extracts and strategies for extraction of plant-based bioactive compounds. <i>Food and Bioproducts Processing</i> , <b>2018</b> , 112, 69-85	4.9	46
40	Novel Safranin-Tinted Lipase Nanoconjugates Reagent for Visualizing Latent Fingerprints on Stainless Steel Knives Immersed in a Natural Outdoor Pond. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	9
39	Insight into the Rhizomucor miehei lipase supported on chitosan-chitin nanowhiskers assisted esterification of eugenol to eugenyl benzoate. <i>Journal of Biotechnology</i> , <b>2018</b> , 280, 19-30	3.7	25
38	Synthesis of geranyl propionate in a solvent-free medium using Rhizomucor miehei lipase covalently immobilized on chitosan-graphene oxide beads. <i>Preparative Biochemistry and Biotechnology</i> , <b>2017</b> , 47, 199-210	2.4	20
37	In silico characterization of a novel dehalogenase (DehHX) from the halophile <i>Pseudomonas halophila</i> HX isolated from Tuz Gölü Lake, Turkey: insights into a hypersaline-adapted dehalogenase. <i>Annals of Microbiology</i> , <b>2017</b> , 67, 371-382	3.2	24
36	A STATISTICAL APPROACH FOR OPTIMIZING THE HIGH YIELD GREEN PRODUCTION OF THE FLAVOR ESTER BUTYL BUTYRATE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2017</b> , 79,	1.2	1
35	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. <i>Carbohydrate Polymers</i> , <b>2017</b> , 176, 281-292	10.3	50
34	Deciphering the catalytic amino acid residues of L-2-haloacid dehalogenase (DehL) from <i>Rhizobium</i> sp. RC1: An in silico analysis. <i>Computational Biology and Chemistry</i> , <b>2017</b> , 70, 125-132	3.6	8
33	Enzymatic breakdown of lignocellulosic biomass: the role of glycosyl hydrolases and lytic polysaccharide monoxygenases. <i>Biotechnology and Biotechnological Equipment</i> , <b>2017</b> , 1-16	1.6	17
32	Optimization of cultivation conditions in banana wastes for production of extracellular $\beta$ -glucosidase by <i>Trichoderma harzianum</i> Rifai efficient for in vitro inhibition of <i>Macrophomina phaseolina</i> . <i>Biotechnology and Biotechnological Equipment</i> , <b>2017</b> , 31, 921-934	1.6	4
31	Multi-template homology-based structural model of L-2-haloacid dehalogenase (DehL) from <i>Rhizobium</i> sp. RC1. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 3285-3296	3.6	12
30	Insights into the physicochemical properties of the Malaysian oil palm leaves as an alternative source of industrial materials and bioenergy. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2017</b> , 13, 623-631	2.1	13

29	Facile modulation of enantioselectivity of thermophilic <i>Geobacillus zalihae</i> lipase by regulating hydrophobicity of its Q114 oxyanion. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 93-94, 174-181	3.8	7
28	Halophiles: biology, adaptation, and their role in decontamination of hypersaline environments. <i>World Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 32, 135	4.4	74
27	Evaluation of <i>Trichoderma</i> isolates as potential biological control agent against soybean charcoal rot disease caused by <i>Macrophomina phaseolina</i> . <i>Biotechnology and Biotechnological Equipment</i> , <b>2016</b> , 30, 479-488	1.6	32
26	Patterns of oviposition and development of <i>Chrysomya megacephala</i> (Fabricius) (Diptera: Calliphoridae) and <i>Chrysomya rufifacies</i> (Macquart) (Diptera: Calliphoridae) on burned rabbit carcasses. <i>Forensic Science International</i> , <b>2016</b> , 260, 9-13	2.6	5
25	Statistical modelling of eugenol benzoate synthesis using <i>Rhizomucor miehei</i> lipase reinforced nanobioconjugates. <i>Process Biochemistry</i> , <b>2016</b> , 51, 249-262	4.8	31
24	l-2-Haloacid dehalogenase (DehL) from <i>Rhizobium</i> sp. RC1. <i>SpringerPlus</i> , <b>2016</b> , 5, 695		16
23	Characterization of an $\beta$ -haloalkanoic acid-degrading <i>Pseudomonas aeruginosa</i> MX1 isolated from contaminated seawater. <i>Bioremediation Journal</i> , <b>2016</b> , 20, 89-97	2.3	7
22	An overview of technologies for immobilization of enzymes and surface analysis techniques for immobilized enzymes. <i>Biotechnology and Biotechnological Equipment</i> , <b>2015</b> , 29, 205-220	1.6	773
