Gino A Kurian

List of Publications by Year
in descending order

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74 papers	1,350 citations	393982 19 h-index	395343 33 g-index
74 all docs	74 docs citations	74 times ranked	1790 citing authors

#	Article	IF	Citations
1	Diabetic cardiomyopathy attenuated the protective effect of ischaemic post-conditioning against ischaemia-reperfusion injury in the isolated rat heart model. Archives of Physiology and Biochemistry, 2023, 129, 711-722.	1.0	7
2	PM_{2.5}from diesel exhaust attenuated fisetin mediated cytoprotection in H9c2 cardiomyocytes subjected to ischemia reoxygenation by inducing mitotoxicity. Drug and Chemical Toxicology, 2023, 46, 15-23.	1.2	8
3	FIsetin Preserves Interfibrillar Mitochondria to Protect Against Myocardial Ischemia-Reperfusion Injury. Cell Biochemistry and Biophysics, 2022, 80, 123-137.	0.9	8
4	Diesel particulate matter exposure deteriorates cardiovascular health and increases the sensitivity of rat heart towards ischemia reperfusion injury via suppressing mitochondrial bioenergetics function. Chemico-Biological Interactions, 2022, 351, 109769.	1.7	9
5	Hydrogen sulfide postconditioning rendered cardioprotection against myocardial ischemia-reperfusion injury is compromised in rats with diabetic cardiomyopathy.. Microvascular Research, 2022, 141, 104322.	1.1	7
6	Fisetin attenuates renal ischemia/reperfusion injury by improving mitochondrial quality, reducing apoptosis and oxidative stress. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 547-561.	1.4	8
7	Inhalation of PM_{2.5} from diesel exhaust promote impairment of mitochondrial bioenergetics and dysregulate mitochondrial quality in rat heart: implications in isoproterenol-induced myocardial infarction model. Inhalation Toxicology, 2022, 34, 107-119.	0.8	3
8	PM2.5 Exposure Lowers Mitochondrial Endurance During Cardiac Recovery in a Rat Model of Myocardial Infarction. Cardiovascular Toxicology, 2022, 22, 545-557.	1.1	6
9	Long-term administration of fisetin was not as effective as short term in ameliorating IR injury in isolated rat heart. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, , 1.	1.4	0
10	Recent advances in potential of Fisetin in the management of myocardial ischemia-reperfusion injuryâ€“A systematic review. Phytomedicine, 2022, 101, 154123.	2.3	15
11	Investigating the role of DNMT1 gene expression on myocardial ischemia reperfusion injury in rat and associated changes in mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148566.	0.5	7
12	Mitochondria and traffic-related air pollution linked coronary artery calcification: exploring the missing link. Reviews on Environmental Health, 2021, 36, 545-563.	1.1	2
13	Fisetin Attenuates Myocardial Ischemia-Reperfusion Injury by Activating the Reperfusion Injury Salvage Kinase (RISK) Signaling Pathway. Frontiers in Pharmacology, 2021, 12, 566470.	1.6	21
14	Resveratrol-mediated cardioprotection against myocardial ischemia-reperfusion injury was revoked by statin-induced mitochondrial alterations. Drug and Chemical Toxicology, 2021, , 1-9.	1.2	1
15	Inhibition of PI3K/mTOR/KATP channel blunts sodium thiosulphate preconditioning mediated cardioprotection against ischemiaâ€“reperfusion injury. Archives of Pharmacal Research, 2021, 44, 605-620.	2.7	4
16	Fisetin ameliorates ischemia re-oxygenation injury in H9c2 cardiomyocytes via targeting the PI3K signalling pathway. Phytomedicine Plus, 2021, 1, 100094.	0.9	3
17	Synthesis and characterization of mesoporous silica SBA 15 improved the efficacy of CORM-2 against hypoxia reoxygenation injury. Journal of Porous Materials, 2021, 28, 1969-1977.	1.3	6
18	Preconditioning the rat heart with 5â€¤azacytidine attenuates myocardial ischemia/reperfusion injury via PI3K/GSK3Î² and mitochondrial K_{ATP} signaling axis. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22911.	1.4	11

