

Claire Thornton

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,654
citations

172207

29
h-index

223531

46
g-index

51
all docs

51
docs citations

51
times ranked

4286
citing authors

#	ARTICLE	IF	CITATIONS
1	AMP-activated protein kinase: new regulation, new roles?. <i>Biochemical Journal</i> , 2012, 445, 11-27.	1.7	341
2	Identification of a Novel AMP-activated Protein Kinase β Subunit Isoform That Is Highly Expressed in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 1998, 273, 12443-12450.	1.6	206
3	NMDA receptor function is regulated by the inhibitory scaffolding protein, RACK1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5710-5715.	3.3	177
4	AMP-activated protein kinase (AMPK) is a tau kinase, activated in response to amyloid β -peptide exposure. <i>Biochemical Journal</i> , 2011, 434, 503-512.	1.7	155
5	Lipopolysaccharide-induced alteration of mitochondrial morphology induces a metabolic shift in microglia modulating the inflammatory response in vitro and in vivo. <i>Glia</i> , 2019, 67, 1047-1061.	2.5	155
6	Mitochondria: hub of injury responses in the developing brain. <i>Lancet Neurology</i> , The, 2014, 13, 217-232.	4.9	153
7	Cell Death in the Developing Brain after Hypoxia-Ischemia. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 248.	1.8	123
8	Molecular Mechanisms of Neonatal Brain Injury. <i>Neurology Research International</i> , 2012, 2012, 1-16.	0.5	102
9	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Signaling and Cell Death in the Immature Central Nervous System after Hypoxia-Ischemia and Inflammation. <i>Journal of Biological Chemistry</i> , 2014, 289, 9430-9439.	1.6	82
10	Role of mitochondria in apoptotic and necroptotic cell death in the developing brain. <i>Clinica Chimica Acta</i> , 2015, 451, 35-38.	0.5	82
11	Spatial and Temporal Regulation of RACK1 Function and N-methyl-D-aspartate Receptor Activity through WD40 Motif-mediated Dimerization. <i>Journal of Biological Chemistry</i> , 2004, 279, 31357-31364.	1.6	71
12	Mind Bomb-2 Is an E3 Ligase That Ubiquitinates the N-Methyl-d-aspartate Receptor NR2B Subunit in a Phosphorylation-dependent Manner. <i>Journal of Biological Chemistry</i> , 2008, 283, 301-310.	1.6	66
13	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. <i>Frontiers in Physiology</i> , 2019, 10, 955.	1.3	55
14	H-Ras Modulates N-Methyl-D-aspartate Receptor Function via Inhibition of Src Tyrosine Kinase Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 23823-23829.	1.6	53
15	A dual role for AMP-activated protein kinase (AMPK) during neonatal hypoxic-ischaemic brain injury in mice. <i>Journal of Neurochemistry</i> , 2015, 133, 242-252.	2.1	53
16	Toll-Like Receptor 3 Expression in Glia and Neurons Alters in Response to White Matter Injury in Preterm Infants. <i>Developmental Neuroscience</i> , 2013, 35, 130-139.	1.0	51
17	Oxidative stress and endoplasmic reticulum (ER) stress in the development of neonatal hypoxic-ischaemic brain injury. <i>Biochemical Society Transactions</i> , 2017, 45, 1067-1076.	1.6	51
18	Receptor for complement peptide C3a: a therapeutic target for neonatal hypoxic-ischemic brain injury. <i>FASEB Journal</i> , 2013, 27, 3797-3804.	0.2	48

