

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	Metabolic reprogramming and immune regulation in viral diseases. <i>Reviews in Medical Virology</i> , 2022, 32, e2268.	3.9	7
2	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
3	Emerging role of long non-coding RNAs in endothelial dysfunction and their molecular mechanisms. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112421.	2.5	25
4	Role of ER stress inhibitors in the management of diabetes. <i>European Journal of Pharmacology</i> , 2022, 922, 174893.	1.7	7
5	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
6	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
7	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
8	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
9	MicroRNA mediated regulation of the major redox homeostasis switch, Nrf2, and its impact on oxidative stress-induced ischemic/reperfusion injury. <i>Archives of Biochemistry and Biophysics</i> , 2021, 698, 108725.	1.4	29
10	Association between Tumor Prognosis Marker Visfatin and Proinflammatory Cytokines in Hypertensive Patients. <i>BioMed Research International</i> , 2021, 2021, 1-7.	0.9	11
11	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
12	Role of long non-coding RNAs on the regulation of Nrf2 in chronic diseases. <i>Life Sciences</i> , 2021, 270, 119025.	2.0	12
13	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
14	Dysregulation of Nrf2 redox pathway in macrophages under diabetic microenvironment. <i>Experimental Gerontology</i> , 2021, 152, 111479.	1.2	8
15	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
16	The pivotal role of Nrf2 activators in adipocyte biology. <i>Pharmacological Research</i> , 2021, 173, 105853.	3.1	18
17	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
18	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

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19	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
20	Pharmacological activation of Nrf2 promotes wound healing. <i>European Journal of Pharmacology</i> , 2020, 886, 173395.	1.7	42
21	Gene Expression Profiling of Multiple Histone Deacetylases (HDAC) and Its Correlation with NRF2-Mediated Redox Regulation in the Pathogenesis of Diabetic Foot Ulcers. <i>Biomolecules</i> , 2020, 10, 1466.	1.8	18
22	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
23	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
24	Macrophage mediation in normal and diabetic wound healing responses. <i>Inflammation Research</i> , 2020, 69, 347-363.	1.6	50
25	Dietary polyphenols as antidiabetic agents: Advances and opportunities. <i>Food Frontiers</i> , 2020, 1, 18-44.	3.7	182
26	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
27	<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
28	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
29	Circulatory levels of κ 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
30	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
31	Establishment of pancreatic microenvironment model of ER stress: Quercetin attenuates β -cell apoptosis by invoking nitric oxide-cGMP signaling in endothelial cells. <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 142-156.	1.9	20
32	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
33	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
34	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
35	YKL-40: A biomarker for early nephropathy in type 2 diabetic patients and its association with inflammatory cytokines. <i>Immunobiology</i> , 2018, 223, 718-727.	0.8	15
36	Antioxidant Potential of Naringenin Helps to Protect Liver Tissue from Streptozotocin-Induced Damage. <i>Reports of Biochemistry and Molecular Biology</i> , 2018, 7, 76-84.	0.5	24

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37	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
38	Unraveling the role of ER stress inhibitors in the context of metabolic diseases. <i>Pharmacological Research</i> , 2017, 119, 412-421.	3.1	46
39	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
40	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
41	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
42	Pterostilbene-mediated Nrf2 activation: Mechanistic insights on Keap1:Nrf2 interface. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3378-3386.	1.4	63
43	Reversibility of endothelial dysfunction in diabetes: role of polyphenols. <i>British Journal of Nutrition</i> , 2016, 116, 223-246.	1.2	88
44	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
45	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
46	The emerging role of redox-sensitive Nrf2-Keap1 pathway in diabetes. <i>Pharmacological Research</i> , 2015, 91, 104-114.	3.1	123
47	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
48	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
49	Antihyperglycemic effect of <i>Codariocalyx motorius</i> modulated carbohydrate metabolic enzyme activities in streptozotocin-induced diabetic rats. <i>Journal of Functional Foods</i> , 2014, 11, 517-527.	1.6	7
50	Proteomic Identification of Pterostilbene-Mediated Anticancer Activities in HepG2 Cells. <i>Chemical Research in Toxicology</i> , 2014, 27, 1243-1252.	1.7	15
51	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
52	Quercetin ameliorates tunicamycin-induced endoplasmic reticulum stress in endothelial cells. <i>Cell Proliferation</i> , 2014, 47, 231-240.	2.4	58
53	Targeting SUMOylation Cascade for Diabetes Management. <i>Current Drug Targets</i> , 2014, 15, 1094-1106.	1.0	14
54	In vitro evaluation of free radical scavenging activity of <i>Codariocalyx motorius</i> root extract. <i>Asian Pacific Journal of Tropical Medicine</i> , 2013, 6, 188-194.	0.4	14

