

# Mustapha Umar Imam

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

2,152  
citations

218381

26  
h-index

264894

42  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary magnesium intake and the risk of cardiovascular disease, type 2 diabetes, and all-cause mortality: a dose-response meta-analysis of prospective cohort studies. <i>BMC Medicine</i> , 2016, 14, 210.	2.3	167
2	Antioxidants Mediate Both Iron Homeostasis and Oxidative Stress. <i>Nutrients</i> , 2017, 9, 671.	1.7	141
3	Manganese transporter Slc39a14 deficiency revealed its key role in maintaining manganese homeostasis in mice. <i>Cell Discovery</i> , 2017, 3, 17025.	3.1	87
4	Antidiabetic Properties of Germinated Brown Rice: A Systematic Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-12.	0.5	71
5	Body mass index had different effects on premenopausal and postmenopausal breast cancer risks: a dose-response meta-analysis with 3,318,796 subjects from 31 cohort studies. <i>BMC Public Health</i> , 2017, 17, 936.	1.2	71
6	Germinated brown rice regulates hepatic cholesterol metabolism and cardiovascular disease risk in hypercholesterolaemic rats. <i>Journal of Functional Foods</i> , 2014, 8, 193-203.	1.6	68
7	A randomised controlled trial on hypolipidemic effects of <i>Nigella Sativa</i> seeds powder in menopausal women. <i>Journal of Translational Medicine</i> , 2014, 12, 82.	1.8	61
8	Induction of apoptosis through oxidative stress-related pathways in MCF-7, human breast cancer cells, by ethyl acetate extract of <i>Dillenia suffruticosa</i> . <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 55.	3.7	59
9	Effects of White Rice, Brown Rice and Germinated Brown Rice on Antioxidant Status of Type 2 Diabetic Rats. <i>International Journal of Molecular Sciences</i> , 2012, 13, 12952-12969.	1.8	58
10	High fat diet-induced inflammation and oxidative stress are attenuated by N-acetylneuraminic acid in rats. <i>Journal of Biomedical Science</i> , 2015, 22, 96.	2.6	50
11	Thymoquinone Prevents $\beta$ -Amyloid Neurotoxicity in Primary Cultured Cerebellar Granule Neurons. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 1159-1169.	1.7	47
12	Mechanistic basis for protection of differentiated SH-SY5Y cells by oryzanol-rich fraction against hydrogen peroxide-induced neurotoxicity. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 467.	3.7	47
13	Ethyl acetate extract of germinated brown rice attenuates hydrogen peroxide-induced oxidative stress in human SH-SY5Y neuroblastoma cells: role of anti-apoptotic, pro-survival and antioxidant genes. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 177.	3.7	46
14	Edible Bird's Nest attenuates high fat diet-induced oxidative stress and inflammation via regulation of hepatic antioxidant and inflammatory genes. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 310.	3.7	44
15	Study on the Potential Toxicity of a Thymoquinone-Rich Fraction Nanoemulsion in Sprague Dawley Rats. <i>Molecules</i> , 2013, 18, 7460-7472.	1.7	40
16	Peroxisome Proliferator-Activated Receptor Gamma (PPAR $\gamma$ ) as a Target for Concurrent Management of Diabetes and Obesity-Related Cancer. <i>Current Pharmaceutical Design</i> , 2017, 23, 3677-3688.	0.9	39
17	In vitro bioaccessibility and antioxidant properties of edible bird's nest following simulated human gastro-intestinal digestion. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 468.	3.7	37
18	Lactoferrin and ovotransferrin contribute toward antioxidative effects of Edible Bird's Nest against hydrogen peroxide-induced oxidative stress in human SH-SY5Y cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1570-1578.	0.6	37

