Jack H Jhamandas

List of Publications by Year
in descending order

86	5,586	87888 38	79698 73
papers	citations	h-index	g-index

89	89	89	5829
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extracellular vesicles enriched with amylin receptor are cytoprotective against the AÃŸ toxicity in vitro. PLoS ONE, 2022, 17, e0267164.	2.5	1
2	Genetic Depletion of Amylin/Calcitonin Receptors Improves Memory and Learning in Transgenic Alzheimerâ€™s Disease Mouse Models. Molecular Neurobiology, 2021, 58, 5369-5382.	4.0	7
3	Cyanidin-3-O-Glucoside improves the viability of human islet cells treated with amylin or AÎ²1-42 in vitro. PLoS ONE, 2021, 16, e0258208.	2.5	7
4	Brain energy rescue: an emerging therapeutic concept for neurodegenerative disorders of ageing. Nature Reviews Drug Discovery, 2020, 19, 609-633.	46.4	441
5	Amylin and amylin receptors in Alzheimer's disease. , 2020, , 309-324.		1
6	Short amylin receptor antagonist peptides improve memory deficits in Alzheimerâ€™s disease mouse model. Scientific Reports, 2019, 9, 10942.	3.3	25
7	Pramlintide Antagonizes Beta Amyloid (AÎ²)- and Human Amylin-Induced Depression of Hippocampal Long-Term Potentiation. Molecular Neurobiology, 2017, 54, 748-754.	4.0	19
8	Cyclic AC253, a novel amylin receptor antagonist, improves cognitive deficits in a mouse model of Alzheimer's disease. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2017, 3, 44-56.	3.7	24
9	Amylin Receptor: A Potential Therapeutic Target for Alzheimerâ€™s Disease. Trends in Molecular Medicine, 2017, 23, 709-720.	6.7	21
10	Role of microglial amylin receptors in mediating beta amyloid (AÎ²)-induced inflammation. Journal of Neuroinflammation, 2017, 14, 199.	7.2	41
11	Histamine induces the production of matrix metalloproteinase-9 in human astrocytic cultures via H1-receptor subtype. Brain Structure and Function, 2016, 221, 1845-1860.	2.3	12
12	ApoE and pulse pressure interactively influence level and change in the aging of episodic memory: Protective effects among Îµ2 carriers.. Neuropsychology, 2015, 29, 388-401.	1.3	26
13	Bioenergetic Mechanisms in Astrocytes May Contribute to Amyloid Plaque Deposition and Toxicity. Journal of Biological Chemistry, 2015, 290, 12504-12513.	3.4	63
14	Synergistic associations of catechol-O-methyltransferase and brain-derived neurotrophic factor with executive function in agingÂare selective and modified by apolipoprotein E. Neurobiology of Aging, 2015, 36, 249-256.	3.1	21
15	IDE (rs6583817) polymorphism and pulse pressure are independently and interactively associated with level and change in executive function in older adults.. Psychology and Aging, 2014, 29, 418-430.	1.6	26
16	The hypothalamic neuropeptide <scp>FF</scp> network is impaired in hypertensive patients. Brain and Behavior, 2014, 4, 453-467.	2.2	5
17	Characterization of the NT2â€derived neuronal and astrocytic cell lines as alternative in vitro models for primary human neurons and astrocytes. Journal of Neuroscience Research, 2014, 92, 1187-1198.	2.9	34
18	Role of astrocytic glycolytic metabolism in Alzheimerâ€™s disease pathogenesis. Biogerontology, 2014, 15, 579-586.	3.9	23

