Mohanraj Rajesh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8454666/publications.pdf

Version: 2024-02-01

67	6,043	70961	102304
papers	citations	41 h-index	66 g-index

68	68	68	8825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cannabidiol Attenuates Cardiac Dysfunction, Oxidative Stress, Fibrosis, and Inflammatory and Cell Death Signaling Pathways in Diabetic Cardiomyopathy. Journal of the American College of Cardiology, 2010, 56, 2115-2125.	1.2	389
2	Simultaneous detection of apoptosis and mitochondrial superoxide production in live cells by flow cytometry and confocal microscopy. Nature Protocols, 2007, 2, 2295-2301.	5.5	324
3	Role of superoxide, nitric oxide, and peroxynitrite in doxorubicin-induced cell death in vivo and in vitro. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1466-H1483.	1.5	314
4	Simple quantitative detection of mitochondrial superoxide production in live cells. Biochemical and Biophysical Research Communications, 2007, 358, 203-208.	1.0	283
5	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
6	CB₂-receptor stimulation attenuates TNF-Î±-induced human endothelial cell activation, transendothelial migration of monocytes, and monocyte-endothelial adhesion. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2210-H2218.	1.5	223
7	Cannabinoidâ€2 receptor mediates protection against hepatic ischemia/reperfusion injury. FASEB Journal, 2007, 21, 1788-1800.	0.2	215
8	Cannabinoid 1 Receptor Promotes Cardiac Dysfunction, Oxidative Stress, Inflammation, and Fibrosis in Diabetic Cardiomyopathy. Diabetes, 2012, 61, 716-727.	0.3	214
9	Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 708-714.	1.3	207
10	CB₂ cannabinoid receptor agonists attenuate TNFâ€Î±â€induced human vascular smooth muscle cell proliferation and migration. British Journal of Pharmacology, 2008, 153, 347-357.	2.7	193
11	Pharmacological Inhibition of CB1Cannabinoid Receptor Protects Against Doxorubicin-Induced Cardiotoxicity. Journal of the American College of Cardiology, 2007, 50, 528-536.	1.2	188
12	Cannabinoid-2 receptor limits inflammation, oxidative/nitrosative stress, and cell death in nephropathy. Free Radical Biology and Medicine, 2010, 48, 457-467.	1.3	181
13	Cannabidiol attenuates high glucose-induced endothelial cell inflammatory response and barrier disruption. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H610-H619.	1.5	168
14	Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death. Free Radical Biology and Medicine, 2011, 50, 1368-1381.	1.3	163
15	CB1 cannabinoid receptors promote oxidative stress and cell death in murine models of doxorubicin-induced cardiomyopathy and in human cardiomyocytes. Cardiovascular Research, 2010, 85, 773-784.	1.8	162
16	Pivotal Advance: Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis. Journal of Leukocyte Biology, 2007, 82, 1382-1389.	1.5	122
17	CB₁ cannabinoid receptors promote oxidative/nitrosative stress, inflammation and cell death in a murine nephropathy model. British Journal of Pharmacology, 2010, 160, 657-668.	2.7	118
18	PARP inhibition protects against alcoholic and non-alcoholic steatohepatitis. Journal of Hepatology, 2017, 66, 589-600.	1.8	116

