

Jack H Jhamandas

List of Publications by Year in descending order

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86
papers

5,586
citations

87888

38
h-index

79698

73
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89
all docs

89
docs citations

89
times ranked

5829
citing authors

#	ARTICLE	IF	CITATIONS
1	Recombinant Tissue-Type Plasminogen Activator (Alteplase) for Ischemic Stroke 3 to 5 Hours After Symptom Onset. <i>JAMA - Journal of the American Medical Association</i> , 1999, 282, 2019.	7.4	1,030
2	Brain energy rescue: an emerging therapeutic concept for neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 609-633.	46.4	441
3	Glutamate system, amyloid β peptides and tau protein: functional interrelationships and relevance to Alzheimer disease pathology. <i>Journal of Psychiatry and Neuroscience</i> , 2013, 38, 6-23.	2.4	247
4	Efferent projections from the parabrachial nucleus demonstrated with the anterograde tracer Phaseolus vulgaris leucoagglutinin. <i>Brain Research Bulletin</i> , 1993, 30, 163-172.	3.0	225
5	RF9, a potent and selective neuropeptide FF receptor antagonist, prevents opioid-induced tolerance associated with hyperalgesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 466-471.	7.1	206
6	Interaction between hypothalamic dorsomedial nucleus and the suprachiasmatic nucleus determines intensity of food anticipatory behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5813-5818.	7.1	154
7	Branching projections of catecholaminergic brainstem neurons to the paraventricular hypothalamic nucleus and the central nucleus of the amygdala in the rat. <i>Brain Research</i> , 1993, 609, 81-92.	2.2	151
8	The hypothalamic paraventricular and lateral parabrachial nuclei receive collaterals from raphe nucleus neurons: A combined double retrograde and immunocytochemical study. <i>Journal of Comparative Neurology</i> , 1992, 318, 18-26.	1.6	128
9	HIV-1 Vpr Causes Neuronal Apoptosis and <i>In Vivo</i> Neurodegeneration. <i>Journal of Neuroscience</i> , 2007, 27, 3703-3711.	3.6	126
10	Measurement of rigidity in Parkinson's disease. <i>Movement Disorders</i> , 1997, 12, 24-32.	3.9	121
11	Chemically defined collateral projections from the pons to the central nucleus of the amygdala and hypothalamic paraventricular nucleus in the rat. <i>Cell and Tissue Research</i> , 1994, 277, 289-295.	2.9	109
12	Motor unit numbers and contractile properties after spinal cord injury. <i>Annals of Neurology</i> , 1990, 28, 496-502.	5.3	105
13	Proteolytic processing of SDF-1 β reveals a change in receptor specificity mediating HIV-associated neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19182-19187.	7.1	97
14	Parabrachial nucleus projection to the amygdala in the rat: Electrophysiological and anatomical observations. <i>Brain Research Bulletin</i> , 1996, 39, 115-126.	3.0	89
15	Fucoidan inhibits cellular and neurotoxic effects of β -amyloid ($A\beta$) in rat cholinergic basal forebrain neurons. <i>European Journal of Neuroscience</i> , 2005, 21, 2649-2659.	2.6	88
16	Amyloid β ($A\beta$) Peptide Directly Activates Amylin-3 Receptor Subtype by Triggering Multiple Intracellular Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2012, 287, 18820-18830.	3.4	80
17	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. <i>Journal of Neuroscience</i> , 2006, 26, 585-596.	3.6	79
18	Islet Amyloid Polypeptide (IAPP): A Second Amyloid in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2014, 11, 928-940.	1.4	76

