Ashutosh Kumar

List of Publications by Year
in descending order

55 papers	3,390 citations	147801 31 h-index	175258 52 g-index
55 all docs	55 docs citations	55 times ranked	4532 citing authors

#	Article	IF	Citations
1	Probucol attenuates NF-Î²B/NLRP3 signalling and augments Nrf-2 mediated antioxidant defence in nerve injury induced neuropathic pain. International Immunopharmacology, 2022, 102, 108397.	3.8	22
2	FeTMPyP a peroxynitrite decomposition catalyst ameliorated functional and behavioral deficits in chronic constriction injury induced neuropathic pain in rats. Free Radical Research, 2022, , 1-13.	3.3	4
3	Neuroprotective Effect of Baicalein Against Oxaliplatin-Induced Peripheral Neuropathy: Impact on Oxidative Stress, Neuro-inflammation and WNT/Î²-Catenin Signaling. Molecular Neurobiology, 2022, 59, 4334-4350.	4.0	8
4	SIRT1 Activation by Polydatin Alleviates Oxidative Damage and Elevates Mitochondrial Biogenesis in Experimental Diabetic Neuropathy. Cellular and Molecular Neurobiology, 2021, 41, 1563-1577.	3.3	41
5	Rosmarinic acid and mitochondria. , 2021, , 209-231.		1
6	Neurological Implications of COVID-19: Role of Redox Imbalance and Mitochondrial Dysfunction. Molecular Neurobiology, 2021, 58, 4575-4587.	4.0	15
7	LONP1 induction by SRT1720 attenuates mitochondrial dysfunction against high glucose induced neurotoxicity in PC12 cells. Toxicology in Vitro, 2020, 62, 104695.	2.4	18
8	Chronic hyperglycemia impairs mitochondrial unfolded protein response and precipitates proteotoxicity in experimental diabetic neuropathy: focus on LonP1 mediated mitochondrial regulation. Pharmacological Reports, 2020, 72, 1627-1644.	3.3	18
9	Bardoxolone Methyl Ameliorates Hyperglycemia Induced Mitochondrial Dysfunction by Activating the keap1-Nrf2-ARE Pathway in Experimental Diabetic Neuropathy. Molecular Neurobiology, 2020, 57, 3616-3631.	4.0	26
10	In-vitro and in-vivo evaluation of modified sodium starch glycolate for exploring its haemostatic potential. Carbohydrate Polymers, 2020, 235, 115975.	10.2	8
11	In-vitro and In-vivo evaluation of biocompatible and biodegradable calcium-modified carboxymethyl starch as a topical hemostat. Materialia, 2019, 7, 100373.	2.7	18
12	Targeting AMPK in Diabetes and Diabetic Complications: Energy Homeostasis, Autophagy and Mitochondrial Health. Current Medicinal Chemistry, 2019, 26, 5207-5229.	2.4	78
13	An Overview on ATP Dependent and Independent Proteases Including an Anterograde to Retrograde Control on Mitochondrial Function; Focus on Diabetes and Diabetic Complications. Current Pharmaceutical Design, 2019, 25, 2584-2594.	1.9	8
14	Role of AMPK in Diabetic Cardiovascular Complications: An Overview. Cardiovascular & Hematological Disorders Drug Targets, 2019, 19, 5-13.	0.7	6
15	Adenosine monophosphate-activated protein kinase modulation by berberine attenuates mitochondrial deficits and redox imbalance in experimental diabetic neuropathy. Neuropharmacology, 2018, 131, 256-270.	4.1	52
16	Morin exerts neuroprotection via attenuation of ROS induced oxidative damage and neuroinflammation in experimental diabetic neuropathy. BioFactors, 2018, 44, 109-122.	5.4	67
17	Metabolic Stress and Inflammation: Implication in Treatment for Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2018, 17, 642-643.	1.4	7
18	Rosmarinic Acid Mitigates Mitochondrial Dysfunction and Spinal Glial Activation in Oxaliplatin-induced Peripheral Neuropathy. Molecular Neurobiology, 2018, 55, 7463-7475.	4.0	45