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19	Neuroprotective Effects of Germinated Brown Rice against Hydrogen Peroxide Induced Cell Death in Human SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9692-9708.	1.8	35
20	Characterization of rice bran wax policosanol and its nanoemulsion formulation. <i>International Journal of Nanomedicine</i> , 2014, 9, 2261.	3.3	35
21	Induction of cell cycle arrest and apoptosis in caspase-3 deficient MCF-7 cells by <i>Dillenia suffruticosa</i> root extract via multiple signalling pathways. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 197.	3.7	34
22	Phenolic Rich Extract from <i>Clinacanthus nutans</i> Attenuates Hyperlipidemia-Associated Oxidative Stress in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-16.	1.9	33
23	Increased fucoxanthin in <i>Chaetoceros calcitrans</i> extract exacerbates apoptosis in liver cancer cells via multiple targeted cellular pathways. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00296.	2.1	33
24	Nutrigenomic effects of germinated brown rice and its bioactives on hepatic gluconeogenic genes in type 2 diabetic rats and HEPG2 cells. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 401-411.	1.5	32
25	Antibacterial Activity of Ciprofloxacin-Encapsulated Cockle Shells Calcium Carbonate (Aragonite) Nanoparticles and Its Biocompatibility in Macrophage J774A.1. <i>International Journal of Molecular Sciences</i> , 2016, 17, 713.	1.8	31
26	The molecular mechanism of the anticancer effect of Artonin E in MDA-MB 231 triple negative breast cancer cells. <i>PLoS ONE</i> , 2017, 12, e0182357.	1.1	31
27	Upregulation of genes related to bone formation by $\gamma$ -amino butyric acid and $\gamma$ -oryzanol in germinated brown rice is via the activation of GABAB-receptors and reduction of serum IL-6 in rats. <i>Clinical Interventions in Aging</i> , 2013, 8, 1259.	1.3	26
28	Effects of edible bird's nest on hippocampal and cortical neurodegeneration in ovariectomized rats. <i>Food and Function</i> , 2015, 6, 1701-1711.	2.1	26
29	Are bioactive-rich fractions functionally richer?. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 585-593.	5.1	26
30	Safety and Neuroprotective Efficacy of Palm Oil and Tocotrienol-Rich Fraction from Palm Oil: A Systematic Review. <i>Nutrients</i> , 2020, 12, 521.	1.7	26
31	Natural Products Modulating Angiotensin Converting Enzyme 2 (ACE2) as Potential COVID-19 Therapies. <i>Frontiers in Pharmacology</i> , 2021, 12, 629935.	1.6	26
32	Anthropometric indices as surrogates for estimating abdominal visceral and subcutaneous adipose tissue: A meta-analysis with 16,129 participants. <i>Diabetes Research and Clinical Practice</i> , 2018, 143, 310-319.	1.1	25
33	Iron-Binding Capacity of Defatted Rice Bran Hydrolysate and Bioavailability of Iron in Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9029-9036.	2.4	24
34	Novel Role of ER Stress and Autophagy in Microcystin-LR Induced Apoptosis in Chinese Hamster Ovary Cells. <i>Frontiers in Physiology</i> , 2016, 7, 527.	1.3	24
35	The polymorphism of rs266729 in adiponectin gene and type 2 diabetes mellitus. <i>Medicine (United States)</i> 110(4):314-324	0.4	24
36	Edible Bird's Nest Prevents High Fat Diet-Induced Insulin Resistance in Rats. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-11.	1.0	23