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55	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
56	<i>In vitro</i> cytotoxicity of <i>Gymnema montanum</i> in human leukaemia HL60 cells; induction of apoptosis by mitochondrial membrane potential collapse. <i>Cell Proliferation</i> , 2013, 46, 263-271.	2.4	16
57	The Impact of Oxidative Stress on Islet Transplantation and Monitoring the Graft Survival by Non-Invasive Imaging. <i>Current Medicinal Chemistry</i> , 2013, 20, 1127-1146.	1.2	24
58	Oxidative stress-mediated cytotoxicity and apoptosis induction by TiO ₂ nanofibers in HeLa cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 324-333.	2.0	59
59	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
60	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
61	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
62	Inhibitory effect of <i>Gymnema Montanum</i> 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
63	<i>Gymnema montanum</i> H. Protects Against Alloxan-induced Oxidative Stress and Apoptosis in Pancreatic β^2 -cells. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 429-440.	1.1	22
64	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
65	Potential <i>in vitro</i> antioxidant and protective effects of <i>Gymnema montanum</i> H. on alloxan-induced oxidative damage in pancreatic β^2 -cells, HIT-T15. <i>Food and Chemical Toxicology</i> , 2009, 47, 2246-2256.	1.8	22
66	Protective effect of <i>Gymnema montanum</i> against renal damage in experimental diabetic rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 2516-2521.	1.8	22
67	Effect of <i>Gymnema montanum</i> leaves on red blood cell resistance to oxidative stress in experimental diabetes. <i>Cell Biology and Toxicology</i> , 2008, 24, 233-241.	2.4	14
68	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
69	Phytochemical and Antimicrobial Study of an Antidiabetic Plant: <i>Scoparia dulcis</i> L. <i>Journal of Medicinal Food</i> , 2006, 9, 391-394.	0.8	25
70	Effect of fish oil pretreatment on isoproterenol-induced changes in myocardial membrane phospholipids. <i>Nutrition</i> , 2006, 22, 1171-1176.	1.1	9
71	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
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	MODULATION OF IMPAIRED CHOLINESTERASE ACTIVITY IN EXPERIMENTAL DIABETES: EFFECT OF <i>Gymnema montanum</i> LEAF EXTRACT. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2005, 16, 17-36.	0.7	24
74	Modulatory effects of <i>gymnema montanum</i> leaf extract on alloxan-induced oxidative stress in wistar rats. <i>Nutrition</i> , 2004, 20, 280-285.	1.1	75
75	Food restriction attenuates blood lipid peroxidation in carbon tetrachloride-intoxicated rats. <i>Nutrition</i> , 2003, 19, 358-362.	1.1	12
76	Effect of <i>Gymnema montanum</i> on Blood Glucose, Plasma Insulin, and Carbohydrate Metabolic Enzymes in Alloxan-Induced Diabetic Rats. <i>Journal of Medicinal Food</i> , 2003, 6, 43-49.	0.8	18
77	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
78	Effect of <i>Gymnema montanum</i> Leaves on Serum and Tissue Lipids in Alloxan Diabetic Rats. <i>Experimental Diabetes Research</i> , 2003, 4, 183-189.	1.0	57
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