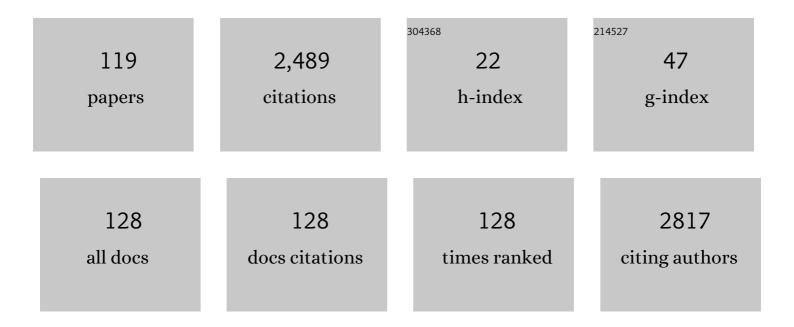
Abdul Munir Abdul Murad

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/671045/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	NRG1 represses yeast-hypha morphogenesis and hypha-specific gene expression in Candida albicans. EMBO Journal, 2001, 20, 4742-4752.	3.5	394
2	Clp10, an efficient and convenient integrating vector forCandida albicans. Yeast, 2000, 16, 325-327.	0.8	294
3	MicroRNA and Transcription Factor: Key Players in Plant Regulatory Network. Frontiers in Plant Science, 2017, 8, 565.	1.7	291
4	Transcript profiling in Candida albicans reveals new cellular functions for the transcriptional repressors CaTup1, CaMig1 and CaNrg1. Molecular Microbiology, 2001, 42, 981-993.	1.2	207
5	Characterization of Afp1, an antifreeze protein from the psychrophilic yeast Glaciozyma antarctica PI12. Extremophiles, 2013, 17, 63-73.	0.9	61
6	Molecular cloning, expression and biochemical characterisation of a cold-adapted novel recombinant chitinase from Glaciozyma antarctica PI12. Microbial Cell Factories, 2011, 10, 94.	1.9	56
7	Optimization of a Heterologous Signal Peptide by Site-Directed Mutagenesis for Improved Secretion of Recombinant Proteins in Escherichia coli. Journal of Molecular Microbiology and Biotechnology, 2012, 22, 48-58.	1.0	52
8	Efficient removal of lignin with the maintenance of hemicellulose from kenaf by two-stage pretreatment process. Carbohydrate Polymers, 2014, 99, 447-453.	5.1	49
9	Thermal stress responses in Antarctic yeast, Glaciozyma antarctica PI12, characterized by real-time quantitative PCR. Polar Biology, 2013, 36, 381-389.	0.5	46
10	Transcript analysis of 1003 novel yeast genes using high-throughput northern hybridizations. EMBO Journal, 2001, 20, 3177-3186.	3.5	45
11	The Glaciozyma antarctica genome reveals an array of systems that provide sustained responses towards temperature variations in a persistently cold habitat. PLoS ONE, 2018, 13, e0189947.	1.1	45
12	Structural prediction of a novel chitinase from the psychrophilic Glaciozyma antarctica PI12 and an analysis of its structural properties and function. Journal of Computer-Aided Molecular Design, 2012, 26, 947-961.	1.3	38
13	Cryptocaryon irritans infection induces the acute phase response in Lates calcarifer: A transcriptomic perspective. Fish and Shellfish Immunology, 2012, 33, 788-794.	1.6	38
14	Cgl-SLT2 is required for appressorium formation, sporulation and pathogenicity in Colletotrichum gloeosporioide. Brazilian Journal of Microbiology, 2013, 44, 1241-1250.	0.8	37
15	A mutant l-asparaginase II signal peptide improves the secretion of recombinant cyclodextrin glucanotransferase and the viability of Escherichia coli. Biotechnology Letters, 2011, 33, 999-1005.	1.1	33
16	Sequence and structural investigation of a novel psychrophilic α-amylase from Glaciozyma antarctica PI12 for cold-adaptation analysis. Journal of Molecular Modeling, 2013, 19, 3369-3383.	0.8	30
17	High level expression of Glomerella cingulata cutinase in dense cultures of Pichia pastoris grown under fed-batch conditions. Journal of Biotechnology, 2014, 184, 219-228.	1.9	28