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37	The Hypocholesterolemic Effect of Germinated Brown Rice Involves the Upregulation of the Apolipoprotein A1 and Low-Density Lipoprotein Receptor Genes. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-8.	1.0	22
38	Effects of Germinated Brown Rice and Its Bioactive Compounds on the Expression of the Peroxisome Proliferator-Activated Receptor Gamma Gene. <i>Nutrients</i> , 2013, 5, 468-477.	1.7	20
39	Effects of phenolic-rich extracts of <i>Clinacanthus nutans</i> on high fat and high cholesterol diet-induced insulin resistance. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 88.	3.7	20
40	Resveratrol Ameliorates Experimental Alcoholic Liver Disease by Modulating Oxidative Stress. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	0.5	20
41	Zinc Metalloproteins in Epigenetics and Their Crosstalk. <i>Life</i> , 2021, 11, 186.	1.1	20
42	MALAT1: A Promising Therapeutic Target for the Treatment of Metastatic Colorectal Cancer. <i>Biochemical Pharmacology</i> , 2021, 190, 114657.	2.0	20
43	Polyphenol-rich ethyl acetate fraction isolated from <i>Molineria latifolia</i> ameliorates insulin resistance in experimental diabetic rats via IRS1/AKT activation. <i>Biomedicine and Pharmacotherapy</i> , 2018, 98, 125-133.	2.5	19
44	Neck circumference may be a valuable tool for screening individuals with obesity: findings from a young Chinese population and a meta-analysis. <i>BMC Public Health</i> , 2018, 18, 529.	1.2	19
45	Clausenidin from <i>Clausena excavata</i> induces apoptosis in hepG2 cells via the mitochondrial pathway. <i>Journal of Ethnopharmacology</i> , 2016, 194, 549-558.	2.0	18
46	Curculigoside and polyphenol-rich ethyl acetate fraction of <i>Molineria latifolia</i> rhizome improved glucose uptake via potential mTOR/AKT activated GLUT4 translocation. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1253-1264.	0.9	17
47	Nutrigenomic effects of edible bird's nest on insulin signaling in ovariectomized rats. <i>Drug Design, Development and Therapy</i> , 2015, 9, 4115.	2.0	16
48	The Impact of Traditional Food and Lifestyle Behavior on Epigenetic Burden of Chronic Disease. <i>Global Challenges</i> , 2017, 1, 1700043.	1.8	16
49	Edible Bird's Nest Prevents Menopause-Related Memory and Cognitive Decline in Rats via Increased Hippocampal Sirtuin-1 Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	16
50	Antioxidative Effects of Germinated Brown Rice-Derived Extracts on H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Stress in HepG2 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-11.	0.5	15
51	Germinated Brown Rice Alters Aβ <sub>1-42</sub> Aggregation and Modulates Alzheimer's Disease-Related Genes in Differentiated Human SH-SY5Y Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-12.	0.5	14
52	The Regulatory Effects and the Signaling Pathways of Natural Bioactive Compounds on Ferroptosis. <i>Foods</i> , 2021, 10, 2952.	1.9	14
53	Perinatal exposure to germinated brown rice and its gamma amino-butyric acid-rich extract prevents high fat diet-induced insulin resistance in first generation rat offspring. <i>Food and Nutrition Research</i> , 2016, 60, 30209.	1.2	12
54	Effects of Brown Rice and White Rice on Expression of Xenobiotic Metabolism Genes in Type 2 Diabetic Rats. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8597-8608.	1.8	11

