

Ashutosh Kumar

List of Publications by Year in descending order

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55
papers

3,390
citations

147726

31
h-index

175177

52
g-index

55
all docs

55
docs citations

55
times ranked

4532
citing authors

#	ARTICLE	IF	CITATIONS
1	Probucol attenuates NF- κ B/NLRP3 signalling and augments Nrf-2 mediated antioxidant defence in nerve injury induced neuropathic pain. <i>International Immunopharmacology</i> , 2022, 102, 108397.	1.7	22
2	FeTMPyP a peroxynitrite decomposition catalyst ameliorated functional and behavioral deficits in chronic constriction injury induced neuropathic pain in rats. <i>Free Radical Research</i> , 2022, , 1-13.	1.5	4
3	Neuroprotective Effect of Baicalein Against Oxaliplatin-Induced Peripheral Neuropathy: Impact on Oxidative Stress, Neuro-inflammation and WNT/ β -Catenin Signaling. <i>Molecular Neurobiology</i> , 2022, 59, 4334-4350.	1.9	8
4	SIRT1 Activation by Polydatin Alleviates Oxidative Damage and Elevates Mitochondrial Biogenesis in Experimental Diabetic Neuropathy. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 1563-1577.	1.7	41
5	Rosmarinic acid and mitochondria. , 2021, , 209-231.		1
6	Neurological Implications of COVID-19: Role of Redox Imbalance and Mitochondrial Dysfunction. <i>Molecular Neurobiology</i> , 2021, 58, 4575-4587.	1.9	15
7	LONP1 induction by SRT1720 attenuates mitochondrial dysfunction against high glucose induced neurotoxicity in PC12 cells. <i>Toxicology in Vitro</i> , 2020, 62, 104695.	1.1	18
8	Chronic hyperglycemia impairs mitochondrial unfolded protein response and precipitates proteotoxicity in experimental diabetic neuropathy: focus on LonP1 mediated mitochondrial regulation. <i>Pharmacological Reports</i> , 2020, 72, 1627-1644.	1.5	18
9	Bardoxolone Methyl Ameliorates Hyperglycemia Induced Mitochondrial Dysfunction by Activating the Keap1-Nrf2-ARE Pathway in Experimental Diabetic Neuropathy. <i>Molecular Neurobiology</i> , 2020, 57, 3616-3631.	1.9	26
10	In-vitro and in-vivo evaluation of modified sodium starch glycolate for exploring its haemostatic potential. <i>Carbohydrate Polymers</i> , 2020, 235, 115975.	5.1	8
11	In-vitro and In-vivo evaluation of biocompatible and biodegradable calcium-modified carboxymethyl starch as a topical hemostat. <i>Materialia</i> , 2019, 7, 100373.	1.3	18
12	Targeting AMPK in Diabetes and Diabetic Complications: Energy Homeostasis, Autophagy and Mitochondrial Health. <i>Current Medicinal Chemistry</i> , 2019, 26, 5207-5229.	1.2	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. <i>Current Pharmaceutical Design</i> , 2019, 25, 2584-2594.	0.9	8
14	Role of AMPK in Diabetic Cardiovascular Complications: An Overview. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2019, 19, 5-13.	0.2	6
15	Adenosine monophosphate-activated protein kinase modulation by berberine attenuates mitochondrial deficits and redox imbalance in experimental diabetic neuropathy. <i>Neuropharmacology</i> , 2018, 131, 256-270.	2.0	52
16	Morin exerts neuroprotection via attenuation of ROS induced oxidative damage and neuroinflammation in experimental diabetic neuropathy. <i>BioFactors</i> , 2018, 44, 109-122.	2.6	67
17	Metabolic Stress and Inflammation: Implication in Treatment for Neurological Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018, 17, 642-643.	0.8	7
18	Rosmarinic Acid Mitigates Mitochondrial Dysfunction and Spinal Glial Activation in Oxaliplatin-induced Peripheral Neuropathy. <i>Molecular Neurobiology</i> , 2018, 55, 7463-7475.	1.9	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. <i>Molecular Neurobiology</i> , 2017, 54, 2301-2312.	1.9	65
20	Melatonin prevents mitochondrial dysfunction and promotes neuroprotection by inducing autophagy during oxaliplatin-evoked peripheral neuropathy. <i>Journal of Pineal Research</i> , 2017, 62, e12393.	3.4	97
21	Nrf2 and NF- κ B modulation by Plumbagin attenuates functional, behavioural and biochemical deficits in rat model of neuropathic pain. <i>Pharmacological Reports</i> , 2017, 69, 625-632.	1.5	34
22	Isoliquiritigenin reduces oxidative damage and alleviates mitochondrial impairment by SIRT1 activation in experimental diabetic neuropathy. <i>Journal of Nutritional Biochemistry</i> , 2017, 47, 41-52.	1.9	85
23	Carvedilol prevents functional deficits in peripheral nerve mitochondria of rats with oxaliplatin-evoked painful peripheral neuropathy. <i>Toxicology and Applied Pharmacology</i> , 2017, 322, 97-103.	1.3	33
24	Combination strategy of PARP inhibitor with antioxidant prevent bioenergetic deficits and inflammatory changes in CCI-induced neuropathy. <i>Neuropharmacology</i> , 2017, 113, 137-147.	2.0	31
25	Nrf2: a promising trove for diabetic wound healing. <i>Annals of Translational Medicine</i> , 2017, 5, 469-469.	0.7	19
26	Editorial (Thematic Selection: Mitochondrial Dysfunction & Neurological Disorders). <i>Current Neuropharmacology</i> , 2016, 14, 565-566.	1.4	9
27	Morin Mitigates Chronic Constriction Injury (CCI)-Induced Peripheral Neuropathy by Inhibiting Oxidative Stress Induced PARP Over-Activation and Neuroinflammation. <i>Neurochemical Research</i> , 2016, 41, 2029-2042.	1.6	48
28	Autophagy: The missing link in diabetic neuropathy?. <i>Medical Hypotheses</i> , 2016, 86, 120-128.	0.8	26
29	PARP inhibition attenuates neuroinflammation and oxidative stress in chronic constriction injury induced peripheral neuropathy. <i>Life Sciences</i> , 2016, 150, 50-60.	2.0	44
30	Fisetin Imparts Neuroprotection in Experimental Diabetic Neuropathy by Modulating Nrf2 and NF- κ B Pathways. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 883-892.	1.7	70
31	Potential Therapeutic Benefits of Maintaining Mitochondrial Health in Peripheral Neuropathies. <i>Current Neuropharmacology</i> , 2016, 14, 593-609.	1.4	42
32	Poly(ADP-ribose) polymerase inhibition reveals a potential mechanism to promote neuroprotection and treat neuropathic pain. <i>Neural Regeneration Research</i> , 2016, 11, 1545.	1.6	16
33	Comment on Sharma. Mitochondrial Hormesis and Diabetic Complications. <i>Diabetes</i> 2015;64:663-672. <i>Diabetes</i> , 2015, 64, e32-e33.	0.3	7
34	Re. "Sucrose, fructose, glucose and their link to metabolic syndrome and cancer". <i>Nutrition</i> , 2015, 31, 258-259.	1.1	2
35	Curcumin: A pleiotropic phytonutrient in diabetic complications. <i>Nutrition</i> , 2015, 31, 276-282.	1.1	32
36	Oxidative Stress and Inflammation in Diabetic Complications. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-2.	0.6	43