#	Article	IF	Citations
19	Cannabinoidâ€1 receptor activation induces reactive oxygen speciesâ€dependent and â€independent mitogenâ€activated protein kinase activation and cell death in human coronary artery endothelial cells. British Journal of Pharmacology, 2010, 160, 688-700.	2.7	113
20	Poly (ADP-ribose) polymerase-1 is a key mediator of liver inflammation and fibrosis. Hepatology, 2014, 59, 1998-2009.	3.6	103
21	Modulation of the Endocannabinoid System in Cardiovascular Disease. Hypertension, 2008, 52, 601-607.	1.3	100
22	Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H909-H918.	1.5	99
23	Potential role of genipin in cancer therapy. Pharmacological Research, 2018, 133, 195-200.	3.1	98
24	Oxidative Inactivation of Key Mitochondrial Proteins Leads to Dysfunction and Injury in Hepatic Ischemia Reperfusion. Gastroenterology, 2008, 135, 1344-1357.	0.6	96
25	A new cannabinoid CB₂ receptor agonist HUâ€910 attenuates oxidative stress, inflammation and cell death associated with hepatic ischaemia/reperfusion injury. British Journal of Pharmacology, 2012, 165, 2462-2478.	2.7	90
26	Sulforaphane, a natural constituent of broccoli, prevents cell death and inflammation in nephropathy. Journal of Nutritional Biochemistry, 2012, 23, 494-500.	1.9	89
27	Poly(ADP-ribose) polymerase-1 is a key mediator of cisplatin-induced kidney inflammation and injury. Free Radical Biology and Medicine, 2011, 51, 1774-1788.	1.3	81
28	Xanthine oxidase inhibitor allopurinol attenuates the development of diabetic cardiomyopathy. Journal of Cellular and Molecular Medicine, 2009, 13, 2330-2341.	1.6	75
29	Fatty acid amide hydrolase is a key regulator of endocannabinoid-induced myocardial tissue injury. Free Radical Biology and Medicine, 2011, 50, 179-195.	1.3	73
30	Poly(ADP-ribose)polymerase inhibition decreases angiogenesis. Biochemical and Biophysical Research Communications, 2006, 350, 1056-1062.	1.0	72
31	Pharmacological inhibition of poly(ADP-ribose) polymerase inhibits angiogenesis. Biochemical and Biophysical Research Communications, 2006, 350, 352-357.	1.0	66
32	Cannabinoid 1 receptor activation contributes to vascular inflammation and cell death in a mouse model of diabetic retinopathy and a human retinal cell line. Diabetologia, 2011, 54, 1567-1578.	2.9	66
33	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
34	Dissociation between liver inflammation and hepatocellular damage induced by carbon tetrachloride in myeloid cell-specific signal transducer and activator of transcription 3 gene knockout mice. Hepatology, 2010, 51, 1724-1734.	3.6	60
35	Plasma homocysteine and total thiol content in patients with exudative age-related macular degeneration. Eye, 2006, 20, 203-207.	1.1	59
36	Cardioprotective Potentials of Plant-Derived Small Molecules against Doxorubicin Associated Cardiotoxicity. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-19.	1.9	58

#	Article	IF	Citations
37	CB2 Cannabinoid Receptors Contribute to Bacterial Invasion and Mortality in Polymicrobial Sepsis. PLoS ONE, 2009, 4, e6409.	1.1	57
38	Novel Role of Lactosylceramide in Vascular Endothelial Growth Factorâ€“Mediated Angiogenesis in Human Endothelial Cells. Circulation Research, 2005, 97, 796-804.	2.0	54
39	Cannabinoid CB1 receptor inhibition decreases vascular smooth muscle migration and proliferation. Biochemical and Biophysical Research Communications, 2008, 377, 1248-1252.	1.0	52
40	Execution of Superoxide-Induced Cell Death by the Proapoptotic Bcl-2-Related Proteins Bid and Bak. Molecular and Cellular Biology, 2009, 29, 3099-3112.	1.1	46
41	Plant-Derived Agents for Counteracting Cisplatin-Induced Nephrotoxicity. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-27.	1.9	46
42	Thymoquinone Protects against Myocardial Ischemic Injury by Mitigating Oxidative Stress and Inflammation. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-12.	0.5	44
43	Genipin attenuates cisplatin-induced nephrotoxicity by counteracting oxidative stress, inflammation, and apoptosis. Biomedicine and Pharmacotherapy, 2017, 93, 1083-1097.	2.5	43
44	Resveratrol attenuates azidothymidine-induced cardiotoxicity by decreasing mitochondrial reactive oxygen species generation in human cardiomyocytes. Molecular Medicine Reports, 2011, 4, 151-5.	1.1	39
45	VEGF recruits lactosylceramide to induce endothelial cell adhesion molecule expression and angiogenesis in vitro and in vivo. Glycoconjugate Journal, 2009, 26, 547-558.	1.4	38
46	Î”⁸â€Tetrahydrocannabivarin prevents hepatic ischaemia/reperfusion injury by decreasing oxidative stress and inflammatory responses through cannabinoid CB₂ receptors. British Journal of Pharmacology, 2012, 165, 2450-2461.	2.7	38
47	Protection by dimethyl fumarate against diabetic cardiomyopathy in type 1 diabetic mice likely via activation of nuclear factor erythroid-2 related factor 2. Toxicology Letters, 2018, 287, 131-141.	0.4	35
48	Regulation of Lactosylceramide Synthase (Glucosylceramide β1→4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	1.0	30
49	Therapeutic Targeting of NLRP3 Inflammasomes by Natural Products and Pharmaceuticals: A Novel Mechanistic Approach for Inflammatory Diseases. Current Medicinal Chemistry, 2017, 24, 1645-1670.	1.2	30
50	Effects of cannabidiol on contractions and calcium signaling in rat ventricular myocytes. Cell Calcium, 2015, 57, 290-299.	1.1	27
51	Nootkatone confers hepatoprotective and antiâ€fibrotic actions in a murine model of liver fibrosis by suppressing oxidative stress, inflammation, and apoptosis. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22017.	1.4	26
52	Involvement of oxidative and nitrosative stress in promoting retinal vasculitis in patients with Ealesâ€™ disease. Clinical Biochemistry, 2003, 36, 377-385.	0.8	24
53	CB₁ Cannabinoid Receptor Inhibition: Promising Approach for Heart Failure?. Congestive Heart Failure, 2008, 14, 330-334.	2.0	23
54	Determination of carbonyl group content in plasma proteins as a useful marker to assess impairment in antioxidant defense in patients with Eales' disease. Indian Journal of Ophthalmology, 2004, 52, 139-44.	0.5	18