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55	Polyphenol-rich ethyl acetate fraction of <i>Molineria latifolia</i> rhizome restores oxidant-antioxidant balance by possible engagement of KEAP1-NRF2 and PKC/NF- $\kappa$ B signalling pathways. <i>Journal of Functional Foods</i> , 2018, 42, 111-121.	1.6	11
56	Defatted Kenaf ( <i>Hibiscus cannabinus</i> L.) Seed Meal and Its Phenolic-Saponin-Rich Extract Protect Hypercholesterolemic Rats against Oxidative Stress and Systemic Inflammation via Transcriptional Modulation of Hepatic Antioxidant Genes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	11
57	Aqueous leaf extract of <i>Clinacanthus nutans</i> improved metabolic indices and sorbitol-related complications in type II diabetic rats (T2D). <i>Food Science and Nutrition</i> , 2019, 7, 1482-1493.	1.5	11
58	Effect of maternal zinc deficiency on offspring health: The epigenetic impact. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 65, 126731.	1.5	11
59	Dietary supplementation of defatted kenaf ( <i>Hibiscus cannabinus</i> L.) seed meal and its phenolics-saponins rich extract effectively attenuates diet-induced hypercholesterolemia in rats. <i>Food and Function</i> , 2018, 9, 925-936.	2.1	9
60	Estrogen receptor modulatory effects of germinated brown rice bioactives in the uterus of rats through the regulation of estrogen-induced genes. <i>Drug Design, Development and Therapy</i> , 2013, 7, 1409.	2.0	8
61	Modulation of platelet functions by crude rice ( <i>Oryza sativa</i> ) bran policosanol extract. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 252.	3.7	8
62	LncRNA SNHG15: A potential therapeutic target in the treatment of colorectal cancer. <i>Chemical Biology and Drug Design</i> , 2023, 101, 1138-1150.	1.5	8
63	Edible bird's nest attenuates procoagulation effects of high-fat diet in rats. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3951.	2.0	7
64	In utero exposure to germinated brown rice and its oryzanol-rich extract attenuated high fat diet-induced insulin resistance in F1 generation of rats. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 67.	3.7	7
65	Energy Dispersive X-Ray Microanalysis of Elemental Distribution in Raw and Germinated Brown Rice Varieties. <i>International Journal of Food Properties</i> , 2014, 17, 1449-1459.	1.3	6
66	N-Acetylneuraminic acid attenuates hypercoagulation on high fat diet-induced hyperlipidemic rats. <i>Food and Nutrition Research</i> , 2015, 59, 29046.	1.2	6
67	Increased risk of insulin resistance in rat offsprings exposed prenatally to white rice. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 180-184.	1.5	6
68	In utero Exposure to Germinated Brown Rice and Its GABA Extract Attenuates High-Fat-Diet-Induced Insulin Resistance in Rat Offspring. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2017, 10, 19-31.	1.8	6
69	Haplotype-based interaction of the PPARGC1A and UCP1 genes is associated with impaired fasting glucose or type 2 diabetes mellitus. <i>Medicine (United States)</i> , 2017, 96, e6941.	0.4	6
70	Nanoemulsified gamma-oryzanol rich fraction blend regulates hepatic cholesterol metabolism and cardiovascular disease risk in hypercholesterolaemic rats. <i>Journal of Functional Foods</i> , 2016, 26, 338-349.	1.6	5
71	N-Acetylneuraminic Acid Supplementation Prevents High Fat Diet-Induced Insulin Resistance in Rats through Transcriptional and Nontranscriptional Mechanisms. <i>BioMed Research International</i> , 2015, 1-10.	0.9	4
72	A Review of the Effects of Policosanol on Metabolic Syndrome. <i>Clinical Complementary Medicine and Pharmacology</i> , 2022, 2, 100058.	0.9	4

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73	Toxicity Evaluation, HET-CAM Irritation, and Anti-Irritant Potential of Rice Bran Wax Policosanol Nanoemulsion. <i>Journal of Nano Research</i> , 2017, 49, 44-55.	0.8	3
74	Nanoemulsification of Rice Bran Wax Policosanol Enhances Its Cardio-protective Effects via Modulation of Hepatic Peroxisome Proliferator-activated Receptor gamma in Hyperlipidemic Rats. <i>Journal of Oleo Science</i> , 2020, 69, 1287-1295.	0.6	3
75	Evaluation of acute and sub-acute toxicity profile of 5-methylcoumarin-4 <sup>β</sup> -glucoside in mice. <i>Toxicology Reports</i> , 2022, 9, 366-372.	1.6	3
76	Effects of the Aqueous Extracts of <i>Rhodamnia cinerea</i> on Metabolic indices and Sorbitol-Related Complications in Type 2 Diabetic Rats. <i>Sains Malaysiana</i> , 2017, 46, 589-595.	0.3	2
77	Lifestyle and preventive medical epigenetics. , 2021, , 33-50.		1
78	Prophylactic Use of Natural Products against Developmentally Programmed Metabolic Syndrome. <i>Planta Medica</i> , 2021, , .	0.7	1
79	Rodent models of metabolic disorders: considerations for use in studies of neonatal programming. <i>British Journal of Nutrition</i> , 2022, 128, 802-827.	1.2	1
80	Correlation of Mortality Burdens of Cerebrovascular Disease and Diabetes Mellitus with Domestic Consumption of Soya and Palm Oils. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5410.	1.2	0
81	5,6-dehydrokawain improves glycaemic control by modulating AMPK target genes in <i>Drosophila</i> with a high-sucrose diet-induced hyperglycaemia. <i>Phytomedicine Plus</i> , 2022, 2, 100261.	0.9	0
82	Edible Bird's Nest Regulates Hepatic Cholesterol Metabolism through Transcriptional Regulation of Cholesterol Related Genes. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	0.5	0