

Mohamed Z Gad

List of Publications by Year in descending order

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84
papers

1,829
citations

257101

24
h-index

301761

39
g-index

85
all docs

85
docs citations

85
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective effect of vitamin E, β -carotene and N-acetylcysteine from the brain oxidative stress induced in rats by lipopolysaccharide. <i>International Journal of Biochemistry and Cell Biology</i> , 2001, 33, 475-482.	1.2	105
2	Effect of Cadmium and Aluminum Intake on the Antioxidant Status and Lipid Peroxidation in Rat Tissues. <i>Journal of Biochemical and Molecular Toxicology</i> , 2001, 15, 207-214.	1.4	90
3	Biochemical study of the anti-diabetic action of the Egyptian plants Fenugreek and Balanites. <i>Molecular and Cellular Biochemistry</i> , 2006, 281, 173-183.	1.4	87
4	Long non-coding RNAs: Functional regulatory players in breast cancer. <i>Non-coding RNA Research</i> , 2019, 4, 36-44.	2.4	82
5	Anti-aging effects of L-arginine. <i>Journal of Advanced Research</i> , 2010, 1, 169-177.	4.4	80
6	A Comparative Metabolomics Approach Reveals Early Biomarkers for Metabolic Response to Acute Myocardial Infarction. <i>Scientific Reports</i> , 2016, 6, 36359.	1.6	70
7	Protective role of nitric oxide in indomethacin-induced gastric ulceration by a mechanism independent of gastric acid secretion. <i>Pharmacological Research</i> , 2001, 43, 463-467.	3.1	68
8	L-carnitine prevents the progression of atherosclerotic lesions in hypercholesterolaemic rabbits. <i>Pharmacological Research</i> , 2001, 44, 235-242.	3.1	61
9	Increased Plasma Endothelin-1 and Cardiac Nitric Oxide during Doxorubicin-Induced Cardiomyopathy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2001, 89, 140-144.	0.0	61
10	MicroRNA-486-5p and microRNA-486-3p: Multifaceted pleiotropic mediators in oncological and non-oncological conditions. <i>Non-coding RNA Research</i> , 2020, 5, 11-21.	2.4	58
11	The long noncoding RNA sONE represses triple-negative breast cancer aggressiveness through inducing the expression of miR-34a, miR-15a, miR-16, and let-7a. <i>Journal of Cellular Physiology</i> , 2019, 234, 20286-20297.	2.0	49
12	Lecithin:Retinol Acyltransferase and Retinyl Ester Hydrolase Activities Are Differentially Regulated by Retinoids and Have Distinct Distributions between Hepatocyte and Nonparenchymal Cell Fractions of Rat Liver. <i>Journal of Nutrition</i> , 1997, 127, 218-224.	1.3	48
13	Targeting hydrogen sulphide signaling in breast cancer. <i>Journal of Advanced Research</i> , 2021, 27, 177-190.	4.4	46
14	Omega-9 fatty acids: potential roles in inflammation and cancer management. <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 48.	1.5	44
15	A novel role of sONE/NOS3/NO signaling cascade in mediating hydrogen sulphide bilateral effects on triple negative breast cancer progression. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 80, 12-23.	1.2	43
16	STUDY OF THE HYPOLIPIDEMIC PROPERTIES OF PECTIN, GARLIC AND GINSENG IN HYPERCHOLESTEROLEMIC RABBITS. <i>Pharmacological Research</i> , 1999, 39, 157-166.	3.1	42
17	A methoxylated quercetin glycoside harnesses HCC tumor progression in a TP53/miR-15/miR-16 dependent manner. <i>Natural Product Research</i> , 2020, 34, 1475-1480.	1.0	40
18	LncRNA HEIH/miR-939-5p interplay modulates triple-negative breast cancer progression through NOS2 α -induced nitric oxide production. <i>Journal of Cellular Physiology</i> , 2021, 236, 5362-5372.	2.0	35