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19	APOE and COMT polymorphisms are complementary biomarkers of status, stability, and transitions in normal aging and early mild cognitive impairment. Frontiers in Aging Neuroscience, 2014, 6, 236.	3.4	32
20	Islet Amyloid Polypeptide (IAPP): A Second Amyloid in Alzheimer's Disease. Current Alzheimer Research, 2014, 11, 928-940.	1.4	76
21	Distinct morphological and electrophysiological properties of an elk prion peptide. Peptides, 2013, 40, 49-56.	2.4	4
22	IDE (rs6583817) polymorphism and type 2 diabetes differentially modify executive function in older adults. Neurobiology of Aging, 2013, 34, 2208-2216.	3.1	20
23	Glutamate system, amyloid Î² peptides and tau protein: functional interrelationships and relevance to Alzheimer disease pathology. Journal of Psychiatry and Neuroscience, 2013, 38, 6-23.	2.4	247
24	The Prion Protein Modulates A-type K+ Currents Mediated by Kv4.2 Complexes through Dipeptidyl Aminopeptidase-like Protein 6. Journal of Biological Chemistry, 2013, 288, 37241-37255.	3.4	25
25	Role of neuropeptide FF in central cardiovascular and neuroendocrine regulation. Frontiers in Endocrinology, 2013, 4, 8.	3.5	39
26	Amylin Receptor: A Common Pathophysiological Target in Alzheimerâ€™s Disease and Diabetes Mellitus. Frontiers in Aging Neuroscience, 2013, 5, 42.	3.4	23
27	The Pâ€™s and Qâ€™s of cellular PrP-AÎ² interactions. Prion, 2012, 6, 359-363.	1.8	10
28	Amyloid Î² (AÎ²) Peptide Directly Activates Amylin-3 Receptor Subtype by Triggering Multiple Intracellular Signaling Pathways. Journal of Biological Chemistry, 2012, 287, 18820-18830.	3.4	80
29	Beta Amyloid-Induced Depression of Hippocampal Long-Term Potentiation Is Mediated through the Amylin Receptor. Journal of Neuroscience, 2012, 32, 17401-17406.	3.6	58
30	Neuronal receptors as targets for the action of amyloid-beta protein (AÎ²) in the brain. Expert Reviews in Molecular Medicine, 2012, 14, e2.	3.9	46
31	Î²-Amyloid protein (AÎ²) and human amylin regulation of apoptotic genes occurs through the amylin receptor. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 37-47.	4.9	42
32	Actions of Î²-Amyloid Protein on Human Neurons Are Expressed through the Amylin Receptor. American Journal of Pathology, 2011, 178, 140-149.	3.8	73
33	Vasopressin (VP) and neuropeptide FF (NPFF) systems in the normal and hypertensive human brainstem. Journal of Comparative Neurology, 2011, 519, 93-124.	1.6	21
34	AÎ² Inhibition of Ionic Conductance in Mouse Basal Forebrain Neurons Is Dependent upon the Cellular Prion Protein PrP^C. Journal of Neuroscience, 2011, 31, 16292-16297.	3.6	30
35	Interaction between hypothalamic dorsomedial nucleus and the suprachiasmatic nucleus determines intensity of food anticipatory behavior. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5813-5818.	7.1	154
36	Ionic mechanisms of action of prion protein fragment PrP(106â€“126) in rat basal forebrain neurons. Journal of Neuroscience Research, 2010, 88, 2217-2227.	2.9	11

