

Chi Bun Chan

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,616
citations

236925

25
h-index

189892

50
g-index

60
all docs

60
docs citations

60
times ranked

4031
citing authors

#	ARTICLE	IF	CITATIONS
1	Src homology 3 domain binding kinase 1 protects against hepatic steatosis and insulin resistance through the Nur77-FGF21 pathway. <i>Hepatology</i> , 2023, 77, 213-229.	7.3	10
2	Muscle-generated BDNF (brain derived neurotrophic factor) maintains mitochondrial quality control in female mice. <i>Autophagy</i> , 2022, 18, 1367-1384.	9.1	32
3	Rab13 Sustains Breast Cancer Stem Cells by Supporting Tumor-Stroma Cross-talk. <i>Cancer Research</i> , 2022, 82, 2124-2140.	0.9	8
4	Is Brain-Derived Neurotrophic Factor a Metabolic Hormone in Peripheral Tissues?. <i>Biology</i> , 2022, 11, 1063.	2.8	7
5	Mitochondria Homeostasis and Oxidant/Antioxidant Balance in Skeletal Muscle—Do Myokines Play a Role?. <i>Antioxidants</i> , 2021, 10, 179.	5.1	15
6	Effects of fasting on the expression pattern of FGFs in different skeletal muscle fibre types and sexes in mice. <i>Biology of Sex Differences</i> , 2020, 11, 9.	4.1	12
7	Signal Transduction for TNF-Induced Type II SOCS Expression and Its Functional Implication in Growth Hormone Resistance in Carp Hepatocytes. <i>Frontiers in Endocrinology</i> , 2020, 11, 20.	3.5	4
8	Site-directed MT1-MMP trafficking and surface insertion regulate AChR clustering and remodeling at developing NMJs. <i>ELife</i> , 2020, 9, .	6.0	24
9	Muscle-generated BDNF is a sexually dimorphic myokine that controls metabolic flexibility. <i>Science Signaling</i> , 2019, 12, .	3.6	50
10	Podosome-directed MT1-MMP trafficking and surface insertion regulate AChR clustering & remodeling. <i>IBRO Reports</i> , 2019, 6, S544.	0.3	0
11	Effect of skeletal muscle phenotype and gender on fasting-induced myokine expression in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 407-414.	2.1	11
12	Cellular energy stress induces AMPK-mediated regulation of glioblastoma cell proliferation by PIKE-A phosphorylation. <i>Cell Death and Disease</i> , 2019, 10, 222.	6.3	19
13	Mechanisms for Temperature Modulation of Feeding in Goldfish and Implications on Seasonal Changes in Feeding Behavior and Food Intake. <i>Frontiers in Endocrinology</i> , 2019, 10, 133.	3.5	16
14	Developing Insulin and BDNF Mimetics for Diabetes Therapy. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 2188-2204.	2.1	14
15	BDNF mimetic alleviates body weight gain in obese mice by enhancing mitochondrial biogenesis in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2018, 87, 113-122.	3.4	44
16	Interaction of CREB and PGC-1 Induces Fibronectin Type III Domain-Containing Protein 5 Expression in C2C12 Myotubes. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1574-1584.	1.6	23
17	Tumor Necrosis Factor Promotes Phosphoinositide 3-Kinase Enhancer A and AMP-Activated Protein Kinase Interaction to Suppress Lipid Oxidation in Skeletal Muscle. <i>Diabetes</i> , 2017, 66, 1858-1870.	0.6	26
18	Sex differences in brain-derived neurotrophic factor signaling and functions. <i>Journal of Neuroscience Research</i> , 2017, 95, 328-335.	2.9	130