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19	Evaluating the effects of carbon monoxide releasing molecule-2 against myocardial ischemiaâ€“reperfusion injury in ovariectomized female rats. Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, 394, 2103-2115.	1.4	2
20	High-Fat Diet Increased Oxidative Stress and Mitochondrial Dysfunction Induced by Renal Ischemia-Reperfusion Injury in Rat. Frontiers in Physiology, 2021, 12, 715693.	1.3	11
21	Mitochondrial dysfunction plays a key role in the abrogation of cardioprotection by sodium hydrosulfide post-conditioning in diabetic cardiomyopathy rat heart. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 339-348.	1.4	5
22	Mechanism of Hydrogen Sulfide Preconditioning-Associated Protection Against Ischemiaâ€“Reperfusion Injury Differs in Diabetic Heart That Develops Myopathy. Cardiovascular Toxicology, 2020, 20, 155-167.	1.1	11
23	Beneficial effect of sodium thiosulfate extends beyond myocardial tissue in isoproterenol model of infarction: Implication for nootropic effects. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22606.	1.4	7
24	Diabetic animal fed with highâ€fat diet prevents the protective effect of myocardial ischemic preconditioning effect in isolated rat heart perfusion model. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22457.	1.4	4
25	Hydrogen sulfide-mediated cardioprotection against ischemia reperfusion is linked to KATP channel for mitochondrial preservation but not for its distinct preference on interfibrillar mitochondria. Bangladesh Journal of Pharmacology, 2019, 14, 107-115.	0.1	3
26	Addressing the alterations in cerebral ischemia-reperfusion injury on the brain mitochondrial activity: A possible link to cognitive decline. Biochemical and Biophysical Research Communications, 2019, 518, 100-106.	1.0	6
27	Hydrogen sulfide preconditioning could ameliorate reperfusion associated injury in diabetic cardiomyopathy rat heart through preservation of mitochondria. Biochimie, 2019, 158, 208-216.	1.3	16
28	Attenuation of cardiac ischemia-reperfusion injury by sodium thiosulfate is partially dependent on the effect of cystathione beta synthase in the myocardium. Cell Biochemistry and Biophysics, 2019, 77, 261-272.	0.9	13
29	Eventual analysis of global cerebral ischemia-reperfusion injury in rat brain: a paradigm of a shift in stress and its influence on cognitive functions. Cell Stress and Chaperones, 2019, 24, 581-594.	1.2	11
30	Preconditioning the rat heart with sodium thiosulfate preserved the mitochondria in response to ischemia-reperfusion injury. Journal of Bioenergetics and Biomembranes, 2019, 51, 189-201.	1.0	15
31	Streptozotocinâ€induced type II diabetic rat administered with nonobesogenic highâ€fat diet is highly susceptible to myocardial ischemiaâ€“reperfusion injury: An insight into the function of mitochondria. Journal of Cellular Physiology, 2019, 234, 4104-4114.	2.0	13
32	Evaluation of Chemical and Green Synthesized Iron Oxide Nanoparticlesâ€™ Associated Renal Toxicity in Different Experimental Models: A Comparative Study. Journal of Cluster Science, 2019, 30, 343-350.	1.7	3
33	Evaluating the impact of diabetes and diabetic cardiomyopathy rat heart on the outcome of ischemia-reperfusion associated oxidative stress. Free Radical Biology and Medicine, 2018, 118, 35-43.	1.3	24
34	Sodium thiosulfate mediated cardioprotection against myocardial ischemia-reperfusion injury is defunct in rat heart with co-morbidity of vascular calcification. Biochimie, 2018, 147, 80-88.	1.3	6
35	Mitochondrial dysfunction: a key player in the pathogenesis of cardiovascular diseases linked to air pollution. Reviews on Environmental Health, 2018, 33, 111-122.	1.1	39
36	Effect of Sodium Thiosulfate Postconditioning on Ischemia-Reperfusion Injury Induced Mitochondrial Dysfunction in Rat Heart. Journal of Cardiovascular Translational Research, 2018, 11, 246-258.	1.1	18

