

Aviva J Symes

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,566
citations

172457

29
h-index

197818

49
g-index

61
all docs

61
docs citations

61
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	Chondroitin-4-sulfation negatively regulates axonal guidance and growth. <i>Journal of Cell Science</i> , 2008, 121, 3083-3091.	2.0	211
2	Enhancing leptin response by preventing SH2-containing phosphatase 2 interaction with Ob receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 6061-6066.	7.1	157
3	Neurorestoration after traumatic brain injury through angiotensin II receptor blockage. <i>Brain</i> , 2015, 138, 3299-3315.	7.6	110
4	The protein tyrosine phosphatase SHP-2 negatively regulates ciliary neurotrophic factor induction of gene expression. <i>Current Biology</i> , 1997, 7, 697-700.	3.9	107
5	Candesartan, an Angiotensin II AT1-Receptor Blocker and PPAR- β Agonist, Reduces Lesion Volume and Improves Motor and Memory Function After Traumatic Brain Injury in Mice. <i>Neuropsychopharmacology</i> , 2012, 37, 2817-2829.	5.4	101
6	Temporal Dynamics of Cerebral Blood Flow, Cortical Damage, Apoptosis, Astrocyte-Vasculature Interaction and Astrogliosis in the Pericontusional Region after Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2014, 5, 82.	2.4	97
7	Alterations in sulfated chondroitin glycosaminoglycans following controlled cortical impact injury in mice. <i>Journal of Comparative Neurology</i> , 2012, 520, 3295-3313.	1.6	86
8	Structure and methylation of the human calcitonin receptor-like receptor gene. <i>Nucleic Acids Research</i> , 1989, 17, 6999-7011.	14.5	82
9	Temporal Patterns of Cortical Proliferation of Glial Cell Populations after Traumatic Brain Injury in Mice. <i>ASN Neuro</i> , 2014, 6, AN20130034.	2.7	80
10	Smad3 null mice display more rapid wound closure and reduced scar formation after a stab wound to the cerebral cortex. <i>Experimental Neurology</i> , 2007, 203, 168-184.	4.1	79
11	TGF- β Superfamily Gene Expression and Induction of the Runx1 Transcription Factor in Adult Neurogenic Regions after Brain Injury. <i>PLoS ONE</i> , 2013, 8, e59250.	2.5	75
12	Commercially Available Angiotensin II At2 Receptor Antibodies Are Nonspecific. <i>PLoS ONE</i> , 2013, 8, e69234.	2.5	65
13	Smad proteins differentially regulate transforming growth factor- β -mediated induction of chondroitin sulfate proteoglycans. <i>Journal of Neurochemistry</i> , 2011, 119, 868-878.	3.9	64
14	Coordinate Regulation of Choline Acetyltransferase, Tyrosine Hydroxylase, and Neuropeptide mRNAs by Ciliary Neurotrophic Factor and Leukemia Inhibitory Factor in Cultured Sympathetic Neurons. <i>Journal of Neurochemistry</i> , 1994, 63, 429-438.	3.9	60
15	A Sweat Gland-derived Differentiation Activity Acts through Known Cytokine Signaling Pathways. <i>Journal of Biological Chemistry</i> , 1997, 272, 30421-30428.	3.4	59
16	STAT proteins participate in the regulation of the vasoactive intestinal peptide gene by the ciliary neurotrophic factor family of cytokines. <i>Molecular Endocrinology</i> , 1994, 8, 1750-1763.	3.7	58
17	Coordinate Regulation of STAT Signaling and c-fos Expression by the Tyrosine Phosphatase SHP-2. <i>Journal of Biological Chemistry</i> , 1998, 273, 6233-6241.	3.4	58
18	Bone morphogenetic protein-2 and spinal arthrodesis: the basic science perspective on protein interaction with the nervous system. <i>Spine Journal</i> , 2011, 11, 500-505.	1.3	58