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19	Oxidative Stress and Asymmetric Dimethylarginine Are Associated with Cardiovascular Complications in Hemodialysis Patients: Improvements by L-Arginine Intake. <i>Kidney and Blood Pressure Research</i> , 2008, 31, 189-195.	0.9	33
20	Effect of various stressors on the levels of lipid peroxide, antioxidants and Na ⁺ , K ⁺ -ATPase activity in rat brain. <i>Experientia</i> , 1996, 52, 336-339.	1.2	31
21	Overexpression of NMDAR2B in an inflammatory model of Alzheimer's disease: Modulation by NOS inhibitors. <i>Brain Research Bulletin</i> , 2014, 109, 109-116.	1.4	31
22	Lipid peroxidation and lysosomal integrity in different inflammatory models in rats: The effects of indomethacin and naftazone. <i>Pharmacological Research</i> , 1995, 32, 279-285.	3.1	29
23	An acetylated derivative of vitexin halts MDA-MB-231 cellular progression and improves its immunogenic profile through tuning miR- 20a-MICA/B axis. <i>Natural Product Research</i> , 2021, 35, 3126-3130.	1.0	28
24	MALAT-1/p53/miR-155/miR-146a ceRNA circuit tuned by methoxylated quercetin glycoside alters immunogenic and oncogenic profiles of breast cancer. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1281-1293.	1.4	27
25	Investigation of brain-derived neurotrophic factor (BDNF) gene expression in hypothalamus of obese rats: Modulation by omega-3 fatty acids. <i>Nutritional Neuroscience</i> , 2017, 20, 443-448.	1.5	25
26	Endothelial Nitric Oxide Synthase (G894T) Gene Polymorphism in a Random Sample of the Egyptian Population: Comparison with Myocardial Infarction Patients. <i>Genetic Testing and Molecular Biomarkers</i> , 2012, 16, 695-700.	0.3	23
27	Vitamin D Deficiency and Cardiovascular Disease: Potential Mechanisms and Novel Perspectives. <i>Journal of Nutritional Science and Vitaminology</i> , 2013, 59, 479-488.	0.2	23
28	Vitamin D receptor gene polymorphisms (TaqI and ApaI) in relation to 25-hydroxyvitamin D levels and coronary artery disease incidence. <i>Journal of Receptor and Signal Transduction Research</i> , 2015, 35, 391-395.	1.3	21
29	Anti-Allergic Hormone as a Diagnostic Marker in Egyptian Infertile Polycystic Ovary Syndrome Females: Correlations with Vitamin D, Total Testosterone, Dyslipidemia and Anthropometric Parameters. <i>Journal of Medical Biochemistry</i> , 2018, 37, 448-455.	0.7	21
30	Ozonated Olive Oil: Enhanced Cutaneous Delivery via Niosomal Nanovesicles for Melanoma Treatment. <i>Antioxidants</i> , 2022, 11, 1318.	2.2	21
31	Insights on Vitamin D's Role in Cardiovascular Disease: Investigating the Association of 25-Hydroxyvitamin D with the Dimethylated Arginines. <i>Journal of Nutritional Science and Vitaminology</i> , 2013, 59, 172-177.	0.2	20
32	Triangular relationship between single nucleotide polymorphisms in the CYP2R1 gene (rs10741657 and rs10741658) and 25-hydroxyvitamin D levels in Egyptian population. <i>Journal of Nutritional Science and Vitaminology</i> , 2013, 59, 488-492.	0.9	20
33	The Role of Nitric Oxide from Neurological Disease to Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1007, 71-88.	0.8	20
34	AGXT2 and DDAH-1 genetic variants are highly correlated with serum ADMA and SDMA levels and with incidence of coronary artery disease in Egyptians. <i>Molecular Biology Reports</i> , 2018, 45, 2411-2419.	1.0	20
35	Genetic variation in vitamin D receptor gene (FokI:rs2228570) is associated with risk of coronary artery disease. <i>Biomarkers</i> , 2016, 21, 68-72.	0.9	17
36	Over a century since ephedrine discovery: an updated revisit to its pharmacological aspects, functionality and toxicity in comparison to its herbal extracts. <i>Food and Function</i> , 2021, 12, 9563-9582.	2.1	16

