

Farah Diba Abu Bakar

List of Publications by Year in descending order

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47
papers

433
citations

687363

13
h-index

888059

17
g-index

50
all docs

50
docs citations

50
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Glaciozyma antarctica</i> genome reveals an array of systems that provide sustained responses towards temperature variations in a persistently cold habitat. <i>PLoS ONE</i> , 2018, 13, e0189947.	2.5	45
2	Biochemical and structural characterization of a novel cold-active esterase-like protein from the psychrophilic yeast <i>Glaciozyma antarctica</i> . <i>Extremophiles</i> , 2018, 22, 607-616.	2.3	24
3	Molecular cloning, expression and characterisation of Afp4, an antifreeze protein from <i>Glaciozyma antarctica</i> . <i>Polar Biology</i> , 2014, 37, 1495-1505.	1.2	23
4	Entrapment of porous cross-linked enzyme aggregates of maltogenic amylase from <i>Bacillus lehensis G1</i> into calcium alginate for maltooligosaccharides synthesis. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 80-89.	7.5	23
5	Protein engineering of GH11 xylanase from <i>Aspergillus fumigatus</i> RT-1 for catalytic efficiency improvement on kenaf biomass hydrolysis. <i>Enzyme and Microbial Technology</i> , 2019, 131, 109383.	3.2	17
6	Novel cross-linked enzyme aggregates of levanase from <i>Bacillus lehensis G1</i> for short-chain fructooligosaccharides synthesis: Developmental, physicochemical, kinetic and thermodynamic properties. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 577-589.	7.5	17
7	Structure Prediction of a Novel Exo- β -1,3-Glucanase: Insights into the Cold Adaptation of Psychrophilic Yeast <i>Glaciozyma antarctica</i> PI12. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 157-168.	3.6	16
8	Development of a <i>pyrG</i> Mutant of <i>Aspergillus oryzae</i> Strain S1 as a Host for the Production of Heterologous Proteins. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	2.1	15
9	Functional characterisation and product specificity of Endo- β -1,3-glucanase from alkalophilic bacterium, <i>Bacillus lehensis G1</i> . <i>Enzyme and Microbial Technology</i> , 2020, 140, 109625.	3.2	15
10	Review Update on the Life Cycle, Plant-Microbe Interaction, Genomics, Detection and Control Strategies of the Oil Palm Pathogen <i>Ganoderma boninense</i> . <i>Biology</i> , 2022, 11, 251.	2.8	15
11	Computational docking, molecular dynamics simulation and subsite structure analysis of a maltogenic amylase from <i>Bacillus lehensis G1</i> provide insights into substrate and product specificity. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 67, 1-13.	2.4	14
12	Unravelling the adaptation strategies employed by <i>Glaciozyma antarctica</i> PI12 on Antarctic sea ice. <i>Marine Environmental Research</i> , 2018, 137, 169-176.	2.5	14
13	Functional characterisation of cellobiohydrolase I (Cbh1) from <i>Trichoderma virens</i> UKM1 expressed in <i>Aspergillus niger</i> . <i>Protein Expression and Purification</i> , 2019, 154, 52-61.	1.3	14
14	Large-Scale Production of <i>Glaciozyma antarctica</i> Antifreeze Protein 1 (Afp1) by Fed-Batch Fermentation of <i>Pichia pastoris</i> . <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 133-141.	3.0	13
15	Reduction of Extracellular Proteases Increased Activity and Stability of Heterologous Protein in <i>Aspergillus niger</i> . <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 3327-3338.	3.0	13
16	Expression and characterization of <i>Trichoderma virens</i> UKM-1 endochitinase in <i>Escherichia coli</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 561-572.	3.6	11
17	A comparative genomic analysis of the alkali-tolerant soil bacterium <i>Bacillus lehensis G1</i> . <i>Gene</i> , 2014, 545, 253-261.	2.2	10
18	Thermotolerance and molecular chaperone function of an SGT1-like protein from the psychrophilic yeast, <i>Glaciozyma antarctica</i> . <i>Cell Stress and Chaperones</i> , 2016, 21, 707-715.	2.9	10