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19	Ciliary neurotrophic factor coordinately activates transcription of neuropeptide genes in a neuroblastoma cell line.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 572-576.	7.1	57
20	Regulation of CCN2/Connective tissue growth factor expression in the nucleus pulposus of the intervertebral disc: Role of Smad and activator protein 1 signaling. Arthritis and Rheumatism, 2010, 62, 1983-1992.	6.7	54
21	Integration of Jak-Stat and AP-1 Signaling Pathways at the Vasoactive Intestinal Peptide Cytokine Response Element Regulates Ciliary Neurotrophic Factor-dependent Transcription. Journal of Biological Chemistry, 1997, 272, 9648-9654.	3.4	53
22	Activation of Protein Kinase C μ Inhibits the Two-pore Domain K ⁺ Channel, TASK-1, Inducing Repolarization Abnormalities in Cardiac Ventricular Myocytes. Journal of Biological Chemistry, 2004, 279, 33154-33160.	3.4	50
23	Oncostatin M regulates VIP expression in a human neuroblastoma cell line. NeuroReport, 1992, 3, 865-868.	1.2	49
24	Histone Deacetylase Inhibition Rescues Maternal Deprivation-Induced GABAergic Metaplasticity through Restoration of AKAP Signaling. Neuron, 2015, 86, 1240-1252.	8.1	47
25	STAT proteins are activated by ciliary neurotrophic factor in cells of central nervous system origin. , 1996, 43, 403-411.		42
26	Regulation of Nociceptin/Orphanin FQ Gene Expression by Neurotrophic Cytokines and Neurotrophic Factors in Neurons and Astrocytes. Journal of Neurochemistry, 2008, 72, 1882-1889.	3.9	42
27	Bone morphogenetic protein-2 used in spinal fusion with spinal cord injury penetrates intrathecally and elicits a functional signaling cascade. Spine Journal, 2010, 10, 16-25.	1.3	39
28	The cAMP response element binding protein modulates expression of the transient outward current: Implications for cardiac memory. Cardiovascular Research, 2005, 68, 259-267.	3.8	35
29	Runx1 promotes proliferation and neuronal differentiation in adult mouse neurosphere cultures. Stem Cell Research, 2015, 15, 554-564.	0.7	35
30	A Minimal CGRP Gene Promoter is Inducible by Nerve Growth Factor in Adult Rat Dorsal Root Ganglion Neurons But Not in PC12 Phaeochromocytoma Cells. European Journal of Neuroscience, 1995, 7, 394-400.	2.6	34
31	Transforming Growth Factor- β 2 and Ciliary Neurotrophic Factor Synergistically Induce Vasoactive Intestinal Peptide Gene Expression through the Cooperation of Smad, STAT, and AP-1 Sites. Journal of Biological Chemistry, 2001, 276, 19966-19973.	3.4	33
32	Hepatic Expression of Serum Amyloid A1 Is Induced by Traumatic Brain Injury and Modulated by Telmisartan. American Journal of Pathology, 2015, 185, 2641-2652.	3.8	33
33	LPS antagonism of TGF- β 2 signaling results in prolonged survival and activation of rat primary microglia. Journal of Neurochemistry, 2014, 129, 155-168.	3.9	31
34	WWL70 protects against chronic constriction injury-induced neuropathic pain in mice by cannabinoid receptor-independent mechanisms. Journal of Neuroinflammation, 2018, 15, 9.	7.2	29
35	Subcutaneous Administration of Angiotensin-(1-7) Improves Recovery after Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2019, 36, 3115-3131.	3.4	26
36	Transforming growth factor β 2 controls CCN3 expression in nucleus pulposus cells of the intervertebral disc. Arthritis and Rheumatism, 2011, 63, 3022-3031.	6.7	25