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37	Assessment of serum levels of asymmetric dimethylarginine, symmetric dimethylarginine and L-arginine in coronary artery disease. <i>Biomarkers</i> , 2010, 15, 746-752.	0.9	15
38	C242T polymorphism of NADPH oxidase p22phox gene reduces the risk of coronary artery disease in a random sample of Egyptian population. <i>Molecular Biology Reports</i> , 2014, 41, 2281-2286.	1.0	14
39	Design-of-Experiment Approach for HPLC Analysis of 25-Hydroxyvitamin D: A Comparative Assay with ELISA. <i>Journal of Chromatographic Science</i> , 2015, 53, 66-72.	0.7	14
40	What is beyond LncRNAs in breast cancer: A special focus on colon cancer-associated Transcript-1 (CCAT-1). <i>Non-coding RNA Research</i> , 2021, 6, 174-186.	2.4	14
41	Modulation of Nitric Oxide Synthesis in Inflammation. <i>Arzneimittelforschung</i> , 2000, 50, 449-455.	0.5	13
42	Protective Effect of L-Arginine in Experimentally Induced Myocardial Ischemia: Comparison With Aspirin. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2011, 16, 53-62.	1.0	13
43	Effect of Polymorphisms in the NADSYN1/DHCR7 Locus (rs12785878 and rs1790349) on Plasma 25-Hydroxyvitamin D Levels and Coronary Artery Disease Incidence. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2013, 6, 327-335.	1.8	13
44	miR-744/eNOS/NO axis: A novel target to halt triple negative breast cancer progression. <i>Breast Disease</i> , 2021, 40, 161-169.	0.4	13
45	Association of suboptimal 25-hydroxyvitamin D levels with knee osteoarthritis incidence in post-menopausal Egyptian women. <i>Rheumatology International</i> , 2013, 33, 2903-2907.	1.5	12
46	miRNA-506-3p Directly Regulates rs10754339 (A/G) in the Immune Checkpoint Protein B7-H4 in Breast Cancer. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2021, 9, 346-353.	0.6	12
47	Association of DDAH2 gene polymorphism with cardiovascular disease in Egyptian patients. <i>Journal of Genetics</i> , 2011, 90, 161-163.	0.4	10
48	Addressing the link between paraoxonase-1 gene variants and the incidence of early onset myocardial infarction. <i>Archives of Medical Science</i> , 2015, 3, 513-520.	0.4	10
49	Point-of-care testing and optimization of sample treatment for fluorometric determination of hydrogen sulphide in plasma of cardiovascular patients. <i>Journal of Advanced Research</i> , 2021, 27, 1-10.	4.4	10
50	Uncoupling tumor necrosis factor- α and interleukin-10 at tumor immune microenvironment of breast cancer through miR-17-5p/MALAT-1/H19 circuit. <i>Biocell</i> , 2022, 46, 769-783.	0.4	10
51	Increased Plasma Endothelin-1 and Cardiac Nitric Oxide during Doxorubicin-Induced Cardiomyopathy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2001, 89, 140-144.	0.0	9
52	The association of megalin and cubilin genetic variants with serum levels of 25-hydroxyvitamin D and the incidence of acute coronary syndrome in Egyptians: A case control study. <i>Journal of Advanced Research</i> , 2020, 21, 49-56.	4.4	8
53	Lactoperoxidase catalyzes in vitro activation of acrylonitrile to cyanide. <i>Toxicology Letters</i> , 2009, 191, 347-352.	0.4	7
54	Changes in ADMA and TAFI levels after stenting in coronary artery disease patients. <i>Molecular Medicine Reports</i> , 2012, 6, 855-859.	1.1	7