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19	Investigating the Regulation of Brain-specific Kinases 1 and 2 by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 14946-14954.	1.6	47
20	Mitochondrial Optic Atrophy (OPA) 1 Processing Is Altered in Response to Neonatal Hypoxic-Ischemic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22509-22526.	1.8	47
21	Voxel-wise comparisons of cellular microstructure and diffusion-MRI in mouse hippocampus using 3D Bridging of Optically-clear histology with Neuroimaging Data (3D-BOND). <i>Scientific Reports</i> , 2018, 8, 4011.	1.6	47
22	Magnesium induces preconditioning of the neonatal brain via profound mitochondrial protection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1038-1055.	2.4	44
23	Mitochondria, Bioenergetics and Excitotoxicity: New Therapeutic Targets in Perinatal Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 199.	1.8	43
24	Mitochondrial dynamics, mitophagy and biogenesis in neonatal hypoxic-ischaemic brain injury. <i>FEBS Letters</i> , 2018, 592, 812-830.	1.3	42
25	Death Associated Protein Kinases: Molecular Structure and Brain Injury. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13858-13872.	1.8	37
26	Neuroprotective exendin-4 enhances hypothermia therapy in a model of hypoxic-ischaemic encephalopathy. <i>Brain</i> , 2018, 141, 2925-2942.	3.7	35
27	Mitochondria and perinatal brain injury. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 35-38.	0.7	33
28	$\gamma\delta$ T cells but not $\alpha\beta$ T cells contribute to sepsis-induced white matter injury and motor abnormalities in mice. <i>Journal of Neuroinflammation</i> , 2017, 14, 255.	3.1	32
29	Cellular Mechanisms of Toll-Like Receptor-3 Activation in the Thalamus Are Associated With White Matter Injury in the Developing Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 273-285.	0.9	31
30	Muscarinic Receptor Activation of AMP-activated Protein Kinase Inhibits Orexigenic Neuropeptide mRNA Expression. <i>Journal of Biological Chemistry</i> , 2008, 283, 17116-17122.	1.6	30
31	Early life exposure to air pollution impacts neuronal and glial cell function leading to impaired neurodevelopment. <i>BioEssays</i> , 2021, 43, e2000288.	1.2	30
32	Implicating Receptor Activator of NF- κ B (RANK)/RANK Ligand Signalling in Microglial Responses to Toll-Like Receptor Stimuli. <i>Developmental Neuroscience</i> , 2017, 39, 192-206.	1.0	23
33	Magnesium sulphate induces preconditioning in preterm rodent models of cerebral hypoxia-ischemia. <i>International Journal of Developmental Neuroscience</i> , 2018, 70, 56-66.	0.7	14
34	The role of mitochondria in cocaine addiction. <i>Biochemical Journal</i> , 2021, 478, 749-764.	1.7	14
35	Post-mortem Characterisation of a Case With an ACTG1 Variant, Agenesis of the Corpus Callosum and Neuronal Heterotopia. <i>Frontiers in Physiology</i> , 2019, 10, 623.	1.3	11
36	Molecular characterization of the AMP-activated protein kinase and its role in cellular metabolism. <i>Biochemical Society Transactions</i> , 1997, 25, 1224-1228.	1.6	10

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37	The Anti-Inflammatory Effects of the Small Molecule Pifithrin- μ on BV2 Microglia. <i>Developmental Neuroscience</i> , 2015, 37, 363-375.	1.0	10
38	Zeta Inhibitory Peptide attenuates learning and memory by inducing NO-mediated downregulation of AMPA receptors. <i>Nature Communications</i> , 2020, 11, 3688.	5.8	10
39	Neuroprotective Effects of Diabetes Drugs for the Treatment of Neonatal Hypoxia-Ischemia Encephalopathy. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 112.	1.8	8
40	Does Caspase-6 Have a Role in Perinatal Brain Injury?. <i>Developmental Neuroscience</i> , 2015, 37, 321-337.	1.0	6
41	Effect of Trp53 gene deficiency on brain injury after neonatal hypoxia-ischemia. <i>Oncotarget</i> , 2017, 8, 12081-12092.	0.8	5
42	Induction of Mitochondrial Fragmentation and Mitophagy after Neonatal Hypoxia-Ischemia. <i>Cells</i> , 2022, 11, 1193.	1.8	5
43	Mitochondrial dynamics in the neonatal brain – a potential target following injury?. <i>Bioscience Reports</i> , 2022, 42, .	1.1	5
44	AMPK: keeping the (power)house in order?. <i>Neuronal Signaling</i> , 2017, 1, NS20160020.	1.7	4
45	139 IDENTIFICATION OF A NOVEL AMPK β SUBUNIT THAT IS HIGHLY EXPRESSED IN SKELETAL MUSCLE. <i>Biochemical Society Transactions</i> , 1997, 25, S667-S667.	1.6	3
46	TWEAK Receptor Deficiency Has Opposite Effects on Female and Male Mice Subjected to Neonatal Hypoxia-Ischemia. <i>Frontiers in Neurology</i> , 2018, 9, 230.	1.1	3
47	Mechanisms of Cell Death in the Developing Brain. , 2017, , 76-85.e4.		1
48	Neuroprotective Strategies for Newborns. , 2016, , 1-15.		0
49	Neuroprotective Strategies for Newborns. , 2018, , 2185-2199.		0
50	Editorial: Experimental and Clinical Approaches in the Pursuit of Novel Therapeutic Strategies for Perinatal Brain Injury and Its Neurological Sequelae. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 762111.	1.8	0
51	Differential effects of Urban Particulate Matter on BV2 microglial-like and C17.2 neural stem/precursor cells. <i>Developmental Neuroscience</i> , 2022, , .	1.0	0