

Christian J Pike

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9373021/publications.pdf>

Version: 2024-02-01

101
papers

11,459
citations

23544

58
h-index

34964

98
g-index

117
all docs

117
docs citations

117
times ranked

10933
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro aging of A β -amyloid protein causes peptide aggregation and neurotoxicity. <i>Brain Research</i> , 1991, 563, 311-314.	1.1	855
2	Structure-Activity Analyses of A β -Amyloid Peptides: Contributions of the 25-35 Region to Aggregation and Neurotoxicity. <i>Journal of Neurochemistry</i> , 1995, 64, 253-265.	2.1	641
3	Progesterone receptors: Form and function in brain. <i>Frontiers in Neuroendocrinology</i> , 2008, 29, 313-339.	2.5	531
4	Protective actions of sex steroid hormones in Alzheimer's disease. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 239-258.	2.5	424
5	Estrogen Modulates Neuronal Bcl-xl Expression and A β -Amyloid-Induced Apoptosis. <i>Journal of Neurochemistry</i> , 2001, 72, 1552-1563.	2.1	353
6	A β -amyloid deposition and other measures of neuropathology predict cognitive status in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1996, 17, 921-933.	1.5	297
7	Progesterone and Estrogen Regulate Alzheimer-Like Neuropathology in Female 3xTg-AD Mice. <i>Journal of Neuroscience</i> , 2007, 27, 13357-13365.	1.7	295
8	Thrombin Induces Apoptosis in Cultured Neurons and Astrocytes via a Pathway Requiring Tyrosine Kinase and RhoA Activities. <i>Journal of Neuroscience</i> , 1997, 17, 5316-5326.	1.7	289
9	Sex and the development of Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2017, 95, 671-680.	1.3	280
10	Aggregation-related toxicity of synthetic A β -amyloid protein in hippocampal cultures. <i>European Journal of Pharmacology</i> , 1991, 207, 367-368.	2.7	279
11	Amino-terminal Deletions Enhance Aggregation of A β -Amyloid Peptides in Vitro. <i>Journal of Biological Chemistry</i> , 1995, 270, 23895-23898.	1.6	276
12	Estrogen and exercise interact to regulate brain-derived neurotrophic factor mRNA and protein expression in the hippocampus. <i>European Journal of Neuroscience</i> , 2001, 14, 1992-2002.	1.2	271
13	Brain levels of sex steroid hormones in men and women during normal aging and in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011, 32, 604-613.	1.5	223
14	A β -Amyloid-Induced Neuronal Apoptosis Involves c-Jun N-Terminal Kinase-Dependent Downregulation of Bcl-w. <i>Journal of Neuroscience</i> , 2005, 25, 1149-1158.	1.7	209
15	Sex differences in A β -amyloid accumulation in 3xTg-AD mice: Role of neonatal sex steroid hormone exposure. <i>Brain Research</i> , 2010, 1366, 233-245.	1.1	207
16	Gender, sex steroid hormones, and Alzheimer's disease. <i>Hormones and Behavior</i> , 2013, 63, 301-307.	1.0	204
17	Rapid Communication: Ca ²⁺ Channel Blockers Attenuate A β -Amyloid Peptide Toxicity to Cortical Neurons in Culture. <i>Journal of Neurochemistry</i> , 1994, 62, 372-375.	2.1	195
18	Testosterone attenuates A β -amyloid toxicity in cultured hippocampal neurons. <i>Brain Research</i> , 2001, 919, 160-165.	1.1	194