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55	Diagnostic Value of Serum Lactate Dehydrogenase Isoenzyme and Amino Acid Patterns in Several Schistosomal and Non-Schistosomal Disorders as Compared to other Biochemical Parameters. <i>Disease Markers</i> , 1996, 13, 19-29.	0.6	6
56	Rolipram Rescues Memory Consolidation Deficits Caused by Sleep Deprivation: Implication of the cAMP/PKA and cAMP/Epac Pathways. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 631-639.	0.8	6
57	Genetic Variants of CYP2R1 Are Key Regulators of Serum Vitamin D Levels and Incidence of Myocardial Infarction in Middle-Aged Egyptians. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 265-273.	0.9	6
58	Pioglitazone versus metformin in two rat models of glucose intolerance and diabetes. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2010, 23, 305-12.	0.2	6
59	Interplay of vitamin D and nitric oxide in post-menopausal knee osteoarthritis. <i>Aging Clinical and Experimental Research</i> , 2014, 26, 363-368.	1.4	5
60	Investigating the Cardio-Protective Abilities of Supplemental L-Arginine on Parameters of Endothelial Function in a Hypercholesterolemic Animal Model. <i>Journal of Nutritional Science and Vitaminology</i> , 2014, 60, 145-151.	0.2	5
61	T-786C variation in the promoter sequence of human <i>eNOS</i> gene markedly influences its expression level. <i>Drug Discoveries and Therapeutics</i> , 2017, 11, 193-197.	0.6	5
62	Contribution of CYP27B1 and CYP24A1 genetic variations to the incidence of acute coronary syndrome and to vitamin D serum level. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 1152-1158.	0.7	5
63	Association of Thrombospondin-1 (N700S) and Thrombospondin-4 (A387P) Gene Polymorphisms with the Incidence of Acute Myocardial Infarction in Egyptians. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 1078-1087.	0.9	5
64	32P Immunoregulatory loop between let-7a and CCAT1 lncRNA coordinated by c-Myc underlies the PD-1/PD-L1 immunoresistance in triple negative breast cancer patients. <i>Annals of Oncology</i> , 2021, 32, S1355.	0.6	5
65	Desert gene (Chr9p21) variants as novel markers for coronary artery disease. <i>Anatolian Journal of Cardiology</i> , 2017, 18, 84-89.	0.5	5
66	The distribution of non-specific carboxylesterases and glutathione S-transferases in different rat liver cells. <i>Biochemical Pharmacology</i> , 1994, 48, 139-144.	2.0	3
67	hsCRP, sICAM-1 and TAFI in Hemodialysis Patients: Linking Inflammation and Hypofibrinolysis to Cardiovascular Events. <i>Kidney and Blood Pressure Research</i> , 2008, 31, 391-397.	0.9	3
68	Investigating the link between MCP-1 A-2518G, RANTES G-403A, CX3CR1 V249I and MTHFR C677T gene polymorphisms and the risk of acute myocardial infarction among Egyptians. <i>Meta Gene</i> , 2017, 11, 181-188.	0.3	3
69	Independent assortment of <i>GC</i> gene polymorphism (rs2282679) and 25-hydroxyvitamin D levels in coronary artery disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 345-351.	0.7	3
70	28P Hijacking CCAT1/miR-17-5p axis alleviates immune checkpoint blockers resistance in PDL1+ TNBC patients. <i>Annals of Oncology</i> , 2021, 32, S12.	0.6	3
71	C(-260)T Polymorphism in CD14 Receptor Gene of Egyptians with Acute Myocardial Infarction. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 336-342.	0.9	3
72	Assessment of the link between endothelin K198n Snp, endothelin concentration and acute myocardial infarction in Egyptians. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 132-134.	0.9	2

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73	14P MALAT-1: A novel LncRNA modulating STAT-3 regulated cystathionine- β -lyase (CSE) in breast cancer. <i>Annals of Oncology</i> , 2021, 32, S7.	0.6	2
74	An intronic DHCR7 genetic polymorphism associates with vitamin D serum level and incidence of acute coronary syndrome. <i>Steroids</i> , 2021, 169, 108825.	0.8	2
75	Is there a correlation between -174(G/C) polymorphism of IL-6 gene and the incidence of acute myocardial infarction?. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 139.	1.5	2
76	Polymorphisms in the Vitamin D Pathway in Relation to 25-Hydroxyvitamin D Status and Cardiovascular Disease Incidence: Application to Biomarkers. , 2015, , 1-22.		1
77	101P Knocking down of cystathionine- β -lyase (CSE) in breast cancer alters PD-L1 expression pattern through tuning CCAT1/let-7a ceRNAs circuit. <i>Annals of Oncology</i> , 2020, 31, S1458.	0.6	1
78	Nitric Oxide Regulating Proteins as Biochemical and Genetic Markers of Coronary Artery Disease. , 2015, , 1-27.		1
79	Polymorphisms in Gap Junction Proteins and their Role in Predisposition of Acute Myocardial Infarction in Egyptians. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 662-668.	0.9	1
80	Study of Some Inflammatory Factors in Type 2 Diabetic Patients with Nephropathy. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2008, 8, 532-539.	0.0	1
81	Regression of early events of atherosclerosis in hypercholesterolemic rabbits by prophylactic treatment with nitroderivative of acetyl salicylic acid. <i>Drug Development Research</i> , 2001, 53, 237-243.	1.4	0
82	Nitric Oxide Regulating Proteins as Biochemical and Genetic Markers of Coronary Artery Disease. , 2016, , 793-820.		0
83	Polymorphisms in the Vitamin D Pathway in Relation to 25-Hydroxyvitamin D Status and Cardiovascular Disease Incidence: Application to Biomarkers. , 2016, , 771-792.		0
84	Multivariate approach for optimization of galactomannan extraction from seeds of Egyptian <i>Trigonella foenum-graecum</i> with insights on its pharmacological activities. <i>Natural Product Research</i> , 2022, 36, 2125-2128.	1.0	0