

Kunka Mohanram Ramkumar

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,695
citations

159525

30
h-index

206029

48
g-index

80
all docs

80
docs citations

80
times ranked

3519
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary polyphenols as antidiabetic agents: Advances and opportunities. <i>Food Frontiers</i> , 2020, 1, 18-44.	3.7	182
2	The emerging role of redox-sensitive Nrf2-Keap1 pathway in diabetes. <i>Pharmacological Research</i> , 2015, 91, 104-114.	3.1	123
3	Preparation of collagen peptide functionalized chitosan nanoparticles by ionic gelation method: An effective carrier system for encapsulation and release of doxorubicin for cancer drug delivery. <i>Materials Science and Engineering C</i> , 2017, 70, 378-385.	3.8	106
4	Therapeutic potential of pterostilbene against pancreatic beta cell apoptosis mediated through Nrf2. <i>British Journal of Pharmacology</i> , 2014, 171, 1747-1757.	2.7	99
5	Reversibility of endothelial dysfunction in diabetes: role of polyphenols. <i>British Journal of Nutrition</i> , 2016, 116, 223-246.	1.2	88
6	Association of NF-E2 Related Factor 2 (Nrf2) and inflammatory cytokines in recent onset Type 2 Diabetes Mellitus. <i>Scientific Reports</i> , 2018, 8, 5126.	1.6	86
7	Modulatory effects of gymnema montanum leaf extract on alloxan-induced oxidative stress in wistar rats. <i>Nutrition</i> , 2004, 20, 280-285.	1.1	75
8	Luteolin ameliorates cisplatin-induced acute kidney injury in mice by regulation of p53-dependent renal tubular apoptosis. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 814-822.	0.4	74
9	Pterostilbene Ameliorates Streptozotocin-Induced Diabetes through Enhancing Antioxidant Signaling Pathways Mediated by Nrf2. <i>Chemical Research in Toxicology</i> , 2016, 29, 47-57.	1.7	64
10	Pterostilbene-mediated Nrf2 activation: Mechanistic insights on Keap1:Nrf2 interface. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3378-3386.	1.4	63
11	Anti-hyperlipidemic and anti-peroxidative role of pterostilbene via Nrf2 signaling in experimental diabetes. <i>European Journal of Pharmacology</i> , 2016, 777, 9-16.	1.7	62
12	Oxidative stress-mediated cytotoxicity and apoptosis induction by TiO2 nanofibers in HeLa cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 324-333.	2.0	59
13	Quercetin ameliorates tunicamycin-induced endoplasmic reticulum stress in endothelial cells. <i>Cell Proliferation</i> , 2014, 47, 231-240.	2.4	58
14	Effect of Gymnema montanum Leaves on Serum and Tissue Lipids in Alloxan Diabetic Rats. <i>Experimental Diabetes Research</i> , 2003, 4, 183-189.	1.0	57
15	Inhibitory effect of Gymnema Montanum leaves on α -glucosidase activity and α -amylase activity and their relationship with polyphenolic content. <i>Medicinal Chemistry Research</i> , 2010, 19, 948-961.	1.1	57
16	Role of pterostilbene in attenuating immune mediated devastation of pancreatic beta cells via Nrf2 signaling cascade. <i>Journal of Nutritional Biochemistry</i> , 2017, 44, 11-21.	1.9	57
17	Morin activates the Nrf2-ARE pathway and reduces oxidative stress-induced DNA damage in pancreatic beta cells. <i>European Journal of Pharmacology</i> , 2017, 801, 9-18.	1.7	53
18	Purification and characterization of a novel plant-type carbonic anhydrase from <i>Bacillus subtilis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 32-37.	1.4	52