21	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> , <b>2015</b> , 72, 49-55	3.8	45
20	Simple adsorption of <i>Candida rugosa</i> lipase onto multi-walled carbon nanotubes for sustainable production of the flavor ester geranyl propionate. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 32, 99-108	6.3	45
19	Modelling and optimization of <i>Candida rugosa</i> nanobioconjugates catalysed synthesis of methyl oleate by response surface methodology. <i>Biotechnology and Biotechnological Equipment</i> , <b>2015</b> , 29, 1113-1127	1.6	17
18	Sustainable production of the emulsifier methyl oleate by <i>Candida rugosa</i> lipase nanoconjugates. <i>Food and Bioprocess Processing</i> , <b>2015</b> , 96, 211-220	4.9	23
17	<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> , <b>2015</b> , 177, 967-84	3.2	28
16	Comparative diversity and heavy metal biosorption of myxomycetes from forest patches on ultramafic and volcanic soils. <i>Chemistry and Ecology</i> , <b>2015</b> , 31, 741-753	2.3	9
15	Response surface methodological approach for optimizing production of geranyl propionate catalysed by carbon nanotubes nanobioconjugates. <i>Biotechnology and Biotechnological Equipment</i> , <b>2015</b> , 29, 732-739	1.6	22
14	Development of a catalytically stable and efficient lipase through an increase in hydrophobicity of the oxyanion residue. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 122, 282-288		6
13	Identification of functional residues essential for dehalogenation by the non-stereospecific $\beta$ -haloalkanoic acid dehalogenase from <i>Rhizobium</i> sp. RC1. <i>Journal of Basic Microbiology</i> , <b>2015</b> , 55, 324-30	2.7	11
12	An S188V mutation alters substrate specificity of non-stereospecific $\beta$ -haloalkanoic acid dehalogenase E (DehE). <i>PLoS ONE</i> , <b>2015</b> , 10, e0121687	3.7	11

11	Interactions of non-natural halogenated substrates with D-specific dehalogenase (DehD) mutants using studies. <i>Biotechnology and Biotechnological Equipment</i> , <b>2014</b> , 28, 949-957	1.6	3
10	Insights into the stereospecificity of the d-specific dehalogenase from sp. RC1 toward d- and l-2-chloropropionate. <i>Biotechnology and Biotechnological Equipment</i> , <b>2014</b> , 28, 608-615	1.6	9
9	Enzymatic production of a solvent-free menthyl butyrate via response surface methodology catalyzed by a novel thermostable lipase from. <i>Biotechnology and Biotechnological Equipment</i> , <b>2014</b> , 28, 1065-1072	1.6	24
8	Manipulation of the conformation and enzymatic properties of T1 lipase by site-directed mutagenesis of the protein core. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 612-20	3.2	7
7	Combination of oxyanion Gln114 mutation and medium engineering to influence the enantioselectivity of thermophilic lipase from <i>Geobacillus zalihae</i> . <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 11666-80	6.3	17
6	Engineering catalytic efficiency of thermophilic lipase from <i>Geobacillus zalihae</i> by hydrophobic residue mutation near the catalytic pocket. <i>Advances in Bioscience and Biotechnology (Print)</i> , <b>2012</b> , 03, 158-167	0.9	16
5	Cloning and DNA Sequence Analysis of the Haloalkanoic Permease Uptake Gene from <i>Rhizobium</i> sp. RC1. <i>Biotechnology</i> , <b>2010</b> , 9, 319-325	0.1	9
4	Degradation of 3-chloropropionic acid (3CP) by <i>Pseudomonas</i> sp. B6P isolated from a rice paddy field. <i>Annals of Microbiology</i> , <b>2009</b> , 59, 447-451	3.2	25
3	Biodegradation of Monochloroacetic Acid by a Presumptive <i>Pseudomonas</i> sp. Strain R1 Bacterium Isolated from Malaysian Paddy (Rice) Field. <i>Biotechnology</i> , <b>2008</b> , 7, 481-486	0.1	10
2	Assessments on the catalytic and kinetic properties of beta-glucosidase isolated from a highly efficient antagonistic fungus <i>Trichoderma harzianum</i> . <i>Bioscience Journal</i> , 830-847	2	2
1	Formulation of roselle extract water-in-oil nanoemulsion for controlled pulmonary delivery. <i>Journal of Dispersion Science and Technology</i> , 1-12	1.5	1