#	ARTICLE	IF	CITATIONS
19	Age-Related Testosterone Depletion and the Development of Alzheimer Disease. JAMA - Journal of the American Medical Association, 2004, 292, 1431-1432.	3.8	185
20	Early association of reactive astrocytes with senile plaques in Alzheimer's disease. Experimental Neurology, 1995, 132, 172-179.	2.0	162
21	Androgens activate mitogen-activated protein kinase signaling: Role in neuroprotection. Journal of Neurochemistry, 2005, 94, 1639-1651.	2.1	158
22	Androgens Regulate the Development of Neuropathology in a Triple Transgenic Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2006, 26, 13384-13389.	1.7	142
23	Ultrastructural analysis of β -amyloid-induced apoptosis in cultured hippocampal neurons. Brain Research, 1994, 661, 147-156.	1.1	140
24	Alzheimer's Disease and Type 2 Diabetes: Multiple Mechanisms Contribute to Interactions. Current Diabetes Reports, 2014, 14, 476.	1.7	137
25	Norepinephrine induces BDNF and activates the PI-3K and MAPK cascades in embryonic hippocampal neurons. Cellular Signalling, 2007, 19, 114-128.	1.7	136
26	β -Amyloid induces neuritic dystrophy in vitro. NeuroReport, 1992, 3, 769-772.	0.6	132
27	Differential Induction of Immediate Early Gene Proteins in Cultured Neurons by β -Amyloid ($A\beta$): Association of c-Jun with $A\beta$ -Induced Apoptosis. Journal of Neurochemistry, 1995, 65, 1487-1498.	2.1	130
28	Alzheimer-associated presenilin-2 confers increased sensitivity to apoptosis in PC12 cells. FEBS Letters, 1996, 397, 50-54.	1.3	127
29	Ligand for Translocator Protein Reverses Pathology in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2013, 33, 8891-8897.	1.7	125
30	Androgens modulate β -amyloid levels in male rat brain. Journal of Neurochemistry, 2004, 87, 1052-1055.	2.1	123
31	β -Amyloid Neurotoxicity In Vitro: Evidence of Oxidative Stress but Not Protection by Antioxidants. Journal of Neurochemistry, 1997, 69, 1601-1611.	2.1	117
32	Androgen cell signaling pathways involved in neuroprotective actions. Hormones and Behavior, 2008, 53, 693-705.	1.0	117
33	Estrogen activates protein kinase C in neurons: role in neuroprotection. Journal of Neurochemistry, 2003, 84, 1340-1348.	2.1	114
34	Estrogen Regulates Bcl-w and Bim Expression: Role in Protection against β -Amyloid Peptide-Induced Neuronal Death. Journal of Neuroscience, 2007, 27, 1422-1433.	1.7	113
35	β -Amyloid neurotoxicity: A discussion of in vitro findings. Neurobiology of Aging, 1992, 13, 587-590.	1.5	112
36	Age-related changes in neuroactive steroid levels in 3xTg-AD mice. Neurobiology of Aging, 2013, 34, 1080-1089.	1.5	105

#	ARTICLE	IF	CITATIONS
37	Androgens modulate neuronal vulnerability to kainate lesion. <i>Neuroscience</i> , 2003, 122, 573-578.	1.1	101
38	Sex-Specific Effects of High Fat Diet on Indices of Metabolic Syndrome in 3xTg-AD Mice: Implications for Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e78554.	1.1	99
39	Testosterone regulation of Alzheimer-like neuropathology in male 3xTg-AD mice involves both estrogen and androgen pathways. <i>Brain Research</i> , 2010, 1359, 281-290.	1.1	98
40	Selective Estrogen Receptor Modulators Differentially Regulate Alzheimer-Like Changes in Female 3xTg-AD Mice. <i>Endocrinology</i> , 2008, 149, 2607-2611.	1.4	90
41	Sex hormones, aging, and Alzheimer's disease. <i>Frontiers in Bioscience - Elite</i> , 2012, 4, 976-97.	0.9	86
42	Rational pattern design for in vitro cellular networks using surface photochemistry. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 607-616.	0.9	84
43	Androgen regulation of β -amyloid protein and the risk of Alzheimer's disease. <i>Brain Research Reviews</i> , 2008, 57, 444-453.	9.1	84
44	Continuous and Cyclic Progesterone Differentially Interact with Estradiol in the Regulation of Alzheimer-Like Pathology in Female 3 \times -Transgenic-Alzheimer's Disease Mice. <i>Endocrinology</i> , 2010, 151, 2713-2722.	1.4	84
45	Sex hormones aging and Alzheimer s disease. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 976-997.	0.9	84
46	All-D-Enantiomers of β -Amyloid Exhibit Similar Biological Properties to All-L- β -Amyloids. <i>Journal of Biological Chemistry</i> , 1997, 272, 7431-7436.	1.6	82
47	β -Amyloid peptides induce degeneration of cultured rat microglia. <i>Brain Research</i> , 1993, 624, 121-125.	1.1	81
48	Menopause, obesity and inflammation: interactive risk factors for Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 130.	1.7	81
49	Interactions between inflammation, sex steroids, and Alzheimer's disease risk factors. <i>Frontiers in Neuroendocrinology</i> , 2016, 43, 60-82.	2.5	81
50	The perimenopausal aging transition in the female rat brain: decline in bioenergetic systems and synaptic plasticity. <i>Neurobiology of Aging</i> , 2015, 36, 2282-2295.	1.5	80
51	Thrombin Attenuates Neuronal Cell Death and Modulates Astrocyte Reactivity Induced by β -Amyloid In Vitro. <i>Journal of Neurochemistry</i> , 1996, 66, 1374-1382.	2.1	78
52	Androgens regulate neprilysin expression: role in reducing β -amyloid levels. <i>Journal of Neurochemistry</i> , 2008, 105, 2477-2488.	2.1	74
53	Humanin Prevents Age-Related Cognitive Decline in Mice and is Associated with Improved Cognitive Age in Humans. <i>Scientific Reports</i> , 2018, 8, 14212.	1.6	74
54	The APOE4 allele shows opposite sex bias in microbleeds and Alzheimer's disease of humans and mice. <i>Neurobiology of Aging</i> , 2016, 37, 47-57.	1.5	70