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19	Actions of \hat{A}^2 -Amyloid Protein on Human Neurons Are Expressed through the Amylin Receptor. <i>American Journal of Pathology</i> , 2011, 178, 140-149.	3.8	73
20	Cellular Mechanisms for Amyloid \hat{A}^2 -Protein Activation of Rat Cholinergic Basal Forebrain Neurons. <i>Journal of Neurophysiology</i> , 2001, 86, 1312-1320.	1.8	69
21	Galanin attenuates \hat{A}^2 -amyloid ($A\hat{A}^2$) toxicity in rat cholinergic basal forebrain neurons. <i>Neurobiology of Disease</i> , 2006, 21, 413-420.	4.4	67
22	Hepatitis C Virus Core Protein Induces Neuroimmune Activation and Potentiates Human Immunodeficiency Virus-1 Neurotoxicity. <i>PLoS ONE</i> , 2010, 5, e12856.	2.5	66
23	Bioenergetic Mechanisms in Astrocytes May Contribute to Amyloid Plaque Deposition and Toxicity. <i>Journal of Biological Chemistry</i> , 2015, 290, 12504-12513.	3.4	63
24	Diagonal band neurons may mediate arterial baroreceptor input to hypothalamic vasopressin-secreting neurons. <i>Neuroscience Letters</i> , 1986, 65, 214-218.	2.1	62
25	Antagonist of the Amylin Receptor Blocks \hat{A} -Amyloid Toxicity in Rat Cholinergic Basal Forebrain Neurons. <i>Journal of Neuroscience</i> , 2004, 24, 5579-5584.	3.6	60
26	Beta Amyloid-Induced Depression of Hippocampal Long-Term Potentiation Is Mediated through the Amylin Receptor. <i>Journal of Neuroscience</i> , 2012, 32, 17401-17406.	3.6	58
27	Changes in blood volume and pressure induce c-fos expression in brainstem neurons that project to the paraventricular nucleus of the hypothalamus. <i>Molecular Brain Research</i> , 1995, 34, 99-108.	2.3	57
28	Novel Excitatory Actions of Galanin on Rat Cholinergic Basal Forebrain Neurons: Implications for Its Role in Alzheimer's Disease. <i>Journal of Neurophysiology</i> , 2002, 87, 696-704.	1.8	56
29	\hat{A}^2 -Amyloid Peptide Activates Non- \hat{A}^7 Nicotinic Acetylcholine Receptors in Rat Basal Forebrain Neurons. <i>Journal of Neurophysiology</i> , 2003, 90, 3130-3136.	1.8	56
30	Amyloid \hat{A}^2 Protein Modulates Glutamate-Mediated Neurotransmission in the Rat Basal Forebrain: Involvement of Presynaptic Neuronal Nicotinic Acetylcholine and Metabotropic Glutamate Receptors. <i>Journal of Neuroscience</i> , 2007, 27, 9262-9269.	3.6	54
31	Proteinase-Activated Receptor-2 Exerts Protective and Pathogenic Cell Type-Specific Effects in Alzheimer's Disease. <i>Journal of Immunology</i> , 2007, 179, 5493-5503.	0.8	53
32	Expression of c-fos Protein in Rat Brain Elicited by Electrical and Chemical Stimulation of the Hypothalamic Paraventricular Nucleus. <i>Neuroendocrinology</i> , 1994, 59, 590-602.	2.5	51
33	Neuronal receptors as targets for the action of amyloid-beta protein ($A\hat{A}^2$) in the brain. <i>Expert Reviews in Molecular Medicine</i> , 2012, 14, e2.	3.9	46
34	Influence of nucleus tractus solitarius stimulation and baroreceptor activation on rat parabrachial neurons. <i>Brain Research Bulletin</i> , 1992, 28, 565-571.	3.0	42
35	\hat{A}^2 -Amyloid protein ($A\hat{A}^2$) and human amylin regulation of apoptotic genes occurs through the amylin receptor. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 37-47.	4.9	42
36	Role of microglial amylin receptors in mediating beta amyloid ($A\hat{A}^2$)-induced inflammation. <i>Journal of Neuroinflammation</i> , 2017, 14, 199.	7.2	41