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37	Role of endogenous hydrogen sulfide in cardiac mitochondrial preservation during ischemia reperfusion injury. Biomedicine and Pharmacotherapy, 2018, 97, 271-279.	2.5	20
38	Evaluating the effect of green synthesised copper oxide nanoparticles on oxidative stress and mitochondrial function using murine model. IET Nanobiotechnology, 2018, 12, 669-672.	1.9	4
39	Fisetin Confers Cardioprotection against Myocardial Ischemia Reperfusion Injury by Suppressing Mitochondrial Oxidative Stress and Mitochondrial Dysfunction and Inhibiting Glycogen Synthase Kinase 3Î² Activity. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	1.9	64
40	Vascular calcification abrogates the nicorandil mediated cardio-protection in ischemia reperfusion injury of rat heart. Vascular Pharmacology, 2017, 89, 31-38.	1.0	9
41	Toxicity evaluation of silver nanoparticles synthesized by chemical and green route in different experimental models. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1721-1727.	1.9	26
42	The role of secretory phospholipases as therapeutic targets for the treatment of myocardial ischemia reperfusion injury. Biomedicine and Pharmacotherapy, 2017, 92, 7-16.	2.5	9
43	Sodium Thiosulfate Preconditioning Ameliorates Ischemia/Reperfusion Injury in Rat Hearts Via Reduction of Oxidative Stress and Apoptosis. Cardiovascular Drugs and Therapy, 2017, 31, 511-524.	1.3	41
44	Differential effect of aqueous Desmodium gangeticum root extract mediated TiO 2 nanoparticles on isolated mitochondria, cells and Wistar rats. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 1031-1035.	0.5	6
45	Erythrocyte Membrane Bound ATPase and Antioxidant Enzyme Changes Associated with Vascular Calcification is Reduced by Sodium Thiosulfate. Indian Journal of Clinical Biochemistry, 2017, 32, 487-492.	0.9	2
46	Sodium thiosulfate post-conditioning protects rat hearts against ischemia reperfusion injury via reduction of apoptosis and oxidative stress. Chemico-Biological Interactions, 2017, 274, 24-34.	1.7	41
47	Nicorandil attenuates neuronal mitochondrial dysfunction and oxidative stress associated with murine model of vascular calcification. Acta Neurobiologiae Experimentalis, 2017, 77, 57-67.	0.4	12
48	Renal mitochondria can withstand hypoxic/ischemic injury secondary to renal failure in uremic rats pretreated with sodium thiosulfate. Indian Journal of Pharmacology, 2017, 49, 317.	0.4	9
49	Hypoglycemic effect of poly-herbal combination in streptozotocin-induced diabetic rats. Bangladesh Journal of Pharmacology, 2016, 11, 364.	0.1	1
50	The Role of Oxidative Stress in Myocardial Ischemia and Reperfusion Injury and Remodeling: Revisited. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14.	1.9	227
51	Hydrogen sulfide preconditioning shows differential protection towards interfibrillar and subsarcolemmal mitochondria from isolated rat heart subjected to revascularization injury. Cardiovascular Pathology, 2016, 25, 306-315.	0.7	13
52	Hydrogen sulfide modulates sub-cellular susceptibility to oxidative stress induced by myocardial ischemic reperfusion injury. Chemico-Biological Interactions, 2016, 252, 28-35.	1.7	23
53	The renal mitochondrial dysfunction in patients with vascular calcification is prevented by sodium thiosulfate. International Urology and Nephrology, 2016, 48, 1927-1935.	0.6	7
54	Hydrogen sulfide post-conditioning preserves interfibrillar mitochondria of rat heart during ischemia reperfusion injury. Cell Stress and Chaperones, 2016, 21, 571-582.	1.2	29