#	ARTICLE	IF	CITATIONS
55	Obesity Accelerates Alzheimer-Related Pathology in <i>APOE4</i> but not <i>APOE3</i> Mice. <i>ENeuro</i> , 2017, 4, ENEURO.0077-17.2017.	0.9	70
56	Progesterone inhibits estrogen-mediated neuroprotection against excitotoxicity by downregulating estrogen receptor. <i>Journal of Neurochemistry</i> , 2010, 115, 1277-1287.	2.1	67
57	Diet-induced obesity and low testosterone increase neuroinflammation and impair neural function. <i>Journal of Neuroinflammation</i> , 2014, 11, 162.	3.1	67
58	Obesity and sex interact in the regulation of Alzheimer's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 67, 102-118.	2.9	65
59	APOE genotype and sex affect microglial interactions with plaques in Alzheimer's disease mice. <i>Acta Neuropathologica Communications</i> , 2019, 7, 82.	2.4	64
60	Progestins inhibit the neuroprotective effects of estrogen in rat hippocampus. <i>Brain Research</i> , 2006, 1099, 206-210.	1.1	63
61	Progesterone Attenuates Oestrogen Neuroprotection Via Downregulation of Oestrogen Receptor Expression in Cultured Neurones. <i>Journal of Neuroendocrinology</i> , 2009, 21, 77-81.	1.2	61
62	Androgens, Aging, and Alzheimer's Disease. <i>Endocrine</i> , 2006, 29, 233-242.	2.2	59
63	Androgens Selectively Protect Against Apoptosis in Hippocampal Neurones. <i>Journal of Neuroendocrinology</i> , 2010, 22, 1013-1022.	1.2	59
64	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , 2017, 39, 499-550.	2.1	59
65	Exercise increases the vulnerability of rat hippocampal neurons to kainate lesion. <i>Brain Research</i> , 2003, 971, 239-244.	1.1	58
66	17 β -Estradiol and Progesterone Regulate Expression of β -Amyloid Clearance Factors in Primary Neuron Cultures and Female Rat Brain. <i>Endocrinology</i> , 2012, 153, 5467-5479.	1.4	58
67	Neuroprotective properties of selective estrogen receptor agonists in cultured neurons. <i>Brain Research</i> , 2005, 1045, 217-223.	1.1	57
68	Flutamide and Cyproterone Acetate Exert Agonist Effects: Induction of Androgen Receptor-Dependent Neuroprotection. <i>Endocrinology</i> , 2007, 148, 2936-2943.	1.4	55
69	Calretinin-immunoreactive neurons are resistant to β -amyloid toxicity in vitro. <i>Brain Research</i> , 1995, 671, 293-298.	1.1	53
70	Continuous versus Cyclic Progesterone Exposure Differentially Regulates Hippocampal Gene Expression and Functional Profiles. <i>PLoS ONE</i> , 2012, 7, e31267.	1.1	49
71	Progesterone blocks estrogen neuroprotection from kainate in middle-aged female rats. <i>Neuroscience Letters</i> , 2008, 445, 229-232.	1.0	44
72	Estrogen regulates bcl-x expression in rat hippocampus. <i>NeuroReport</i> , 2001, 12, 2797-2800.	0.6	41

