Krishnan M Dhandapani

List of Publications by Year
in descending order

59 papers	4,003 citations	109311 35 h-index	144002 57 g-index
60 all docs	60 docs citations	60 times ranked	5835 citing authors

#	Article	IF	Citations
1	NADPH oxidase in brain injury and neurodegenerative disorders. Molecular Neurodegeneration, 2017, 12, 7.	10.8	314
2	Curcumin suppresses growth and chemoresistance of human glioblastoma cells via AP-1 and NFÎºB transcription factors. Journal of Neurochemistry, 2007, 102, 522-538.	3.9	267
3	High mobility group box proteinâ€1 promotes cerebral edema after traumatic brain injury via activation of tollâ€like receptor 4. Glia, 2014, 62, 26-38.	4.9	205
4	Protective Effects of Estrogen and Selective Estrogen Receptor Modulators in the Brain1. Biology of Reproduction, 2002, 67, 1379-1385.	2.7	204
5	Human Neural Stem Cell Extracellular Vesicles Improve Tissue and Functional Recovery in the Murine Thromboembolic Stroke Model. Translational Stroke Research, 2018, 9, 530-539.	4.2	200
6	Critical Role of NADPH Oxidase in Neuronal Oxidative Damage and Microglia Activation following Traumatic Brain Injury. PLoS ONE, 2012, 7, e34504.	2.5	164
7	Transforming Growth Factor-Î²: A Neuroprotective Factor in Cerebral Ischemia. Cell Biochemistry and Biophysics, 2003, 39, 13-22.	1.8	137
8	Astrocyte-Derived Transforming Growth Factor-Î² Mediates the Neuroprotective Effects of 17Î²-Estradiol: Involvement of Nonclassical Genomic Signaling Pathways. Endocrinology, 2005, 146, 2749-2759.	2.8	131
9	Curcumin attenuates cerebral edema following traumatic brain injury in mice: a possible role for aquaporinâ€4?. Journal of Neurochemistry, 2010, 113, 637-648.	3.9	129
10	Activation of P2X7 Promotes Cerebral Edema and Neurological Injury after Traumatic Brain Injury in Mice. PLoS ONE, 2012, 7, e41229.	2.5	125
11	Astrocyte Protection of Neurons. Journal of Biological Chemistry, 2003, 278, 43329-43339.	3.4	120
12	Hemin-induced necroptosis involves glutathione depletion in mouse astrocytes. Free Radical Biology and Medicine, 2008, 45, 1103-1114.	2.9	98
13	Role of astrocytes in estrogen-mediated neuroprotection. Experimental Gerontology, 2007, 42, 70-75.	2.8	94
14	Neutrophil extracellular traps exacerbate neurological deficits after traumatic brain injury. Science Advances, 2020, 6, eaax8847.	10.3	94
15	Revisiting Traumatic Brain Injury: From Molecular Mechanisms to Therapeutic Interventions. Biomedicines, 2020, 8, 389.	3.2	92
16	Neuroprotection by stem cell factor in rat cortical neurons involves AKT and NFÎºB. Journal of Neurochemistry, 2005, 95, 9-19.	3.9	88
17	Remote Ischemic Postconditioning: Harnessing Endogenous Protection in a Murine Model of Vascular Cognitive Impairment. Translational Stroke Research, 2015, 6, 69-77.	4.2	85
18	Selective activation of cannabinoid receptor-2 reduces neuroinflammation after traumatic brain injury via alternative macrophage polarization. Brain, Behavior, and Immunity, 2018, 68, 224-237.	4.1	85

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19	NADPH oxidases in traumatic brain injury â€“ Promising therapeutic targets?. Redox Biology, 2018, 16, 285-293.	9.0	84
20	Delayed reduction in hippocampal postsynaptic density protein-95 expression temporally correlates with cognitive dysfunction following controlled cortical impact in mice. Journal of Neurosurgery, 2010, 113, 1195-1201.	1.6	82
21	NADPH Oxidase 2 Regulates NLRP3 Inflammasome Activation in the Brain after Traumatic Brain Injury. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-18.	4.0	78
22	White matter damage after traumatic brain injury: A role for damage associated molecular patterns. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2614-2626.	3.8	73
23	Neurological consequences of COVID-19: what have we learned and where do we go from here?. Journal of Neuroinflammation, 2020, 17, 286.	7.2	71
24	Cannabidiol Modulates Cytokine Storm in Acute Respiratory Distress Syndrome Induced by Simulated Viral Infection Using Synthetic RNA. Cannabis and Cannabinoid Research, 2020, 5, 197-201.	2.9	69
25	Attenuation of hematoma size and neurological injury with curcumin following intracerebral hemorrhage in mice. Journal of Neurosurgery, 2011, 115, 116-123.	1.6	57
26	Neuroprotective Effects of Estrogen and Tamoxifen In Vitro: A Facilitative Role for Glia?. Endocrine, 2003, 21, 59-66.	2.2	56
27	Remote ischemic post-conditioning promotes hematoma resolution via AMPK-dependent immune regulation. Journal of Experimental Medicine, 2018, 215, 2636-2654.	8.5	56
28	Necrostatin-1 Reduces Neurovascular Injury after Intracerebral Hemorrhage. International Journal of Cell Biology, 2014, 2014, 1-10.	2.5	54
29	Activation of Myeloid TLR4 Mediates T Lymphocyte Polarization after Traumatic Brain Injury. Journal of Immunology, 2017, 198, 3615-3626.	0.8	50
30	Regulatory role of NADPH oxidase 2 in the polarization dynamics and neurotoxicity of microglia/macrophages after traumatic brain injury. Free Radical Biology and Medicine, 2017, 113, 119-131.	2.9	47
31	Cannabidiol (CBD) modulation of apelin in acute respiratory distress syndrome. Journal of Cellular and Molecular Medicine, 2020, 24, 12869-12872.	3.6	47
32	Astrocyte-Specific Expression of Survivin after Intracerebral Hemorrhage in Mice: A Possible Role in Reactive Gliosis?. Journal of Neurotrauma, 2012, 29, 2798-2804.	3.4	46
33	Elucidating novel mechanisms of brain injury following subarachnoid hemorrhage: an emerging role for neuroproteomics. Neurosurgical Focus, 2010, 28, E10.	2.3	45
34	Estrogen-astrocyte interactions: implications for neuroprotection. BMC Neuroscience, 2002, 3, 6.	1.9	42
35	Astrocytes and Brain Function: Implications for Reproduction. Experimental Biology and Medicine, 2003, 228, 253-260.	2.4	42
36	Induction of transforming growth factorâ€Î²1 by basic fibroblast growth factor in rat C6 glioma cells and astrocytes is mediated by MEK/ERK signaling and APâ€1 activation. Journal of Neuroscience Research, 2007, 85, 1033-1045.	2.9	33