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19	Adenosine Monophosphate-Activated Protein Kinase Abates Hyperglycaemia-Induced Neuronal Injury in Experimental Models of Diabetic Neuropathy: Effects on Mitochondrial Biogenesis, Autophagy and Neuroinflammation. Molecular Neurobiology, 2017, 54, 2301-2312.	4.0	65
20	Melatonin prevents mitochondrial dysfunction and promotes neuroprotection by inducing autophagy during oxaliplatinâ€evoked peripheral neuropathy. Journal of Pineal Research, 2017, 62, e12393.	7.4	97
21	Nrf2 and NF-ÎºB modulation by Plumbagin attenuates functional, behavioural and biochemical deficits in rat model of neuropathic pain. Pharmacological Reports, 2017, 69, 625-632.	3.3	34
22	Isoliquiritigenin reduces oxidative damage and alleviates mitochondrial impairment by SIRT1 activation in experimental diabetic neuropathy. Journal of Nutritional Biochemistry, 2017, 47, 41-52.	4.2	85
23	Carvedilol prevents functional deficits in peripheral nerve mitochondria of rats with oxaliplatin-evoked painful peripheral neuropathy. Toxicology and Applied Pharmacology, 2017, 322, 97-103.	2.8	33
24	Combination strategy of PARP inhibitor with antioxidant prevent bioenergetic deficits and inflammatory changes in CCI-induced neuropathy. Neuropharmacology, 2017, 113, 137-147.	4.1	31
25	Nrf2: a promising trove for diabetic wound healing. Annals of Translational Medicine, 2017, 5, 469-469.	1.7	19
26	Editorial (Thematic Selection: Mitochondrial Dysfunction & Neurological Disorders). Current Neuropharmacology, 2016, 14, 565-566.	2.9	9
27	Morin Mitigates Chronic Constriction Injury (CCI)-Induced Peripheral Neuropathy by Inhibiting Oxidative Stress Induced PARP Over-Activation and Neuroinflammation. Neurochemical Research, 2016, 41, 2029-2042.	3.3	48
28	Autophagy: The missing link in diabetic neuropathy?. Medical Hypotheses, 2016, 86, 120-128.	1.5	26
29	PARP inhibition attenuates neuroinflammation and oxidative stress in chronic constriction injury induced peripheral neuropathy. Life Sciences, 2016, 150, 50-60.	4.3	44
30	Fisetin Imparts Neuroprotection in Experimental Diabetic Neuropathy by Modulating Nrf2 and NF-ÎºB Pathways. Cellular and Molecular Neurobiology, 2016, 36, 883-892.	3.3	70
31	Potential Therapeutic Benefits of Maintaining Mitochondrial Health in Peripheral Neuropathies. Current Neuropharmacology, 2016, 14, 593-609.	2.9	42
32	Poly(ADP-ribose) polymerase inhibition reveals a potential mechanism to promote neuroprotection and treat neuropathic pain. Neural Regeneration Research, 2016, 11, 1545.	3.0	16
33	Comment on Sharma. Mitochondrial Hormesis and Diabetic Complications. Diabetes 2015;64:663â€“672. Diabetes, 2015, 64, e32-e33.	0.6	7
34	Re. â€œSucrose, fructose, glucose and their link to metabolic syndrome and cancerâ€: Nutrition, 2015, 31, 258-259.	2.4	2
35	Curcumin: A pleiotropic phytonutrient in diabetic complications. Nutrition, 2015, 31, 276-282.	2.4	32
36	Oxidative Stress and Inflammation in Diabetic Complications. International Journal of Endocrinology, 2014, 2014, 1-2.	1.5	43