18	Regulation of terpenoid biosynthesis by miRNA in Persicaria minor induced by Fusarium oxysporum. BMC Genomics, 2019, 20, 586.	1.2	26

#	Article	IF	CITATIONS
19	Biochemical and structural characterization of a novel cold-active esterase-like protein from the psychrophilic yeast Glaciozyma antarctica. Extremophiles, 2018, 22, 607-616.	0.9	24
20	Inactivation of the Catalytic Subunit of cAMP-Dependent Protein Kinase A Causes Delayed Appressorium Formation and Reduced Pathogenicity of <i>Colletotrichum gloeosporioides</i> . Scientific World Journal, The, 2012, 2012, 1-12.	0.8	23
21	Molecular cloning, expression and characterisation of Afp4, an antifreeze protein from Glaciozyma antarctica. Polar Biology, 2014, 37, 1495-1505.	0.5	23
22	Entrapment of porous cross-linked enzyme aggregates of maltogenic amylase from Bacillus lehensis G1 into calcium alginate for maltooligosaccharides synthesis. International Journal of Biological Macromolecules, 2020, 150, 80-89.	3.6	23
23	Modulation of transglycosylation and improved malto-oligosaccharide synthesis by protein engineering of maltogenic amylase from Bacillus lehensis G1. Process Biochemistry, 2015, 50, 1572-1580.	1.8	22
24	Silanized maghemite for cross-linked enzyme aggregates of recombinant xylanase from Trichoderma reesei. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, 65-76.	1.8	22
25	Improvement of cross-linking and stability on cross-linked enzyme aggregate (CLEA)-xylanase by protein surface engineering. Process Biochemistry, 2019, 86, 40-49.	1.8	22
26	An effective extracellular protein secretion by an ABC transporter system in Escherichia coli: statistical modeling and optimization of cyclodextrin glucanotransferase secretory production. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1587-1597.	1.4	21
27	Solution Structures, Dynamics, and Ice Growth Inhibitory Activity of Peptide Fragments Derived from an Antarctic Yeast Protein. PLoS ONE, 2012, 7, e49788.	1.1	21
28	Efficient substrate accessibility of cross-linked levanase aggregates using dialdehyde starch as a macromolecular cross-linker. Carbohydrate Polymers, 2021, 267, 118159.	5.1	21
29	Evaluation of Reference Genes for Quantitative Real-Time PCR in Oil Palm Elite Planting Materials Propagated by Tissue Culture. PLoS ONE, 2014, 9, e99774.	1.1	21
30	Enhanced secretory production of hemolysin-mediated cyclodextrin glucanotransferase in Escherichia coli by random mutagenesis of the ABC transporter system. Journal of Biotechnology, 2010, 150, 453-459.	1.9	19
31	Thermal stability engineering of Glomerella cingulata cutinase. Protein Engineering, Design and Selection, 2013, 26, 369-375.	1.0	19
32	Protein engineering of GH11 xylanase from Aspergillus fumigatus RT-1 for catalytic efficiency improvement on kenaf biomass hydrolysis. Enzyme and Microbial Technology, 2019, 131, 109383.	1.6	17
33	Novel cross-linked enzyme aggregates of levanase from Bacillus lehensis G1 for short-chain fructooligosaccharides synthesis: Developmental, physicochemical, kinetic and thermodynamic properties. International Journal of Biological Macromolecules, 2020, 159, 577-589.	3.6	17