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37	Role of neuropeptide FF in central cardiovascular and neuroendocrine regulation. <i>Frontiers in Endocrinology</i> , 2013, 4, 8.	3.5	39
38	Characterization of the Parabrachial Nucleus Input to the Hypothalamic Paraventricular Nucleus in the Rat. <i>Journal of Neuroendocrinology</i> , 1992, 4, 461-471.	2.6	38
39	Parabrachial nucleus projection towards the hypothalamic supraoptic nucleus: Electrophysiological and anatomical observations in the rat. <i>Journal of Comparative Neurology</i> , 1991, 308, 42-50.	1.6	35
40	Activation of nitric oxide-synthesizing neurones during precipitated morphine withdrawal. <i>NeuroReport</i> , 1996, 7, 2843-2846.	1.2	35
41	Activation by Systemic Angiotensin II of Neurochemically Identified Neurons in Rat Hypothalamic Paraventricular Nucleus. <i>Journal of Neuroendocrinology</i> , 1998, 10, 453-459.	2.6	35
42	Characterization of the NT2-derived neuronal and astrocytic cell lines as alternative in vitro models for primary human neurons and astrocytes. <i>Journal of Neuroscience Research</i> , 2014, 92, 1187-1198.	2.9	34
43	APOE and COMT polymorphisms are complementary biomarkers of status, stability, and transitions in normal aging and early mild cognitive impairment. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 236.	3.4	32
44	Prolactin-releasing peptide effects in the rat brain are mediated through the Neuropeptide FF receptor. <i>European Journal of Neuroscience</i> , 2009, 30, 1585-1593.	2.6	31
45	$\text{A}\beta^2$ Inhibition of Ionic Conductance in Mouse Basal Forebrain Neurons Is Dependent upon the Cellular Prion Protein PrP ^C . <i>Journal of Neuroscience</i> , 2011, 31, 16292-16297.	3.6	30
46	Characterization of peptidergic efferents from the lateral parabrachial nucleus to identified neurons in the rat dorsal raphe nucleus. <i>Journal of Chemical Neuroanatomy</i> , 1992, 5, 367-373.	2.1	27
47	Neuropeptide FF and neuropeptide VF inhibit GABAergic neurotransmission in parvocellular neurons of the rat hypothalamic paraventricular nucleus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1872-R1880.	1.8	26
48	IDE (rs6583817) polymorphism and pulse pressure are independently and interactively associated with level and change in executive function in older adults.. <i>Psychology and Aging</i> , 2014, 29, 418-430.	1.6	26
49	ApoE and pulse pressure interactively influence level and change in the aging of episodic memory: Protective effects among $\text{A}\beta$ carriers.. <i>Neuropsychology</i> , 2015, 29, 388-401.	1.3	26
50	Electrical stimulation of the central nucleus of the amygdala induces fos-like immunoreactivity in the hypothalamus of the rat: a quantitative study. <i>Molecular Brain Research</i> , 1994, 22, 333-340.	2.3	25
51	Ionic Mechanisms of Action of Neurotensin in Acutely Dissociated Neurons From the Diagonal Band of Broca of the Rat. <i>Journal of Neurophysiology</i> , 1999, 81, 234-246.	1.8	25
52	Human Amylin Actions on Rat Cholinergic Basal Forebrain Neurons: Antagonism of Beta-Amyloid Effects. <i>Journal of Neurophysiology</i> , 2003, 89, 2923-2930.	1.8	25
53	$\text{A}\beta$ -Amyloid enhances intracellular calcium rises mediated by repeated activation of intracellular calcium stores and nicotinic receptors in acutely dissociated rat basal forebrain neurons. <i>Brain Cell Biology</i> , 2007, 35, 173-186.	3.2	25
54	The Prion Protein Modulates A-type K ⁺ Currents Mediated by Kv4.2 Complexes through Dipeptidyl Aminopeptidase-like Protein 6. <i>Journal of Biological Chemistry</i> , 2013, 288, 37241-37255.	3.4	25