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37	Neuroinflammation and Oxidative Stress in Diabetic Neuropathy: Futuristic Strategies Based on These Targets. International Journal of Endocrinology, 2014, 2014, 1-10.	1.5	245
38	Boswellia ovalifoliolata abrogates ROS mediated NF-Î¹B activation, causes apoptosis and chemosensitization in Triple Negative Breast Cancer cells. Environmental Toxicology and Pharmacology, 2014, 38, 58-70.	4.0	26
39	Oxidative stress and nerve damage: Role in chemotherapy induced peripheral neuropathy. Redox Biology, 2014, 2, 289-295.	9.0	305
40	Potential therapeutic effects of the simultaneous targeting of the Nrf2 and NF-Î¹B pathways in diabetic neuropathy. Redox Biology, 2013, 1, 394-397.	9.0	315
41	SNEDDS curcumin formulation leads to enhanced protection from pain and functional deficits associated with diabetic neuropathy: An insight into its mechanism for neuroprotection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 776-785.	3.3	109
42	Suppression of NF-Î¹B and NF-Î¹B regulated oxidative stress and neuroinflammation by BAY 11-7082 (IÎ¹B) Tj ETQq0 0 0 rgBT /Overlock 10	2.6	89
43	Melatonin modulates neuroinflammation and oxidative stress in experimental diabetic neuropathy: effects on NFâ€Î¹B and Nrf2 cascades. Journal of Pineal Research, 2011, 50, 124-131.	7.4	255
44	Oxidative stress and Nrf2 in the pathophysiology of diabetic neuropathy: Old perspective with a new angle. Biochemical and Biophysical Research Communications, 2011, 408, 1-5.	2.1	118
45	Adopting Nrf2 and NF-Î¹B from cancer: Is there any role of the duo in diabetes?. Nature Precedings, 2011, , .	0.1	0
46	Nrf2 and NF-κB Modulation by Sulforaphane Counteracts Multiple Manifestations of Diabetic Neuropathy in Rats and High Glucose-Induced Changes. Current Neurovascular Research, 2011, 8, 294-304.	1.1	151
47	Concurrent targeting of nitrosative stressâ€“PARP pathway corrects functional, behavioral and biochemical deficits in experimental diabetic neuropathy. Biochemical and Biophysical Research Communications, 2010, 391, 102-106.	2.1	54
48	NF-Î¹B inhibitory action of resveratrol: A probable mechanism of neuroprotection in experimental diabetic neuropathy. Biochemical and Biophysical Research Communications, 2010, 394, 360-365.	2.1	159
49	Functional and biochemical evidence indicating beneficial effect of Melatonin and Nicotinamide alone and in combination in experimental diabetic neuropathy. Neuropharmacology, 2010, 58, 585-592.	4.1	71
50	Neuroprotective potential of combination of resveratrol and 4-amino 1,8 naphthalimide in experimental diabetic neuropathy: Focus on functional, sensorimotor and biochemical changes. Free Radical Research, 2009, 43, 400-408.	3.3	52
51	Amelioration of neurological and biochemical deficits by peroxynitrite decomposition catalysts in experimental diabetic neuropathy. European Journal of Pharmacology, 2008, 596, 77-83.	3.5	44
52	Protective effects of 4-amino1,8-napthalimide, a poly (ADP-ribose) polymerase inhibitor in experimental diabetic neuropathy. Life Sciences, 2008, 82, 570-576.	4.3	41
53	Effects of resveratrol on nerve functions, oxidative stress and DNA fragmentation in experimental diabetic neuropathy. Life Sciences, 2007, 80, 1236-1244.	4.3	163
54	Effects of U83836E on nerve functions, hyperalgesia and oxidative stress in experimental diabetic neuropathy. Life Sciences, 2006, 79, 777-783.	4.3	47

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55	Adopting Nrf2 and NF-ÎºB from cancer: Is there any role of the duo in diabetes?. Nature Precedings, 0, , .	0.1	1