#	ARTICLE	IF	CITATIONS
73	TLR4 inhibitor TAK-242 attenuates the adverse neural effects of diet-induced obesity. <i>Journal of Neuroinflammation</i> , 2018, 15, 306.	3.1	40
74	Attenuation of β -Amyloid Neurotoxicity In Vitro by Potassium-Induced Depolarization. <i>Journal of Neurochemistry</i> , 1996, 67, 1774-1777.	2.1	39
75	Caspase activation contributes to astrogliosis. <i>Brain Research</i> , 2012, 1450, 102-115.	1.1	38
76	Dihydrotestosterone activates CREB signaling in cultured hippocampal neurons. <i>Brain Research</i> , 2009, 1298, 1-12.	1.1	37
77	Evaluation of the effects of testosterone and luteinizing hormone on regulation of β -amyloid in male 3xTg-AD mice. <i>Brain Research</i> , 2012, 1466, 137-145.	1.1	37
78	Age-related changes in serum and brain levels of androgens in male Brown Norway rats. <i>NeuroReport</i> , 2009, 20, 1534-1537.	0.6	34
79	TSPO ligand PK11195 improves Alzheimer-related outcomes in aged female 3xTg-AD mice. <i>Neuroscience Letters</i> , 2018, 683, 7-12.	1.0	28
80	Conventional protein kinase C isoforms mediate neuroprotection induced by phorbol ester and estrogen. <i>Journal of Neurochemistry</i> , 2006, 96, 204-217.	2.1	27
81	Age-dependent regulation of obesity and Alzheimer-related outcomes by hormone therapy in female 3xTg-AD mice. <i>PLoS ONE</i> , 2017, 12, e0178490.	1.1	26
82	Selective Androgen Receptor Modulator RAD140 Is Neuroprotective in Cultured Neurons and Kainate-Lesioned Male Rats. <i>Endocrinology</i> , 2014, 155, 1398-1406.	1.4	24
83	<i>APOE</i> genotype affects metabolic and Alzheimer-related outcomes induced by Western diet in female EFAD mice. <i>FASEB Journal</i> , 2019, 33, 4054-4066.	0.2	22
84	The Influence of the Carboxyl Terminus of the Alzheimer $A\beta$ Peptide on its Conformation, Aggregation, and Neurotoxic Properties. <i>NeuroMolecular Medicine</i> , 2002, 1, 81-94.	1.8	19
85	β -Amyloid Increases Enzyme Activity and Protein Levels of Glutamine Synthetase in Cultured Astrocytes. <i>Experimental Neurology</i> , 1996, 139, 167-171.	2.0	17
86	The synthetic estrogen 4-estren-3 β ,17 β -diol (estren) induces estrogen-like neuroprotection. <i>Neurobiology of Disease</i> , 2005, 19, 331-339.	2.1	16
87	Differential effects of synthetic progestagens on neuron survival and estrogen neuroprotection in cultured neurons. <i>Molecular and Cellular Endocrinology</i> , 2014, 384, 52-60.	1.6	15
88	Effects of aging, high-fat diet, and testosterone treatment on neural and metabolic outcomes in male brown Norway rats. <i>Neurobiology of Aging</i> , 2019, 73, 145-160.	1.5	15
89	Aging Reduces Estradiol Protection Against Neural but Not Metabolic Effects of Obesity in Female 3xTg-AD Mice. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 113.	1.7	15
90	Second to fourth digit ratio (2D:4D) is associated with dementia in women. <i>Early Human Development</i> , 2020, 149, 105152.	0.8	9

#	ARTICLE	IF	CITATIONS
91	Microglial transcription profiles in mouse and human are driven by APOE4 and sex. <i>IScience</i> , 2021, 24, 103238.	1.9	9
92	Dementia risk in women higher in same-sex than opposite-sex twins. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12049.	1.2	8
93	Androgens Regulate Tau Phosphorylation Through Phosphatidylinositol 3-Kinase-Protein Kinase B-Glycogen Synthase Kinase 3 ^β Signaling. <i>Neuroscience</i> , 2022, , .	1.1	7
94	Staining and Quantification of β -Amyloid Pathology in Transgenic Mouse Models of Alzheimer's Disease. <i>Methods in Molecular Biology</i> , 2020, 2144, 211-221.	0.4	5
95	Deconvolution of the confounding variations for reverse transcription quantitative real-time polymerase chain reaction by separate analysis of biological replicate data. <i>Analytical Biochemistry</i> , 2012, 427, 21-25.	1.1	4
96	Author's response to commentaries. <i>Neurobiology of Aging</i> , 1996, 17, 945-947.	1.5	3
97	Impact of Continuous Versus Discontinuous Progesterone on Estradiol Regulation of Neuron Viability and Sprouting After Entorhinal Cortex Lesion in Female Rats. <i>Endocrinology</i> , 2015, 156, 1091-1099.	1.4	3
98	Apoptosis in Alzheimer's Disease. <i>Advances in Behavioral Biology</i> , 1998, , 45-51.	0.2	2
99	Testosterone regulates Alzheimer's disease pathogenesis. , 2009, , 242-250.		1
100	P3-406: THE ROLE OF STEROID BIOSYNTHESIS IN THE PROTECTIVE ACTIONS OF LIGANDS FOR THE TRANSLOCATOR PROTEIN (TSPO). , 2014, 10, P779-P779.		0
101	P1021: TRANSCRIPTOMIC PROFILING OF MICROGLIA FROM AN ALZHEIMER'S DISEASE MOUSE MODEL AND FROM HUMAN INDUCED PLURIPOTENT STEM CELLS REVEALS EFFECTS OF THE APOE4 GENOTYPE. <i>Alzheimer's and Dementia</i> , 2019, 15, .	0.4	0