34	Structure Prediction of a Novel Exo-β-1,3-Glucanase: Insights into the Cold Adaptation of Psychrophilic Yeast Glaciozyma antarctica PI12. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 157-168.	2.2	16
35	Development of a <i>pyrG</i> Mutant of <i>Aspergillus oryzae</i> Strain S1 as a Host for the Production of Heterologous Proteins. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	15
36	Functional characterisation and product specificity of Endo-β-1,3-glucanase from alkalophilic bacterium, Bacillus lehensis G1. Enzyme and Microbial Technology, 2020, 140, 109625.	1.6	15

#	Article	IF	CITATIONS
37	Can heat shock protein 70 (HSP70) serve as biomarkers in Antarctica for future ocean acidification, warming and salinity stress?. Polar Biology, 2022, 45, 371-394.	0.5	15
38	Review Update on the Life Cycle, Plant–Microbe Interaction, Genomics, Detection and Control Strategies of the Oil Palm Pathogen Ganoderma boninense. Biology, 2022, 11, 251.	1.3	15
39	Unravelling the adaptation strategies employed by Glaciozyma antarctica PI12 on Antarctic sea ice. Marine Environmental Research, 2018, 137, 169-176.	1.1	14
40	Functional characterisation of cellobiohydrolase I (Cbh1) from Trichoderma virens UKM1 expressed in Aspergillus niger. Protein Expression and Purification, 2019, 154, 52-61.	0.6	14
41	Large-Scale Production of Glaciozyma antarctica Antifreeze Protein 1 (Afp1) by Fed-Batch Fermentation of Pichia pastoris. Arabian Journal for Science and Engineering, 2018, 43, 133-141.	1.7	13
42	Reduction of Extracellular Proteases Increased Activity and Stability of Heterologous Protein in \$\${ Aspergillus}\$\$ A s p e r g i l l u s \$\${ niger}\$\$ n i g e r. Arabian Journal for Science and Engineering, 2018, 43, 3327-3338.	1.7	13
43	Development and validation of a medium for recombinant endo-β-1,4-xylanase production by Kluyveromyces lactis using a statistical experimental design. Annals of Microbiology, 2012, 62, 283-292.	1.1	12
44	Expression and characterization of TrichodermaÂvirens UKM-1 endochitinase in EscherichiaÂcoli. World Journal of Microbiology and Biotechnology, 2009, 25, 561-572.	1.7	11
45	A comparative genomic analysis of the alkalitolerant soil bacterium Bacillus lehensis G1. Gene, 2014, 545, 253-261.	1.0	10
46	Thermotolerance and molecular chaperone function of an SGT1-like protein from the psychrophilic yeast, Glaciozyma antarctica. Cell Stress and Chaperones, 2016, 21, 707-715.	1.2	10
47	The role of alternative salt bridges in cold adaptation of a novel psychrophilic laminarinase. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1685-1692.	2.0	10
48	Proteome-based identification of signal peptides for improved secretion of recombinant cyclomaltodextrin glucanotransferase in Escherichia coli. Process Biochemistry, 2017, 61, 47-55.	1.8	10
49	Analysis of miRNAs targeting transcription factors in Persicaria minor induced by Fusarium oxysporum. AIP Conference Proceedings, 2016, , .	0.3	9
50	Deep sequencing and in silico analysis of small RNA library reveals novel miRNA from leaf Persicaria minor transcriptome. 3 Biotech, 2018, 8, 136.	1.1	9
51	Secretome analysis of alkaliphilic bacterium Bacillus lehensis G1 in response to pH changes. Microbiological Research, 2018, 215, 46-54.	2.5	9