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19	Modulatory effects of morin on hyperglycemia by attenuating the hepatic key enzymes of carbohydrate metabolism and β -cell function in streptozotocin-induced diabetic rats. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 326-335.	2.0	52
20	Macrophage mediation in normal and diabetic wound healing responses. <i>Inflammation Research</i> , 2020, 69, 347-363.	1.6	50
21	Reporter Protein Complementation Imaging Assay to Screen and Study Nrf2 Activators in Cells and Living Animals. <i>Analytical Chemistry</i> , 2013, 85, 7542-7549.	3.2	46
22	Unraveling the role of ER stress inhibitors in the context of metabolic diseases. <i>Pharmacological Research</i> , 2017, 119, 412-421.	3.1	46
23	Antidiabetic activity of alcoholic stem extract of <i>Gymnema montanum</i> in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2011, 49, 3390-3394.	1.8	45
24	Increased levels of circulating (TNF- α) is associated with (-308G/A) promoter polymorphism of TNF- α gene in Diabetic Nephropathy. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2113-2121.	3.6	45
25	Role of Nrf2 in MALAT1/ HIF-1 α loop on the regulation of angiogenesis in diabetic foot ulcer. <i>Free Radical Biology and Medicine</i> , 2020, 156, 168-175.	1.3	45
26	Tissue-specific role of Nrf2 in the treatment of diabetic foot ulcers during hyperbaric oxygen therapy. <i>Free Radical Biology and Medicine</i> , 2019, 138, 53-62.	1.3	44
27	Pharmacological activation of Nrf2 promotes wound healing. <i>European Journal of Pharmacology</i> , 2020, 886, 173395.	1.7	42
28	Role of circRNA-miRNA-mRNA interaction network in diabetes and its associated complications. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 1291-1302.	2.3	41
29	The pivotal role of nuclear factor erythroid 2-related factor 2 in diabetes-induced endothelial dysfunction. <i>Pharmacological Research</i> , 2020, 153, 104601.	3.1	39
30	Antidiabetic effect of <i>Gymnema montanum</i> leaves: effect on lipid peroxidation induced oxidative stress in experimental diabetes. <i>Pharmacological Research</i> , 2003, 48, 551-556.	3.1	37
31	Targeting Nrf2/Keap1 signaling pathway by bioactive natural agents: Possible therapeutic strategy to combat liver disease. <i>Phytomedicine</i> , 2021, 92, 153755.	2.3	35
32	Crosstalk between endoplasmic reticulum stress and oxidative stress in the progression of diabetic nephropathy. <i>Cell Stress and Chaperones</i> , 2021, 26, 311-321.	1.2	33
33	Crosstalk between endoplasmic reticulum stress and oxidative stress: Focus on protein disulfide isomerase and endoplasmic reticulum oxidase 1. <i>European Journal of Pharmacology</i> , 2021, 892, 173749.	1.7	33
34	Protective effect of gallic acid on alloxan-induced oxidative stress and osmotic fragility in rats. <i>Human and Experimental Toxicology</i> , 2014, 33, 638-649.	1.1	31
35	Vitexin restores pancreatic β -cell function and insulin signaling through Nrf2 and NF- κ B signaling pathways. <i>European Journal of Pharmacology</i> , 2020, 888, 173606.	1.7	31
36	Ethanol extract of <i>Gymnema montanum</i> leaves reduces glycoprotein components in experimental diabetes. <i>Nutrition Research</i> , 2007, 27, 97-103.	1.3	29