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37	Neuroinflammation and Oxidative Stress in Diabetic Neuropathy: Futuristic Strategies Based on These Targets. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-10.	0.6	245
38	<i>Boswellia ovalifoliolata</i> abrogates ROS mediated NF- κ B activation, causes apoptosis and chemosensitization in Triple Negative Breast Cancer cells. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 58-70.	2.0	26
39	Oxidative stress and nerve damage: Role in chemotherapy induced peripheral neuropathy. <i>Redox Biology</i> , 2014, 2, 289-295.	3.9	305
40	Potential therapeutic effects of the simultaneous targeting of the Nrf2 and NF- κ B pathways in diabetic neuropathy. <i>Redox Biology</i> , 2013, 1, 394-397.	3.9	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. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 776-785.	1.7	109
42	Suppression of NF- κ B and NF- κ B regulated oxidative stress and neuroinflammation by BAY 11-7082 (κ B) Tj ETQq0 0.0 rgBT /Overlock 1	1.3	89
43	Melatonin modulates neuroinflammation and oxidative stress in experimental diabetic neuropathy: effects on NF- κ B and Nrf2 cascades. <i>Journal of Pineal Research</i> , 2011, 50, 124-131.	3.4	255
44	Oxidative stress and Nrf2 in the pathophysiology of diabetic neuropathy: Old perspective with a new angle. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 1-5.	1.0	118
45	Adopting Nrf2 and NF- κ B from cancer: Is there any role of the duo in diabetes?. <i>Nature Precedings</i> , 2011, ,	0.1	0
46	Nrf2 and NF- κ B Modulation by Sulforaphane Counteracts Multiple Manifestations of Diabetic Neuropathy in Rats and High Glucose-Induced Changes. <i>Current Neurovascular Research</i> , 2011, 8, 294-304.	0.4	151
47	Concurrent targeting of nitrosative stressâ€‘PARP pathway corrects functional, behavioral and biochemical deficits in experimental diabetic neuropathy. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 102-106.	1.0	54
48	NF- κ B inhibitory action of resveratrol: A probable mechanism of neuroprotection in experimental diabetic neuropathy. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 360-365.	1.0	159
49	Functional and biochemical evidence indicating beneficial effect of Melatonin and Nicotinamide alone and in combination in experimental diabetic neuropathy. <i>Neuropharmacology</i> , 2010, 58, 585-592.	2.0	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. <i>Free Radical Research</i> , 2009, 43, 400-408.	1.5	52
51	Amelioration of neurological and biochemical deficits by peroxy nitrite decomposition catalysts in experimental diabetic neuropathy. <i>European Journal of Pharmacology</i> , 2008, 596, 77-83.	1.7	44
52	Protective effects of 4-amino-1,8-naphthalimide, a poly (ADP-ribose) polymerase inhibitor in experimental diabetic neuropathy. <i>Life Sciences</i> , 2008, 82, 570-576.	2.0	41
53	Effects of resveratrol on nerve functions, oxidative stress and DNA fragmentation in experimental diabetic neuropathy. <i>Life Sciences</i> , 2007, 80, 1236-1244.	2.0	163
54	Effects of U83836E on nerve functions, hyperalgesia and oxidative stress in experimental diabetic neuropathy. <i>Life Sciences</i> , 2006, 79, 777-783.	2.0	47

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