52	Expression and characterization of a cellobiohydrolase (CBH7B) from the thermophilic fungus <i>Thielavia terrestris</i> in <i>Pichia pastoris</i> . Biotechnology and Applied Biochemistry, 2016, 63, 690-698.	1.4	8
53	Cloning, Production and Characterization of a Glycoside Hydrolase Family 7 Enzyme from the Gut Microbiota of the Termite Coptotermes curvignathus. Molecular Biotechnology, 2017, 59, 271-283.	1.3	8
54	Transcriptome datasets of oil palm pathogen Ganoderma boninense. Data in Brief, 2018, 17, 1108-1111.	0.5	8

#	Article	IF	CITATIONS
55	Expression of xylanase on Escherichia coli using a truncated ice nucleation protein of Erwinia ananas (InaA). Process Biochemistry, 2019, 78, 25-32.	1.8	8
56	Early nodulin 93 protein gene: essential for induction of somatic embryogenesis in oil palm. Plant Cell Reports, 2020, 39, 1395-1413.	2.8	8
57	Crystal structure of fuculose aldolase from the Antarctic psychrophilic yeast <i>Glaciozyma antarctica</i> PI12. Acta Crystallographica Section F, Structural Biology Communications, 2016, 72, 831-839.	0.4	7
58	A thermotolerant Endo-1,4-β-mannanase from Trichoderma virens UKM1: Cloning, recombinant expression and characterization. Journal of Molecular Catalysis B: Enzymatic, 2016, 125, 49-57.	1.8	7
59	Characterisation of Cellulases and Xylanase from Trichoderma virens UKM1 and its Potential in Oil Palm Empty Fruit Bunch (OPEFB) Saccharification. Journal of Physical Science, 2017, 28, 171-184.	0.5	7
60	Cellobiohydrolase B of <i>Aspergillus niger</i> over-expressed in <i>Pichia pastoris</i> stimulates hydrolysis of oil palm empty fruit bunches. PeerJ, 2017, 5, e3909.	0.9	7
61	Expression and characterization of a cutinase (AnCUT2) from Aspergillus niger. Open Life Sciences, 2016, 11, 29-38.	0.6	6
62	Structural and functional insights into TRiC chaperonin from a psychrophilic yeast, Glaciozyma antarctica. Cell Stress and Chaperones, 2019, 24, 351-368.	1.2	6
63	Production of an oligosaccharide-specific cellobiohydrolase from the thermophilic fungus Thielavia terrestris. Biotechnology Letters, 2016, 38, 825-832.	1.1	5
64	Rational protein engineering of α-L-arabinofuranosidase from Aspergillus niger for improved catalytic hydrolysis efficiency on kenaf hemicellulose. Process Biochemistry, 2021, 102, 349-359.	1.8	5
65	Protein surface engineering and interaction studies of maltogenic amylase towards improved enzyme immobilisation. International Journal of Biological Macromolecules, 2022, 213, 70-82.	3.6	5
66	Site-saturation mutagenesis of Glomerella cingulata cutinase gene for enhanced enzyme thermostability. AIP Conference Proceedings, 2015, , .	0.3	4
67	Fermentative Production of Xylitol: A First Trial on Xylose Bifurcation. Indian Journal of Science and Technology, 2016, 9, .	0.5	4
68	Danger lurking in the "unknowns― structure-to-function studies of hypothetical protein Bleg1_2437 fromBacillus lehensisG1 alkaliphile revealed an evolutionary divergent B3 metallo-beta-lactamase. Journal of Biochemistry, 2016, 161, mvw058.	0.9	4
69	Small RNA sequencing for secondary metabolite analysis in Persicaria minor. Genomics Data, 2017, 13, 3-4.	1.3	4