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37	MicroRNA mediated regulation of the major redox homeostasis switch, Nrf2, and its impact on oxidative stress-induced ischemic/reperfusion injury. Archives of Biochemistry and Biophysics, 2021, 698, 108725.	1.4	29
38	Phytochemical and Antimicrobial Study of an Antidiabetic Plant: Scoparia dulcis L.. Journal of Medicinal Food, 2006, 9, 391-394.	0.8	25
39	Emerging role of long non-coding RNAs in endothelial dysfunction and their molecular mechanisms. Biomedicine and Pharmacotherapy, 2022, 145, 112421.	2.5	25
40	MODULATION OF IMPAIRED CHOLINESTERASE ACTIVITY IN EXPERIMENTAL DIABETES: EFFECT OF <i>Gymnema montanum</i> LEAF EXTRACT. Journal of Basic and Clinical Physiology and Pharmacology, 2005, 16, 17-36.	0.7	24
41	The Impact of Oxidative Stress on Islet Transplantation and Monitoring the Graft Survival by Non-Invasive Imaging. Current Medicinal Chemistry, 2013, 20, 1127-1146.	1.2	24
42	Antioxidant Potential of Naringenin Helps to Protect Liver Tissue from Streptozotocin-Induced Damage. Reports of Biochemistry and Molecular Biology, 2018, 7, 76-84.	0.5	24
43	<i>Gymnema montanum</i> H. Protects Against Alloxan-induced Oxidative Stress and Apoptosis in Pancreatic β^2 -cells. Cellular Physiology and Biochemistry, 2009, 24, 429-440.	1.1	22
44	Potential in vitro antioxidant and protective effects of <i>Gymnema montanum</i> H. on alloxan-induced oxidative damage in pancreatic β^2 -cells, HIT-T15. Food and Chemical Toxicology, 2009, 47, 2246-2256.	1.8	22
45	Protective effect of <i>Gymnema montanum</i> against renal damage in experimental diabetic rats. Food and Chemical Toxicology, 2009, 47, 2516-2521.	1.8	22
46	Establishment of pancreatic microenvironment model of ER stress: Quercetin attenuates β^2 -cell apoptosis by invoking nitric oxide-cGMP signaling in endothelial cells. Journal of Nutritional Biochemistry, 2018, 55, 142-156.	1.9	20
47	Effect of <i>Gymnema montanum</i> on Blood Glucose, Plasma Insulin, and Carbohydrate Metabolic Enzymes in Alloxan-Induced Diabetic Rats. Journal of Medicinal Food, 2003, 6, 43-49.	0.8	18
48	Gene Expression Profiling of Multiple Histone Deacetylases (HDAC) and Its Correlation with NRF2-Mediated Redox Regulation in the Pathogenesis of Diabetic Foot Ulcers. Biomolecules, 2020, 10, 1466.	1.8	18
49	The pivotal role of Nrf2 activators in adipocyte biology. Pharmacological Research, 2021, 173, 105853.	3.1	18
50	<i>In vitro</i> cytotoxicity of <i>Gymnema montanum</i> in human leukaemia HL-60 cells; induction of apoptosis by mitochondrial membrane potential collapse. Cell Proliferation, 2013, 46, 263-271.	2.4	16
51	Proteomic Identification of Pterostilbene-Mediated Anticancer Activities in HepG2 Cells. Chemical Research in Toxicology, 2014, 27, 1243-1252.	1.7	15
52	YKL-40: A biomarker for early nephropathy in type 2 diabetic patients and its association with inflammatory cytokines. Immunobiology, 2018, 223, 718-727.	0.8	15
53	Effect of <i>Gymnema montanum</i> leaves on red blood cell resistance to oxidative stress in experimental diabetes. Cell Biology and Toxicology, 2008, 24, 233-241.	2.4	14
54	In vitro evaluation of free radical scavenging activity of <i>Codariocalyx motorius</i> root extract. Asian Pacific Journal of Tropical Medicine, 2013, 6, 188-194.	0.4	14