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55	Sensitivity of interfibrillar and subsarcolemmal mitochondria to cobalt chloride-induced oxidative stress and hydrogen sulfide treatment. Indian Journal of Pharmaceutical Sciences, 2016, 78, 151.	1.0	2
56	Effect of Sodium Thiosulfate on Isolated Cardiac Interfibrillar and Subsarcolemmal Mitochondria. Indian Journal of Pharmaceutical Sciences, 2016, 78, .	1.0	1
57	Studying inhibition of calcium oxalate stone formation: an in <italic>vitro</italic> approach for screening hydrogen sulfide and its metabolites. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2015, 41, 503-510.	0.7	12
58	Effect of mitochondrial potassium channel on the renal protection mediated by sodium thiosulfate against ethylene glycol induced nephrolithiasis in rat model. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2015, 41, 1116-1125.	0.7	9
59	Sodium thiosulfate protects brain in rat model of adenine induced vascular calcification. Neurochemistry International, 2015, 90, 193-203.	1.9	24
60	Synthesis of nickel nanoparticles by chemical and green route and their comparison in respect to biological effect and toxicity. Toxicological and Environmental Chemistry, 2014, 96, 743-754.	0.6	150
61	Short-term effect of G-400, polyherbal formulation in the management of hyperglycemia and hyperlipidemia conditions in patients with type 2 diabetes mellitus. Nutrition, 2014, 30, 1158-1164.	1.1	25
62	Nano-scale preparation of Titanium dioxide by Desmodium gangeticum root aqueous extract. Ceramics International, 2014, 40, 11933-11940.	2.3	18
63	Standardization of in vitro Cell-based Model for Renal Ischemia and Reperfusion Injury. Indian Journal of Pharmaceutical Sciences, 2014, 76, 348-53.	1.0	20
64	Rat Cardiac Mitochondrial Sub-populations Show Distinct Features of Oxidative Phosphorylation during Ischemia, Reperfusion and Ischemic Preconditioning. Cellular Physiology and Biochemistry, 2012, 30, 83-94.	1.1	24
65	Methanol extract of Desmodium gangeticum DC root mimetic post-conditioning effect in isolated perfused rat heart by stimulating muscarinic receptors. Asian Pacific Journal of Tropical Medicine, 2012, 5, 448-454.	0.4	8
66	Energy status determines the distinct biochemical and physiological behavior of interfibrillar and sub-sarcolemmal mitochondria. Biochemical and Biophysical Research Communications, 2012, 428, 376-382.	1.0	25
67	Methanol extract of Desmodium gangeticum roots preserves mitochondrial respiratory enzymes, protecting rat heart against oxidative stress induced by reperfusion injury. Journal of Pharmacy and Pharmacology, 2010, 60, 523-530.	1.2	11
68	Antioxidant effects of ethyl acetate extract of Desmodium gangeticum root on myocardial ischemia reperfusion injury in rat hearts. Chinese Medicine, 2010, 5, 3.	1.6	47
69	A Novel Approach for Oral Delivery of Insulin via Desmodium gangeticum Aqueous Root Extract. Journal of Young Pharmacists, 2010, 2, 156-161.	0.1	2
70	Oral delivery of insulin with Desmodium gangeticum root aqueous extract protects rat hearts against ischemia reperfusion injury in streptozotocin induced diabetic rats. Asian Pacific Journal of Tropical Medicine, 2010, 3, 94-100.	0.4	6
71	Role of mitochondrial enzymes and sarcoplasmic ATPase in cardioprotection mediated by aqueous extract of Desmodium gangeticum (L) DC root on ischemic reperfusion injury. Indian Journal of Pharmaceutical Sciences, 2010, 72, 745.	1.0	7
72	Administration of aqueous extract of Desmodium gangeticum (L) root protects rat heart against ischemic reperfusion injury induced oxidative stress. Indian Journal of Experimental Biology, 2009, 47, 129-35.	0.5	11

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73	Antioxidant status of South Indian patients undergoing coronary artery bypass graft surgery: A role of intra operative magnesium supplementation. International Journal of Cardiology, 2008, 128, 139-141.	0.8	6
74	Effect of aqueous extract of the Desmodium gangeticum DC root in the severity of myocardial infarction. Journal of Ethnopharmacology, 2005, 97, 457-461.	2.0	66