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55	Short amylin receptor antagonist peptides improve memory deficits in Alzheimer's disease mouse model. <i>Scientific Reports</i> , 2019, 9, 10942.	3.3	25
56	Cyclic AC253, a novel amylin receptor antagonist, improves cognitive deficits in a mouse model of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 44-56.	3.7	24
57	Connectivity between brainstem autonomic structures and expression of c-fos following electrical stimulation of the central nucleus of the amygdala in rat. <i>Cell and Tissue Research</i> , 1996, 283, 367-374.	2.9	23
58	Amylin Receptor: A Common Pathophysiological Target in Alzheimer's Disease and Diabetes Mellitus. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 42.	3.4	23
59	Role of astrocytic glycolytic metabolism in Alzheimer's disease pathogenesis. <i>Biogerontology</i> , 2014, 15, 579-586.	3.9	23
60	New central projections of neuropeptide FF: collateral branching pathways in the brainstem and hypothalamus in the rat. <i>Journal of Chemical Neuroanatomy</i> , 2001, 21, 171-179.	2.1	22
61	Autonomic and neuroendocrine actions of adrenomedullin in the brain: mechanisms for homeostasis. <i>Regulatory Peptides</i> , 2003, 112, 33-40.	1.9	21
62	Vasopressin (VP) and neuropeptide FF (NPFF) systems in the normal and hypertensive human brainstem. <i>Journal of Comparative Neurology</i> , 2011, 519, 93-124.	1.6	21
63	Synergistic associations of catechol-O-methyltransferase and brain-derived neurotrophic factor with executive function in aging are selective and modified by apolipoprotein E. <i>Neurobiology of Aging</i> , 2015, 36, 249-256.	3.1	21
64	Amylin Receptor: A Potential Therapeutic Target for Alzheimer's Disease. <i>Trends in Molecular Medicine</i> , 2017, 23, 709-720.	6.7	21
65	Zinc modulation of ionic currents in the horizontal limb of the diagonal band of Broca. <i>Neuroscience</i> , 1999, 94, 785-795.	2.3	20
66	Distribution of the neuropeptide FF1 receptor (hFF1) in the human hypothalamus and surrounding basal forebrain structures: Immunohistochemical study. <i>Journal of Comparative Neurology</i> , 2004, 474, 487-503.	1.6	20
67	IDE (rs6583817) polymorphism and type 2 diabetes differentially modify executive function in older adults. <i>Neurobiology of Aging</i> , 2013, 34, 2208-2216.	3.1	20
68	GABA A receptor modulation by protein tyrosine kinase in the rat diagonal band of Broca. <i>Brain Research</i> , 1997, 775, 127-133.	2.2	19
69	Synaptic Actions of Neuropeptide FF in the Rat Parabrachial Nucleus: Interactions With Opioid Receptors. <i>Journal of Neurophysiology</i> , 2000, 84, 744-751.	1.8	19
70	Neuropeptide FF (NPFF) control of magnocellular neurosecretory cells of the rat hypothalamic paraventricular nucleus (PVN). <i>Peptides</i> , 2006, 27, 973-979.	2.4	19
71	Pramlintide Antagonizes Beta Amyloid (A β)- and Human Amylin-Induced Depression of Hippocampal Long-Term Potentiation. <i>Molecular Neurobiology</i> , 2017, 54, 748-754.	4.0	19
72	Central administration of neuropeptide FF (NPFF) causes increased neuronal activation and up-regulation of NPFF gene expression in the rat brainstem. <i>Journal of Comparative Neurology</i> , 2002, 447, 300-307.	1.6	16

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73	Neuropeptide FF2 receptor distribution in the human brain. <i>Peptides</i> , 2008, 29, 1544-1553.	2.4	15
74	Neuropeptide FF distribution in the human and rat forebrain: A comparative immunohistochemical study. <i>Journal of Comparative Neurology</i> , 2006, 496, 572-593.	1.6	14
75	Histamine induces the production of matrix metalloproteinase-9 in human astrocytic cultures via H1-receptor subtype. <i>Brain Structure and Function</i> , 2016, 221, 1845-1860.	2.3	12
76	Ionic mechanisms of action of prion protein fragment PrP(106-126) in rat basal forebrain neurons. <i>Journal of Neuroscience Research</i> , 2010, 88, 2217-2227.	2.9	11
77	The P ² and Q ² of cellular PrP-A ² interactions. <i>Prion</i> , 2012, 6, 359-363.	1.8	10
78	Chemically defined collateral projections from the pons to the central nucleus of the amygdala and hypothalamic paraventricular nucleus in the rat. <i>Cell and Tissue Research</i> , 1994, 277, 289-295.	2.9	8
79	Genetic Depletion of Amylin/Calcitonin Receptors Improves Memory and Learning in Transgenic Alzheimer's Disease Mouse Models. <i>Molecular Neurobiology</i> , 2021, 58, 5369-5382.	4.0	7
80	Cyanidin-3-O-Glucoside improves the viability of human islet cells treated with amylin or A ²¹⁻⁴² in vitro. <i>PLoS ONE</i> , 2021, 16, e0258208.	2.5	7
81	¹⁸ F-FESB: synthesis and automated radiofluorination of a novel ¹⁸ F-labeled pet tracer for ¹²⁵ I-amyloid plaques. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2005, 48, 983-996.	1.0	6
82	The hypothalamic neuropeptide <sc>FF</sc> network is impaired in hypertensive patients. <i>Brain and Behavior</i> , 2014, 4, 453-467.	2.2	5
83	Distinct morphological and electrophysiological properties of an elk prion peptide. <i>Peptides</i> , 2013, 40, 49-56.	2.4	4
84	Amylin and amylin receptors in Alzheimer's disease. , 2020, , 309-324.		1
85	Extracellular vesicles enriched with amylin receptor are cytoprotective against the A ²¹⁻⁴² toxicity in vitro. <i>PLoS ONE</i> , 2022, 17, e0267164.	2.5	1
86	Amyloid ¹²⁵ I-Peptide and Central Cholinergic Neurons: Involvement in Normal Brain Function and Alzheimer's Disease Pathology. , 2007, , 159-178.		0