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19	Secretome analysis of alkaliphilic bacterium <i>Bacillus lehensis</i> G1 in response to pH changes. <i>Microbiological Research</i> , 2018, 215, 46-54.	5.3	9
20	In-Silico Characterization of Glycosyl Hydrolase Family 1 β -Glucosidase from <i>Trichoderma asperellum</i> UPM1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4035.	4.1	9
21	Expression and characterization of a cellobiohydrolase (CBH7B) from the thermophilic fungus <i>Thielavia terrestris</i> in <i>Pichia pastoris</i> . <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 690-698.	3.1	8
22	Cloning, Production and Characterization of a Glycoside Hydrolase Family 7 Enzyme from the Gut Microbiota of the Termite <i>Coptotermes curvignathus</i> . <i>Molecular Biotechnology</i> , 2017, 59, 271-283.	2.4	8
23	Transcriptome datasets of oil palm pathogen <i>Ganoderma boninense</i> . <i>Data in Brief</i> , 2018, 17, 1108-1111.	1.0	8
24	Expression of xylanase on <i>Escherichia coli</i> using a truncated ice nucleation protein of <i>Erwinia ananas</i> (InaA). <i>Process Biochemistry</i> , 2019, 78, 25-32.	3.7	8
25	Crystal structure of fuculose aldolase from the Antarctic psychrophilic yeast <i>Glaciozyma antarctica</i> PI12. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 831-839.	0.8	7
26	Characterisation of Cellulases and Xylanase from <i>Trichoderma virens</i> UKM1 and its Potential in Oil Palm Empty Fruit Bunch (OPEFB) Saccharification. <i>Journal of Physical Science</i> , 2017, 28, 171-184.	0.9	7
27	Cellobiohydrolase B of <i>Aspergillus niger</i> over-expressed in <i>Pichia pastoris</i> stimulates hydrolysis of oil palm empty fruit bunches. <i>PeerJ</i> , 2017, 5, e3909.	2.0	7
28	Characterization and immobilization of <i>Pycnoporus cinnabarinus</i> carboxylic acid reductase, PcCAR2. <i>Journal of Biotechnology</i> , 2022, 345, 47-54.	3.8	7
29	Expression and characterization of a cutinase (AnCUT2) from <i>Aspergillus niger</i> . <i>Open Life Sciences</i> , 2016, 11, 29-38.	1.4	6
30	Structural and functional insights into TRiC chaperonin from a psychrophilic yeast, <i>Glaciozyma antarctica</i> . <i>Cell Stress and Chaperones</i> , 2019, 24, 351-368.	2.9	6
31	Production of an oligosaccharide-specific cellobiohydrolase from the thermophilic fungus <i>Thielavia terrestris</i> . <i>Biotechnology Letters</i> , 2016, 38, 825-832.	2.2	5
32	Site-saturation mutagenesis of <i>Glomerella cingulata</i> cutinase gene for enhanced enzyme thermostability. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
33	A functionally-distinct carboxylic acid reductase PcCAR4 unearthed from a repertoire of type IV CARs in the white-rot fungus <i>Pycnoporus cinnabarinus</i> . <i>Journal of Biotechnology</i> , 2020, 307, 55-62.	3.8	4
34	Growth Phase-Dependent Proteomes of the Malaysian Isolated <i>Lactococcus lactis</i> Dairy Strain M4 Using Label-Free Qualitative Shotgun Proteomics Analysis. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	2.1	3
35	Bioconversion of pineapple pomace for xylooligosaccharide synthesis using surface display of xylanase on <i>Escherichia coli</i> . <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 6003-6014.	4.6	3
36	Structural and functional characterisation of a cold-active yet heat-tolerant dehydroquinase from <i>Glaciozyma antarctica</i> PI12. <i>Journal of Biotechnology</i> , 2021, 329, 118-127.	3.8	3

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37	Metagenomic datasets of air samples collected during episodes of severe smoke-haze in Malaysia. Data in Brief, 2021, 36, 107124.	1.0	3
38	Cloning, expression and crystallisation of SGT1 co-chaperone protein from Glaciozyma antarctica. AIP Conference Proceedings, 2013, , .	0.4	2
39	Functional and structural analyses of an expansin-like protein from the antarctic yeast Glaciozyma antarctica PI12 reveal strategies of nutrient scavenging in the sea ice environment. International Journal of Biological Macromolecules, 2020, 144, 231-241.	7.5	2
40	Structure prediction of Fe(II) 2-oxoglutarate dioxygenase from a psychrophilic yeast Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.4	1
41	Targeted selection of amino acid residues to create variant libraries of Glaciozyma antarctica proline iminopeptidase. AIP Conference Proceedings, 2019, , .	0.4	1
42	Study on the population of airborne bacteria and antibiotic resistance from a hospital environment. , 2021, , .		1
43	In silico analysis of Î²-mannanases and Î²-mannosidase from Aspergillus flavus and Trichoderma virens UKM1. , 2013, , .		0
44	In silico analysis of Î²-1,3-glucanase from a psychrophilic yeast, Glaciozyma antarctica PI12. , 2014, , .		0
45	Cloning and expression of phosphoglycerate mutase from the psychrophilic yeast, Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.4	0
46	Isolation and regeneration protoplast of an oil palm pathogen, Ganoderma boninense. AIP Conference Proceedings, 2015, , .	0.4	0
47	Identification and characterization of a mating signalling gene from an oil palm pathogen, Ganoderma boninense. AIP Conference Proceedings, 2019, , .	0.4	0