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37	Hepatitis C Virus Core Protein Induces Neuroimmune Activation and Potentiates Human Immunodeficiency Virus-1 Neurotoxicity. PLoS ONE, 2010, 5, e12856.	2.5	66
38	Prolactinâ€releasing peptide effects in the rat brain are mediated through the Neuropeptide FF receptor. European Journal of Neuroscience, 2009, 30, 1585-1593.	2.6	31
39	Neuropeptide FF2 receptor distribution in the human brain. Peptides, 2008, 29, 1544-1553.	2.4	15
40	HIV-1 Vpr Causes Neuronal Apoptosis andIn VivoNeurodegeneration. Journal of Neuroscience, 2007, 27, 3703-3711.	3.6	126
41	Neuropeptide FF and neuropeptide VF inhibit GABAergic neurotransmission in parvocellular neurons of the rat hypothalamic paraventricular nucleus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1872-R1880.	1.8	26
42	Amyloid Î² Protein Modulates Glutamate-Mediated Neurotransmission in the Rat Basal Forebrain: Involvement of Presynaptic Neuronal Nicotinic Acetylcholine and Metabotropic Glutamate Receptors. Journal of Neuroscience, 2007, 27, 9262-9269.	3.6	54
43	Proteinase-Activated Receptor-2 Exerts Protective and Pathogenic Cell Type-Specific Effects in Alzheimerâ€™s Disease. Journal of Immunology, 2007, 179, 5493-5503.	0.8	53
44	Î²-Amyloid enhances intracellular calcium rises mediated by repeated activation of intracellular calcium stores and nicotinic receptors in acutely dissociated rat basal forebrain neurons. Brain Cell Biology, 2007, 35, 173-186.	3.2	25
45	Amyloid Î²-Peptide and Central Cholinergic Neurons: Involvement in Normal Brain Function and Alzheimerâ€™s Disease Pathology. , 2007, , 159-178.		0
46	Galanin attenuates Î²-amyloid (AÎ²) toxicity in rat cholinergic basal forebrain neurons. Neurobiology of Disease, 2006, 21, 413-420.	4.4	67
47	Neuropeptide FF (NPFF) control of magnocellular neurosecretory cells of the rat hypothalamic paraventricular nucleus (PVN). Peptides, 2006, 27, 973-979.	2.4	19
48	Neuropeptide FF distribution in the human and rat forebrain: A comparative immunohistochemical study. Journal of Comparative Neurology, 2006, 496, 572-593.	1.6	14
49	Single Transmembrane Domain Insulin-Like Growth Factor-II/Mannose-6-Phosphate Receptor Regulates Central Cholinergic Function by Activating a G-Protein-Sensitive, Protein Kinase C-Dependent Pathway. Journal of Neuroscience, 2006, 26, 585-596.	3.6	79
50	RF9, a potent and selective neuropeptide FF receptor antagonist, prevents opioid-induced tolerance associated with hyperalgesia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 466-471.	7.1	206
51	Proteolytic processing of SDF-1Â reveals a change in receptor specificity mediating HIV-associated neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19182-19187.	7.1	97
52	Fucoidan inhibits cellular and neurotoxic effects of Î²-amyloid (AÎ²) in rat cholinergic basal forebrain neurons. European Journal of Neuroscience, 2005, 21, 2649-2659.	2.6	88
53	18F-FESB: synthesis and automated radiofluorination of a novel18F-labeled pet tracer forÎ²-amyloid plaques. Journal of Labelled Compounds and Radiopharmaceuticals, 2005, 48, 983-996.	1.0	6
54	Distribution of the neuropeptide FF1 receptor (hFF1) in the human hypothalamus and surrounding basal forebrain structures: Immunohistochemical study. Journal of Comparative Neurology, 2004, 474, 487-503.	1.6	20

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55	Antagonist of the Amylin Receptor Blocks Â-Amyloid Toxicity in Rat Cholinergic Basal Forebrain Neurons. Journal of Neuroscience, 2004, 24, 5579-5584.	3.6	60
56	Autonomic and neuroendocrine actions of adrenomedullin in the brain: mechanisms for homeostasis. Regulatory Peptides, 2003, 112, 33-40.	1.9	21
57	Human Amylin Actions on Rat Cholinergic Basal Forebrain Neurons: Antagonism of Beta-Amyloid Effects. Journal of Neurophysiology, 2003, 89, 2923-2930.	1.8	25
58	Î²-Amyloid Peptide Activates Non-Î±7 Nicotinic Acetylcholine Receptors in Rat Basal Forebrain Neurons. Journal of Neurophysiology, 2003, 90, 3130-3136.	1.8	56
59	Novel Excitatory Actions of Galanin on Rat Cholinergic Basal Forebrain Neurons: Implications for Its Role in Alzheimer's Disease. Journal of Neurophysiology, 2002, 87, 696-704.	1.8	56
60	Central administration of neuropeptide FF (NPFF) causes increased neuronal activation and up-regulation of NPFF gene expression in the rat brainstem. Journal of Comparative Neurology, 2002, 447, 300-307.	1.6	16
61	New central projections of neuropeptide FF: colateral branching pathways in the brainstem and hypothalamus in the rat. Journal of Chemical Neuroanatomy, 2001, 21, 171-179.	2.1	22
62	Cellular Mechanisms for Amyloid Î²-Protein Activation of Rat Cholinergic Basal Forebrain Neurons. Journal of Neurophysiology, 2001, 86, 1312-1320.	1.8	69
63	Synaptic Actions of Neuropeptide FF in the Rat Parabrachial Nucleus: Interactions With Opioid Receptors. Journal of Neurophysiology, 2000, 84, 744-751.	1.8	19
64	Ionic Mechanisms of Action of Neurotensin in Acutely Dissociated Neurons From the Diagonal Band of Broca of the Rat. Journal of Neurophysiology, 1999, 81, 234-246.	1.8	25
65	Recombinant Tissue-Type Plasminogen Activator (Alteplase) for Ischemic Stroke 3 to 5 Hours After Symptom Onset. JAMA - Journal of the American Medical Association, 1999, 282, 2019.	7.4	1,030
66	Zinc modulation of ionic currents in the horizontal limb of the diagonal band of Broca. Neuroscience, 1999, 94, 785-795.	2.3	20
67	Activation by Systemic Angiotensin II of Neurochemically Identified Neurons in Rat Hypothalamic Paraventricular Nucleus. Journal of Neuroendocrinology, 1998, 10, 453-459.	2.6	35
68	GABA A receptor modulation by protein tyrosine kinase in the rat diagonal band of Broca. Brain Research, 1997, 775, 127-133.	2.2	19
69	Measurement of rigidity in Parkinson's disease. Movement Disorders, 1997, 12, 24-32.	3.9	121
70	Parabrachial nucleus projection to the amygdala in the rat: Electrophysiological and anatomical observations. Brain Research Bulletin, 1996, 39, 115-126.	3.0	89
71	Activation of nitric oxide-synthesizing neurones during precipitated morphine withdrawal. NeuroReport, 1996, 7, 2843-2846.	1.2	35
72	Connectivity between brainstem autonomic structures and expression of c-fos following electrical stimulation of the central nucleus of the amygdala in rat. Cell and Tissue Research, 1996, 283, 367-374.	2.9	23