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37	Deletion of NADPH oxidase 4 reduces severity of traumatic brain injury. Free Radical Biology and Medicine, 2018, 117, 66-75.	2.9	32
38	Astrocyteâ€derived glutathione attenuates heminâ€induced apoptosis in cerebral microvascular cells. Glia, 2010, 58, 1858-1870.	4.9	30
39	Cannabidiol Ameliorates Cognitive Function via Regulation of IL-33 and TREM2 Upregulation in a Murine Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 80, 973-977.	2.6	27
40	Increased Innate Lymphoid Cells in Periodontal Tissue of the Murine Model of Periodontitis: The Role of AMP-Activated Protein Kinase and Relevance for the Human Condition. Frontiers in Immunology, 2017, 8, 922.	4.8	26
41	Targeting the endocannabinoid system: a predictive, preventive, and personalized medicine-directed approach to the management of brain pathologies. EPMA Journal, 2020, 11, 217-250.	6.1	25
42	The Stroke Preclinical Assessment Network: Rationale, Design, Feasibility, and Stage 1 Results. Stroke, 2022, 53, 1802-1812.	2.0	22
43	Bone Marrow Derived Extracellular Vesicles Activate Osteoclast Differentiation in Traumatic Brain Injury Induced Bone Loss. Cells, 2019, 8, 63.	4.1	21
44	Rescuing mitochondria in traumatic brain injury and intracerebral hemorrhages - A potential therapeutic approach. Neurochemistry International, 2021, 150, 105192.	3.8	21
45	AMPK induces regulatory innate lymphoid cells after traumatic brain injury. JCI Insight, 2021, 6, .	5.0	21
46	Orphanin FQ inhibits GnRH secretion from rat hypothalamic fragments but not GT1-7 neurons. NeuroReport, 2002, 13, 1247-1249.	1.2	18
47	NADPH oxidase 2 deletion enhances neurogenesis following traumatic brain injury. Free Radical Biology and Medicine, 2018, 123, 62-71.	2.9	16
48	Spontaneous Glutamatergic Synaptic Activity Regulates Constitutive COX-2 Expression in Neurons OPPOSING ROLES FOR THE TRANSCRIPTION FACTORS CREB (cAMP RESPONSE ELEMENT BINDING) PROTEIN AND Sp1 (STIMULATORY PROTEIN-1). Journal of Biological Chemistry, 2016, 291, 27279-27288.	3.4	14
49	Infections of the lung: a predictive, preventive and personalized perspective through the lens of evolution, the emergence of SARS-CoV-2 and its pathogenesis. EPMA Journal, 2020, 11, 581-601.	6.1	11
50	Inflammaging and Cannabinoids. Ageing Research Reviews, 2021, 72, 101487.	10.9	10
51	Basic fibroblast growth factor induces TGF-Î² release in an isoform and glioma-specific manner. NeuroReport, 2002, 13, 239-241.	1.2	9
52	Ganglioside GD3 is upâ€regulated in microglia and regulates phagocytosis following global cerebral ischemia. Journal of Neurochemistry, 2021, 158, 737-752.	3.9	9
53	Inhalant Cannabidiol Inhibits Glioblastoma Progression Through Regulation of Tumor Microenvironment. Cannabis and Cannabinoid Research, 2023, 8, 824-834.	2.9	9
54	A potential role for cannabichromene in modulating TRP channels during acute respiratory distress syndrome. Journal of Cannabis Research, 2021, 3, 45.	3.2	7

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55	Regulation and Role of Neuron-Derived Hemoglobin in the Mouse Hippocampus. International Journal of Molecular Sciences, 2022, 23, 5360.	4.1	4
56	INHIBITION OF NFÎºB REDUCES CELLULAR VIABILITY IN GH3 PITUITARY ADENOMA CELLS. Neurosurgery, 2008, 62, 1122-1128.	1.1	2
57	Pilot Study of Remote Ischemic Conditioning in Acute Spontaneous Intracerebral Hemorrhage. Frontiers in Neuroscience, 2022, 16, .	2.8	2
58	Astrocyteâ€derived glutathione attenuates heminâ€induced cytotoxicity in murine cerebral microvessel. FASEB Journal, 2009, 23, 614.12.	0.5	1
59	Conditioning medicine for ischemic and hemorrhagic stroke. Conditioning Medicine, 2021, 4, 124-129.	1.3	0