

# Mohamad Hafizi Abu Bakar

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

645  
citations

623188

14  
h-index

580395

25  
g-index

39  
all docs

39  
docs citations

39  
times ranked

986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics – the complementary field in systems biology: a review on obesity and type 2 diabetes. <i>Molecular BioSystems</i> , 2015, 11, 1742-1774.	2.9	103
2	Mitochondrial dysfunction as a central event for mechanisms underlying insulin resistance: the roles of long chain fatty acids. <i>Diabetes/Metabolism Research and Reviews</i> , 2015, 31, 453-475.	1.7	65
3	Molecular docking studies of bioactive compounds from <i>Annona muricata</i> Linn as potential inhibitors for Bcl-2, Bcl-w and Mcl-1 antiapoptotic proteins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 27-40.	2.2	41
4	Celastrol attenuates mitochondrial dysfunction and inflammation in palmitate-mediated insulin resistance in C3A hepatocytes. <i>European Journal of Pharmacology</i> , 2017, 799, 73-83.	1.7	38
5	Banana frond juice as novel fermentation substrate for bioethanol production by <i>Saccharomyces cerevisiae</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101293.	1.5	33
6	Celastrol Protects against Antimycin A-Induced Insulin Resistance in Human Skeletal Muscle Cells. <i>Molecules</i> , 2015, 20, 8242-8269.	1.7	29
7	Purification of Î <sup>2</sup> -mannanase derived from <i>Bacillus subtilis</i> ATCC 11774 using ionic liquid as adjuvant in aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1055-1056, 104-112.	1.2	29
8	Withaferin A Protects Against High-Fat Diet-Induced Obesity Via Attenuation of Oxidative Stress, Inflammation, and Insulin Resistance. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 241-259.	1.4	29
9	Bioassay-Guided Different Extraction Techniques of <i>Carica papaya</i> (Linn.) Leaves on In Vitro Wound-Healing Activities. <i>Molecules</i> , 2020, 25, 517.	1.7	28
10	Accelerated Solvent Extractions (ASE) of <i>Mitragyna speciosa</i> Korth. (Kratom) Leaves: Evaluation of Its Cytotoxicity and Antinociceptive Activity. <i>Molecules</i> , 2021, 26, 3704.	1.7	28
11	Amelioration of Mitochondrial Dysfunction-Induced Insulin Resistance in Differentiated 3T3-L1 Adipocytes via Inhibition of NF-Î <sup>B</sup> Pathways. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22227-22257.	1.8	27
12	Improvement of mitochondrial function by celastrol in palmitate-treated C2C12 myotubes via activation of PI3K-Akt signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 903-912.	2.5	27
13	Celastrol attenuates inflammatory responses in adipose tissues and improves skeletal muscle mitochondrial functions in high fat diet-induced obese rats via upregulation of AMPK/SIRT1 signaling pathways. <i>European Journal of Pharmacology</i> , 2020, 883, 173371.	1.7	26
14	Association of cultured myotubes and fasting plasma metabolite profiles with mitochondrial dysfunction in type 2 diabetes subjects. <i>Molecular BioSystems</i> , 2017, 13, 1838-1853.	2.9	23
15	The role of lycopene for the amelioration of glycaemic status and peripheral antioxidant capacity among the Type II diabetes mellitus patients: a case-control study. <i>Annals of Medicine</i> , 2021, 53, 1060-1066.	1.5	16
16	The Chemical and Pharmacological Properties of Mitragynine and Its Diastereomers: An Insight Review. <i>Frontiers in Pharmacology</i> , 2022, 13, 805986.	1.6	14
17	Extractive purification of recombinant thermostable lipase from fermentation broth of <i>Escherichia coli</i> using an aqueous polyethylene glycol impregnated resin system. <i>3 Biotech</i> , 2018, 8, 288.	1.1	13
18	Behavioural response of cells and bacteria on single and multiple doped Sr and Ag S53P4 sol-gel bioglass. <i>Ceramics International</i> , 2020, 46, 17881-17890.	2.3	11

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19	Synthesis, characterization and cytotoxicity of new nicotinonitriles and their furo[2,3-b]pyridine derivatives. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 715-722.	1.2	7
20	In vitro anti-hyperglycemic, antioxidant activities and intestinal glucose uptake evaluation of <i>Endiandra kingiana</i> extracts. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101594.	1.5	7
21	Carbonic anhydrase (CA) activity by <i>Chlorella</i> sp. in immobilised matrix under carbon dioxide rich cultivation condition.. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 716, 012015.	0.3	6
22	Celastrol alleviates high-fat diet-induced obesity via enhanced muscle glucose utilization and mitochondrial oxidative metabolism-mediated upregulation of pyruvate dehydrogenase complex. <i>Toxicology and Applied Pharmacology</i> , 2022, 449, 116099.	1.3	6
23	Reduced mitochondrial DNA content in lymphocytes is associated with insulin resistance and inflammation in patients with impaired fasting glucose. <i>Clinical and Experimental Medicine</i> , 2018, 18, 373-382.	1.9	5
24	The Synthesis, Characterization, Cytotoxic Activity Assessment and Structure-Activity Relationship of 4-Aryl-6-(2,5-dichlorothiophen-3-yl)-2-methoxypyridine-3-carbonitriles. <i>Molecules</i> , 2019, 24, 4072.	1.7	5
25	Self-setting $\beta$ -tricalcium phosphate granular cement at physiological body condition: effect of citric acid concentration as an inhibitor. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 687.	1.1	5
26	Effect of Different Granular Size on the Properties of Porous $\beta$ -Tricalcium Phosphate Foam Granular Cements. <i>Key Engineering Materials</i> , 2019, 829, 23-27.	0.4	4
27	Synthesis, Biological Evaluation of ortho-Carboxamidostilbenes as Potential Inhibitors of Hyperglycemic Enzymes, and Molecular Docking Study. <i>Journal of Molecular Structure</i> , 2021, 1245, 131007.	1.8	3
28	Behavior of Osteoclast Cells Response on Dicalcium Phosphate Dihydrate Layer-Coated $\beta$ -Tricalcium Phosphate Granular. <i>Materials Science Forum</i> , 0, 1010, 549-554.	0.3	2
29	Celastrol attenuates high-fructose diet-induced inflammation and insulin resistance via inhibition of 11 $\beta$ -hydroxysteroid dehydrogenase type 1 activity in rat adipose tissues. <i>BioFactors</i> , 2022, 48, 111-134.	2.6	2
30	Inhibition of Carbohydrate Hydrolysing Enzymes, Antioxidant Activity and Polyphenolic Content of <i>Beilschmiedia</i> Species Extracts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 716, 012007.	0.3	1
31	Cyclic Polyketides with $\alpha$ -Glucosidase Inhibitory Activity from <i>Endiandra kingiana</i> Gamble and Molecular Docking Study. <i>Records of Natural Products</i> , 2021, 15, 414-419.	1.3	1
32	Polymer impregnation in porous glass beads to induce bioseparation of $\beta$ -mannanase from fermentation broth of <i>Proteus vulgaris</i> . <i>Minerva Biotechnologica</i> , 2020, 32, .	1.2	1
33	Leukotriene B4 Mediates Vascular Oxidative Stress and Mitochondrial Dysfunction in Human Aortic Endothelial Cells. <i>Atherosclerosis Supplements</i> , 2018, 32, 112.	1.2	0
34	Influence of the synthesis parameters on the properties of natural rubber grafted poly-3-hydroxybutyrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 509, 012024.	0.3	0