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73	Changes in blood volume and pressure induce c-fos expression in brainstem neurons that project to the paraventricular nucleus of the hypothalamus. Molecular Brain Research, 1995, 34, 99-108.	2.3	57
74	Chemically defined collateral projections from the pons to the central nucleus of the amygdala and hypothalamic paraventricular nucleus in the rat. Cell and Tissue Research, 1994, 277, 289-295.	2.9	109
75	Electrical stimulation of the central nucleus of the amygdala induces fos-like immunoreactivity in the hypothalamus of the rat: a quantitative study. Molecular Brain Research, 1994, 22, 333-340.	2.3	25
76	Expression of c-fos Protein in Rat Brain Elicited by Electrical and Chemical Stimulation of the Hypothalamic Paraventricular Nucleus. Neuroendocrinology, 1994, 59, 590-602.	2.5	51
77	Chemically defined collateral projections from the pons to the central nucleus of the amygdala and hypothalamic paraventricular nucleus in the rat. Cell and Tissue Research, 1994, 277, 289-295.	2.9	8
78	Branching projections of catecholaminergic brainstem neurons to the paraventricular hypothalamic nucleus and the central nucleus of the amygdala in the rat. Brain Research, 1993, 609, 81-92.	2.2	151
79	Efferent projections from the parabrachial nucleus demonstrated with the anterograde tracer Phaseolus vulgaris leucoagglutinin. Brain Research Bulletin, 1993, 30, 163-172.	3.0	225
80	Characterization of peptidergic efferents from the lateral parabrachial nucleus to identified neurons in the rat dorsal raphe nucleus. Journal of Chemical Neuroanatomy, 1992, 5, 367-373.	2.1	27
81	Influence of nucleus tractus solitarius stimulation and baroreceptor activation on rat parabrachial neurons. Brain Research Bulletin, 1992, 28, 565-571.	3.0	42
82	Characterization of the Parabrachial Nucleus Input to the Hypothalamic Paraventricular Nucleus in the Rat. Journal of Neuroendocrinology, 1992, 4, 461-471.	2.6	38
83	The hypothalamic paraventricular and lateral parabrachial nuclei receive collaterals from raphe nucleus neurons: A combined double retrograde and immunocytochemical study. Journal of Comparative Neurology, 1992, 318, 18-26.	1.6	128
84	Parabrachial nucleus projection towards the hypothalamic supraoptic nucleus: Electrophysiological and anatomical observations in the rat. Journal of Comparative Neurology, 1991, 308, 42-50.	1.6	35
85	Motor unit numbers and contractile properties after spinal cord injury. Annals of Neurology, 1990, 28, 496-502.	5.3	105
86	Diagonal band neurons may mediate arterial baroreceptor input to hypothalamic vasopressin-secreting neurons. Neuroscience Letters, 1986, 65, 214-218.	2.1	62