70	A functionally-distinct carboxylic acid reductase PcCAR4 unearthed from a repertoire of type IV CARs in the white-rot fungus Pycnoporus cinnabarinus. Journal of Biotechnology, 2020, 307, 55-62.	1.9	4
71	A nationwide biotechnology outreach and awareness program for Malaysian high schools. Electronic Journal of Biotechnology, 2005, 8, .	1.2	4
72	Isolation and Characterization of Glyceraldehyde-3-phosphate Dehydrogenase Gene of Trichoderma virens UKM1. Biotechnology, 2009, 8, 194-203.	0.5	4

#	Article	IF	CITATIONS
73	Growth Phase-Dependent Proteomes of the Malaysian Isolated <i>Lactococcus lactis</i> Dairy Strain M4 Using Label-Free Qualitative Shotgun Proteomics Analysis. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	3
74	A Sco protein among the hypothetical proteins of Bacillus lehensis G1: Its 3D macromolecular structure and association with Cytochrome C Oxidase. BMC Structural Biology, 2014, 14, 11.	2.3	3
75	De novo transcriptome resources of the lichens, Dirinaria sp. UKM-J1 and UKM-K1 collected from Jerantut and Klang, Malaysia. Data in Brief, 2018, 19, 2416-2419.	0.5	3
76	Structural and functional characterisation of a cold-active yet heat-tolerant dehydroquinase from Glaciozyma antarctica PI12. Journal of Biotechnology, 2021, 329, 118-127.	1.9	3
77	Analysis of Free Oligosaccharides (fOS) from Wild-Type Saccharomyces cerevisiae (Baker's Yeast) using Two Different Extraction Methods. Sains Malaysiana, 2020, 49, 85-92.	0.3	3
78	Characterization of Inducible HSP70 Genes in an Antarctic Yeast, Glaciozyma antarctica PI12, in Response to Thermal Stress. Microorganisms, 2021, 9, 2069.	1.6	3
79	Isolation and Characterisation of a Gene Encoding the Colletotrichum gloeosporioides Regulatory Subunit of Protein Kinase A. Journal of Biological Sciences, 2008, 8, 730-737.	0.1	3
80	Cloning, expression and crystallisation of SCT1 co-chaperone protein from Glaciozyma antarctica. AIP Conference Proceedings, 2013, , .	0.3	2
81	In silico analysis of glucoamylase from a psychrophilic yeast, Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.3	2
82	Identification of small open reading frames in the Glaciozyma antarctica genome. AIP Conference Proceedings, 2015, , .	0.3	2
83	Commercial cellulases and hemicellulase performance towards oil palm empty fruit bunch (OPEFB) hydrolysis. AIP Conference Proceedings, 2016, , .	0.3	2
84	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.	3.6	2
85	Pengenalpastian dan Profil Pengekspresan Gen Biosintesis Asid Amino Yis Psikrofil, Glaciozyma Antarctica. Sains Malaysiana, 2018, 47, 1675-1684.	0.3	2
86	DIKETOPIPERAZINE PRODUCED BY PSYCHROPHILIC YEAST Glaciozyma antarctica PI12. Malaysian Journal of Analytical Sciences, 2017, 21, .	0.2	2
87	Gene isolation and prediction of the corresponding three-dimensional structure of subtilisin from the psychrophilic yeast, Glaciozyma antarctica PI12. Malaysian Journal of Microbiology, 2018, , .	0.1	2
88	Cloning and expression of a Trichoderma longibrachiatum β-mannanase gene in Pichia pastoris. African Journal of Biotechnology, 2012, 11, .	0.3	2
89	Functional Analysis of an Appressorium-Specific Gene from Colletotrichum gloeosporioides. HAYATI Journal of Biosciences, 2020, 27, 107.	0.1	2

