

Arumugam Jayakumar

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,068
citations

236833

25
h-index

360920

35
g-index

37
all docs

37
docs citations

37
times ranked

2068
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytes in rare neurological conditions: Morphological and functional considerations. Journal of Comparative Neurology, 2021, 529, 2676-2705.	0.9	8
2	2021 ISHEN guidelines on animal models of hepatic encephalopathy. Liver International, 2021, 41, 1474-1488.	1.9	34
3	Body image dissatisfaction and lower self-esteem as major predictors of poor sleep quality in gynecological cancer patients after surgery: cross-sectional study. BMC Women's Health, 2021, 21, 229.	0.8	22
4	Multi-Organ Histopathological Changes in a Mouse Hepatitis Virus Model of COVID-19. Viruses, 2021, 13, 1703.	1.5	13
5	Radio-protective efficacy of <i>Gymnema sylvestre</i> on <i>Pangasius sutchi</i> against gamma (⁶⁰ Co) irradiation. International Journal of Radiation Biology, 2021, , 1-43.	1.0	1
6	Experimental Models of COVID-19. Frontiers in Cellular and Infection Microbiology, 2021, 11, 792584.	1.8	27
7	Additive Effect of Resveratrol on Astrocyte Swelling Post-exposure to Ammonia, Ischemia and Trauma In Vitro. Neurochemical Research, 2020, 45, 1156-1167.	1.6	12
8	Differential Response of Neural Cells to Trauma-Induced Swelling In Vitro. Neurochemical Research, 2018, 43, 397-406.	1.6	9
9	Hyperammonemia in Hepatic Encephalopathy. Journal of Clinical and Experimental Hepatology, 2018, 8, 272-280.	0.4	66
10	Adrenal Oncocytic Neoplasm with Paradoxical Loss of Important Mitochondrial Steroidogenic Protein: The 18 ^k DA Translocator Protein. Case Reports in Endocrinology, 2017, 2017, 1-7.	0.2	3
11	Decreased STAT3 Phosphorylation Mediates Cell Swelling in Ammonia-Treated Astrocyte Cultures. Biology, 2016, 5, 48.	1.3	3
12	Neuronal Cell Death Induced by Mechanical Percussion Trauma in Cultured Neurons is not Preceded by Alterations in Glucose, Lactate and Glutamine Metabolism. Neurochemical Research, 2016, 41, 307-315.	1.6	9
13	Decreased astrocytic thrombospondin ¹ secretion after chronic ammonia treatment reduces the level of synaptic proteins: <i>in vitro</i> and <i>in vivo</i> studies. Journal of Neurochemistry, 2014, 131, 333-347.	2.1	50
14	Activation of NF- κ B Mediates Astrocyte Swelling and Brain Edema in Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 1249-1257.	1.7	86
15	Sulfonylurea Receptor 1 Contributes to the Astrocyte Swelling and Brain Edema in Acute Liver Failure. Translational Stroke Research, 2014, 5, 28-37.	2.3	41
16	Increased toll ^{like} receptor 4 in cerebral endothelial cells contributes to the astrocyte swelling and brain edema in acute hepatic encephalopathy. Journal of Neurochemistry, 2014, 128, 890-903.	2.1	46
17	Role of cerebral endothelial cells in the astrocyte swelling and brain edema associated with acute hepatic encephalopathy. Neuroscience, 2012, 218, 305-316.	1.1	39
18	Oxidative Stress in Hepatic Encephalopathy. , 2012, , 47-70.		1

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19	The Na ⁺ /K ⁺ /Cl ⁻ cotransporter in the brain edema of acute liver failure. <i>Journal of Hepatology</i> , 2011, 54, 272-278.	1.8	45
20	Na-K-Cl cotransporter-1 in the mechanism of cell swelling in cultured astrocytes after fluid percussion injury. <i>Journal of Neurochemistry</i> , 2011, 117, 437-448.	2.1	76
21	NF- κ B in the mechanism of brain edema in acute liver failure: Studies in transgenic mice. <i>Neurobiology of Disease</i> , 2011, 41, 498-507.	2.1	38
22	The Na ⁺ /K ⁺ /Cl ⁻ Co-transporter in astrocyte swelling. <i>Metabolic Brain Disease</i> , 2010, 25, 31-38.	1.4	112
23	Marked potentiation of cell swelling by cytokines in ammonia-sensitized cultured astrocytes. <i>Journal of Neuroinflammation</i> , 2010, 7, 66.	3.1	81
24	Signaling factors in the mechanism of ammonia neurotoxicity. <i>Metabolic Brain Disease</i> , 2009, 24, 103-117.	1.4	119
25	Ammonia-induced activation of p53 in cultured astrocytes: Role in cell swelling and glutamate uptake. <i>Neurochemistry International</i> , 2009, 55, 98-105.	1.9	45
26	NF- κ B in the mechanism of ammonia-induced astrocyte swelling in culture. <i>Journal of Neurochemistry</i> , 2008, 106, 2302-2311.	2.1	101
27	Na-K-Cl Cotransporter-1 in the Mechanism of Ammonia-induced Astrocyte Swelling. <i>Journal of Biological Chemistry</i> , 2008, 283, 33874-33882.	1.6	112
28	Trauma-Induced Cell Swelling in Cultured Astrocytes. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 417-427.	0.9	64
29	Downregulation of the 18kDa translocator protein: Effects on the ammonia-induced mitochondrial permeability transition and cell swelling in cultured astrocytes. <i>Glia</i> , 2007, 55, 1720-1727.	2.5	38
30	New concepts in the mechanism of ammonia-induced astrocyte swelling. <i>Metabolic Brain Disease</i> , 2007, 22, 219-234.	1.4	161
31	Glutamine in the mechanism of ammonia-induced astrocyte swelling. <i>Neurochemistry International</i> , 2006, 48, 623-628.	1.9	117
32	Oxidative Stress and Mitogen-Activated Protein Kinase Phosphorylation Mediate Ammonia-Induced Cell Swelling and Glutamate Uptake Inhibition in Cultured Astrocytes. <i>Journal of Neuroscience</i> , 2006, 26, 4774-4784.	1.7	191
33	Glutamine-induced free radical production in cultured astrocytes. <i>Glia</i> , 2004, 46, 296-301.	2.5	108
34	Ammonia neurotoxicity: role of the mitochondrial permeability transition. <i>Metabolic Brain Disease</i> , 2003, 18, 113-127.	1.4	91
35	Effects on free radical generation by ligands of the peripheral benzodiazepine receptor in cultured neural cells. <i>Journal of Neurochemistry</i> , 2002, 83, 1226-1234.	2.1	72
36	Differential response of neural cells to trauma-induced free radical production in vitro. <i>Neurochemical Research</i> , 2002, 27, 161-166.	1.6	27

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37	Role of oxidative stress in the ammonia-induced mitochondrial permeability transition in cultured astrocytes. <i>Journal of Neurochemistry</i> , 2002, 81, 108-111.	2.1	0