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37	WWL70 attenuates PGE2 production derived from 2-arachidonoylglycerol in microglia by ABHD6-independent mechanism. <i>Journal of Neuroinflammation</i> , 2017, 14, 7.	7.2	25
38	C/EBP-related Sites in Addition to a Stat Site Are Necessary for Ciliary Neurotrophic Factor-Leukemia Inhibitory Factor-dependent Transcriptional Activation by the Vasoactive Intestinal Peptide Cytokine Response Element. <i>Journal of Biological Chemistry</i> , 1995, 270, 8068-8075.	3.4	24
39	NFAT4 is expressed in primary astrocytes and activated by glutamate. <i>Journal of Neuroscience Research</i> , 2003, 72, 191-197.	2.9	20
40	Differences in Nuclear Signaling by Leukemia Inhibitory Factor and Interferon β : The Role of STAT Proteins in Regulating Vasoactive Intestinal Peptide Gene Expression. <i>Journal of Neurochemistry</i> , 1995, 65, 1926-1933.	3.9	19
41	Smad3 deficiency increases cortical and hippocampal neuronal loss following traumatic brain injury. <i>Experimental Neurology</i> , 2013, 250, 353-365.	4.1	18
42	Loss of transcriptional repression contributes to the ectopic expression of the calcitonin β -CGRP gene in a human lung carcinoma cell line. <i>FEBS Letters</i> , 1992, 306, 229-233.	2.8	16
43	Smad3 Deficiency Reduces Neurogenesis in Adult Mice. <i>Journal of Molecular Neuroscience</i> , 2010, 41, 383-396.	2.3	15
44	Identification of a Novel gp130-responsive Site in the Vasoactive Intestinal Peptide Cytokine Response Element. <i>Journal of Biological Chemistry</i> , 2000, 275, 36013-36020.	3.4	14
45	Vasoactive intestinal peptide induction by ciliary neurotrophic factor in donor human corneal endothelium in situ. <i>Neuroscience Letters</i> , 2007, 423, 89-94.	2.1	13
46	Transcriptomic Analysis of Mouse Brain After Traumatic Brain Injury Reveals That the Angiotensin Receptor Blocker Candesartan Acts Through Novel Pathways. <i>Frontiers in Neuroscience</i> , 2021, 15, 636259.	2.8	13
47	Alterations in Recovery from Spinal Cord Injury in Rats Treated with Recombinant Human Bone Morphogenetic Protein-2 for Posterolateral Arthrodesis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 1488-1499.	3.0	12
48	Bone morphogenetic protein-2-mediated pain and inflammation in a rat model of posterolateral arthrodesis. <i>BMC Neuroscience</i> , 2016, 17, 80.	1.9	12
49	Synergy of Activin and Ciliary Neurotrophic Factor Signaling Pathways in the Induction of Vasoactive Intestinal Peptide Gene Expression. <i>Molecular Endocrinology</i> , 2000, 14, 429-439.	3.7	10
50	Microglial Activation Results in Inhibition of TGF β -Regulated Gene Expression. <i>Journal of Molecular Neuroscience</i> , 2017, 63, 308-319.	2.3	10
51	Receptor protein tyrosine phosphatase β binds to neurons in the adult mouse brain. <i>Experimental Neurology</i> , 2014, 255, 12-18.	4.1	9
52	NFAT interactions with the vasoactive intestinal peptide cytokine response element. , 1998, 52, 93-104.		6
53	The extended renin-angiotensin system: a promising target for traumatic brain injury therapeutics. <i>Neural Regeneration Research</i> , 2020, 15, 1025.	3.0	6
54	Leptin and TGF β synergistically regulate VIP cytokine response element transcription. <i>NeuroReport</i> , 2000, 11, 4049-4053.	1.2	3

#	ARTICLE	IF	CITATIONS
55	Dmitriev et al. respond. Spine Journal, 2011, 11, 802-803.	1.3	0
56	Postoperative Hyperalgesia and Nerve Root Inflammation Following Posterolateral Arthrodesis with rhBMP-2: An In Vivo Rat Study. Spine Journal, 2011, 11, S55-S56.	1.3	0
57	Alterations in sulfated chondroitin glycosaminoglycans following controlled cortical impact injury in mice. Journal of Comparative Neurology, 2012, 520, Spc1-Spc1.	1.6	0
58	Introduction to special issue on traumatic brain injury. Experimental Neurology, 2016, 275, 303-304.	4.1	0
59	Comparison of the effects of osmotic pump implantation with subcutaneous injection for administration of drugs after total body irradiation in mice. Laboratory Animals, 2021, 55, 142-149.	1.0	0
60	Iron Deposition in the Spleen in a Murine Model of Acute Radiation Syndrome. FASEB Journal, 2022, 36, .	0.5	0