90 A preliminary transcriptomic analysis of lichen Dirinaria sp., , 2013, , .

#	Article	IF	CITATIONS
91	In-silico analysis of Aspergillus niger beta-glucosidases. , 2014, , .		1
92	Isolation, molecular cloning and expression of cellobiohydrolase B (CbhB) from Aspergillus niger in Escherichia coli. AIP Conference Proceedings, 2015, , .	0.3	1
93	Structure prediction of Fe(II) 2-oxoglutarate dioxygenase from a psychrophilic yeast Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.3	1
94	Cloning and expression of N-glycosylation-related glucosidase from Glaciozyma antarctica. AIP Conference Proceedings, 2016, , .	0.3	1
95	Data for proteome analysis of Bacillus lehensis G1 in starch-containing medium. Data in Brief, 2017, 14, 35-40.	0.5	1
96	REACTION OPTIMIZATION OF Aspergillus niger α-L-ARABINOFURANOSIDASE FOR IMPROVED ARABINOSE PRODUCTION FROM KENAF STEM. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	1
97	Targeted selection of amino acid residues to create variant libraries of Glaciozyma antarctica proline iminopeptidase. AIP Conference Proceedings, 2019, , .	0.3	1
98	In Silico functional prediction of CAS2, a protein specifically expressed in appressorium and required for pathogenicity of Colletotrichum gloeosporioides. AIP Conference Proceedings, 2022, , .	0.3	1
99	Extraction of intracellular protein from Glaciozyma antarctica for proteomics analysis. , 2013, , .		0
100	Preface: The 2013 UKM FST Post-Graduate Colloquium. , 2013, , .		0
101	In silico analysis of β-mannanases and β-mannosidase from Aspergillus flavus and Trichoderma virens UKM1. , 2013, , .		0
102	In silico analysis of \hat{I}^2 -1,3-glucanase from a psychrophilic yeast, Glaciozyma antarctica PI12. , 2014, , .		0
103	Cloning and expression of phosphoglycerate mutase from the psychrophilic yeast, Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.3	0
104	Cloning and in-silico analysis of beta-1,3-xylanase from psychrophilic yeast, Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.3	0
105	In silico analysis of subtilisin from Glaciozyma antarctica PI12. AIP Conference Proceedings, 2015, , .	0.3	0
106	Molecular cloning and characterization of alpha - galactosidase gene from Glaciozyma antarctica. AIP Conference Proceedings, 2015, , .	0.3	0
107	Isolation and regeneration protoplast of an oil palm pathogen, Ganoderma boninense. AIP Conference Proceedings, 2015, , .	0.3	0
108	Cloning and expression of N-glycosylation-related mannosidase from Glaciozyma antarctica for the production of a mannosynthase. AIP Conference Proceedings, 2016, , .	0.3	0

#	Article	IF	CITATIONS
109	Enzymatic hydrolysis of oil palm empty fruits bunch fiber using Celluclast® and Accellerase® BG for sugar production. AIP Conference Proceedings, 2016, , .	0.3	0
110	EFFECTS OF HEAT SHOCK PROTEIN CLPC'S ɑ4-β2 LOOP DELETION FROM AN ALKALIPHILIC BACILLUS LEHEN ON ITS STABILITY AND ACTIVITY. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	SIS G1	0
111	Data on degradome sequencing and analysis from mock-inoculated and Fusarium oxysporum treated leaves samples in Persicaria minor. Data in Brief, 2018, 20, 555-557.	0.5	0
112	Identification and characterization of a mating signalling gene from an oil palm pathogen, Ganoderma boninense. AIP Conference Proceedings, 2019, , .	0.3	0
113	Effect of Humicola insolens recombinant endoglucanase on the performance of commercial cellulase in oil palm biomass hydrolysis. Malaysian Journal of Microbiology, 2018, , .	0.1	0
114	Effect of Pichia pastoris host strain on the properties of recombinant Aspergillus niger endoglucanase, EglB. Malaysian Journal of Microbiology, 2018, , .	0.1	0
115	Short-chain fructo-oligosaccharides produced by enzymatic hydrolysis enhance the growth of probiotics isolated from cultured milk drinks. Malaysian Journal of Microbiology, 2018, , .	0.1	0
116	(-)-Glaciantarcin, a New Dipeptide and Some Secondary Metabolites from the Psychrophilic Yeast Glaciozyma antarctica PI12. Sains Malaysiana, 2018, 47, 2693-2698.	0.3	0
117	IN SILICO STRUCTURAL CHARACTERIZATION OF L. lactis subsp. cremoris MG1363 FFH-FTSY COMPLEX IN PROTEIN TARGETING INTERACTION. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.3	0
118	Heterologous Expression of Proteins from Cold-Adapted Yeasts in Suitable Hosts: Methods and Applications. , 2014, , 481-496.		0
119	Biochemical Characterisation and Structure Determination of a Novel Cold-Active Proline Iminopeptidase from the Psychrophilic Yeast, Glaciozyma antarctica PI12. Catalysts, 2022, 12, 722.	1.6	0