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55	Targeting SUMOylation Cascade for Diabetes Management. <i>Current Drug Targets</i> , 2014, 15, 1094-1106.	1.0	14
56	Genetic Polymorphism of the Nrf2 Promoter Region (rs35652124) Is Associated with the Risk of Diabetic Foot Ulcers. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-9.	1.9	13
57	Food restriction attenuates blood lipid peroxidation in carbon tetrachloride-intoxicated rats. <i>Nutrition</i> , 2003, 19, 358-362.	1.1	12
58	Differential proteomic profiling identifies novel molecular targets of pterostilbene against experimental diabetes. <i>Journal of Cellular Physiology</i> , 2019, 234, 1996-2012.	2.0	12
59	Role of long non-coding RNAs on the regulation of Nrf2 in chronic diseases. <i>Life Sciences</i> , 2021, 270, 119025.	2.0	12
60	Association between Tumor Prognosis Marker Visfatin and Proinflammatory Cytokines in Hypertensive Patients. <i>BioMed Research International</i> , 2021, 2021, 1-7.	0.9	11
61	Association of single-nucleotide polymorphisms of the KEAP1 gene with the risk of various human diseases and its functional impact using in silico analysis. <i>Pharmacological Research</i> , 2018, 137, 205-218.	3.1	10
62	Effect of fish oil pretreatment on isoproterenol-induced changes in myocardial membrane phospholipids. <i>Nutrition</i> , 2006, 22, 1171-1176.	1.1	9
63	Modulatory Effect of Fish Oil on the Myocardial Antioxidant Defense System in Isoproterenol-Induced Myocardial Infarction. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2006, 17, 1-16.	0.7	9
64	Effect of Rosolic acid on endothelial dysfunction under ER stress in pancreatic microenvironment. <i>Free Radical Research</i> , 2021, 55, 887-902.	1.5	9
65	Circulatory levels of Cell activating factor of the TNF family in patients with diabetic foot ulcer: Association with disease progression. <i>Wound Repair and Regeneration</i> , 2019, 27, 442-449.	1.5	8
66	Pharmacological Activation of Nrf2 by Rosolic Acid Attenuates Endoplasmic Reticulum Stress in Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	1.9	8
67	Dysregulation of Nrf2 redox pathway in macrophages under diabetic microenvironment. <i>Experimental Gerontology</i> , 2021, 152, 111479.	1.2	8
68	Antihyperglycemic effect of Codariocalyx motorius modulated carbohydrate metabolic enzyme activities in streptozotocin-induced diabetic rats. <i>Journal of Functional Foods</i> , 2014, 11, 517-527.	1.6	7
69	Metabolic reprogramming and immune regulation in viral diseases. <i>Reviews in Medical Virology</i> , 2022, 32, e2268.	3.9	7
70	Role of ER stress inhibitors in the management of diabetes. <i>European Journal of Pharmacology</i> , 2022, 922, 174893.	1.7	7
71	Analysis of the Exonic Single Nucleotide Polymorphism rs182428269 of the NRF2 Gene in Patients with Diabetic Foot Ulcer. <i>Archives of Medical Research</i> , 2021, 52, 224-232.	1.5	6
72	SHORT-TERM DIETARY RESTRICTION MODULATES LIVER LIPID PEROXIDATION IN CARBON TETRACHLORIDE-INTOXICATED RATS. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2005, 16, 245-256.	0.7	5

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73	Antigenotoxic potential of <i>Gymnema montanum</i> leaves on DNA damage in human peripheral blood lymphocytes and HL60 cell line. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 285-293.	0.9	5
74	Caffeic acid and protocatechuic acid modulate Nrf2 and inhibit Ehrlich ascites carcinomas in mice. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2021, 11, 244.	0.5	5
75	Nrf2 driven macrophage responses in diverse pathophysiological contexts: Disparate pieces from a shared molecular puzzle. <i>BioFactors</i> , 2022, 48, 795-812.	2.6	5
76	<i>Gymnema montanum</i> improves endothelial function via inhibition of endoplasmic reticulum stress by activating Nrf2 signaling. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2020, 10, 379.	0.5	4
77	Association of Fetuin-A with Thr256Ser exon polymorphism of α_2 -Heremans Schmid Glycoprotein (AHSG) gene in type 2 diabetic patients with overt nephropathy. <i>Journal of Diabetes and Its Complications</i> , 2022, 36, 108074.	1.2	3
78	Acetyl-L-Carnitine Restores Abnormal Lipid Metabolism Induced by 2,3,7,8-Tetrachlorodibenzo-p-dioxin in Mice. <i>Biomedical and Pharmacology Journal</i> , 2017, 10, 569-576.	0.2	2
79	Immune-mediated Sensorineural Hearing Loss: Patho-Mechanisms and Therapeutic Strategies. <i>Turkish Journal of Immunology</i> , 0, 7, .	0.1	0
80	Role of Cytokines on Fetal Immune Programming. <i>Turkish Journal of Immunology</i> , 0, 7, .	0.1	0