#	Article	IF	Citations
55	Accumulation of 8-hydroxydeoxyguanosine and its relationship with antioxidant parameters in patients with Ealesâ€™ disease: Implications for antioxidant therapy. Current Eye Research, 2003, 27, 103-110.	0.7	14
56	Ealesâ€² disease: Oxidant stress and weak antioxidant defence. Indian Journal of Ophthalmology, 2007, 55, 95.	0.5	14
57	Phytochemicals as Prototypes for Pharmaceutical Leads Towards Drug Development Against Diabetic Cardiomyopathy. Current Pharmaceutical Design, 2016, 22, 3058-3070.	0.9	13
58	Iron chelation abrogates excessive formation of hydroxyl radicals and lipid peroxidation products in monocytes of patients with Eales' disease: Direct evidence using electron spin resonance spectroscopy. Current Eye Research, 2004, 28, 399-407.	0.7	11
59	Cannabinoid receptor 2 activation alleviates diabetes-induced cardiac dysfunction, inflammation, oxidative stress, and fibrosis. GeroScience, 2022, 44, 1727-1741.	2.1	10
60	Methylene Blue Inhibits the Inflammatory Process of the Acetic Acid-Induced Colitis in Rat Colonic Mucosa. International Surgery, 2015, 100, 1364-1374.	0.0	9
61	Purification and Characterization of a Novel 88kDa Protein from Serum and Vitreous of Patients with Ealesâ€™ Disease. Experimental Eye Research, 2001, 73, 547-555.	1.2	8
62	Effects of endogenous cannabinoid anandamide on cardiac Na+/Ca2+ exchanger. Cell Calcium, 2014, 55, 231-237.	1.1	8
63	Beneficial effects of phytochemicals in diabetic retinopathy: experimental and clinical evidence. European Review for Medical and Pharmacological Sciences, 2017, 21, 2769-2783.	0.5	8
64	Pharmacognostical Sources of Popular Medicine To Treat Alzheimerâ€™s Disease. Open Medicinal Chemistry Journal, 2018, 12, 23-35.	0.9	7
65	Redox Signaling and Myocardial Cell Death: Molecular Mechanisms and Drug Targets. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	1.9	1
66	Editorial (Thematic Issue Title: Myocardial Cell Death: Molecular Mechanisms & Drug Targets). Cardiovascular and Hematological Agents in Medicinal Chemistry, 2015, 12, 59-59.	0.4	0
67	Cardioprotective Potential of Medicinal Plants in Attenuating Doxorubicin-Induced Cardiotoxicity. , 2017, , 149-191.		0