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19	The C-ETS2-TFEB Axis Promotes Neuron Survival under Oxidative Stress by Regulating Lysosome Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-16.	4.0	19
20	Phosphorylation of MITF by AKT affects its downstream targets and causes TP53-dependent cell senescence. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 80, 132-142.	2.8	30
21	7,8-dihydroxyflavone, a small molecular TrkB agonist, is useful for treating various BDNF-implicated human disorders. <i>Translational Neurodegeneration</i> , 2016, 5, 2.	8.0	129
22	Fyn-phosphorylated PIKE-A binds and inhibits AMPK signaling, blocking its tumor suppressive activity. <i>Cell Death and Differentiation</i> , 2016, 23, 52-63.	11.2	27
23	Increased Expression of the PI3K Enhancer PIKE Mediates Deficits in Synaptic Plasticity and Behavior in Fragile X Syndrome. <i>Cell Reports</i> , 2015, 11, 727-736.	6.4	97
24	Activation of Muscular TrkB by its Small Molecular Agonist 7,8-Dihydroxyflavone Sex-Dependently Regulates Energy Metabolism in Diet-Induced Obese Mice. <i>Chemistry and Biology</i> , 2015, 22, 355-368.	6.0	62
25	7,8-Dihydroxyflavone Prevents Synaptic Loss and Memory Deficits in a Mouse Model of Alzheimer's Disease. <i>Neuropsychopharmacology</i> , 2014, 39, 638-650.	5.4	198
26	Identification of a Small Molecular Insulin Receptor Agonist With Potent Antidiabetes Activity. <i>Diabetes</i> , 2014, 63, 1394-1409.	0.6	45
27	Biochemical and Biophysical Investigation of the Brain-derived Neurotrophic Factor Mimetic 7,8-Dihydroxyflavone in the Binding and Activation of the TrkB Receptor. <i>Journal of Biological Chemistry</i> , 2014, 289, 27571-27584.	3.4	88
28	PIKE is essential for oligodendroglia development and CNS myelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1993-1998.	7.1	13
29	Serine-arginine protein kinases: new players in neurodegenerative diseases?. <i>Reviews in the Neurosciences</i> , 2013, 24, 401-13.	2.9	14
30	Blockade of Glioma Proliferation Through Allosteric Inhibition of JAK2. <i>Science Signaling</i> , 2013, 6, ra55.	3.6	23
31	Fyn Regulates Adipogenesis by Promoting PIKE-A/STAT5a Interaction. <i>Molecular and Cellular Biology</i> , 2013, 33, 1797-1808.	2.3	17
32	Phosphoinositide 3-kinase enhancer (PIKE) in the brain: is it simply a phosphoinositide 3-kinase/Akt enhancer?. <i>Reviews in the Neurosciences</i> , 2012, 23, 153-61.	2.9	8
33	Acridine Yellow G Blocks Glioblastoma Growth via Dual Inhibition of Epidermal Growth Factor Receptor and Protein Kinase C Kinases. <i>Journal of Biological Chemistry</i> , 2012, 287, 6113-6127.	3.4	11
34	Identification of a molecular activator for insulin receptor with potent anti-diabetic effects.. <i>Journal of Biological Chemistry</i> , 2012, 287, 13050.	3.4	1
35	SRPK2 Phosphorylates Tau and Mediates the Cognitive Defects in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2012, 32, 17262-17272.	3.6	53
36	Optimization of a Small Tropomyosin-Related Kinase B (TrkB) Agonist 7,8-Dihydroxyflavone Active in Mouse Models of Depression. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8524-8537.	6.4	54

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37	Essential role of PIKE GTPases in neuronal protection against excitotoxic insults. <i>Advances in Biological Regulation</i> , 2012, 52, 66-76.	2.3	11
38	PIKE-mediated PI3-kinase activity is required for AMPA receptor surface expression. <i>EMBO Journal</i> , 2011, 30, 4274-4286.	7.8	21
39	The association of phosphoinositide 3-kinase enhancer A with hepatic insulin receptor enhances its kinase activity. <i>EMBO Reports</i> , 2011, 12, 847-854.	4.5	11
40	Identification of a Molecular Activator for Insulin Receptor with Potent Anti-diabetic Effects. <i>Journal of Biological Chemistry</i> , 2011, 286, 37379-37388.	3.4	30
41	Phosphoinositide 3-Kinase Enhancer Regulates Neuronal Dendritogenesis and Survival in Neocortex. <i>Journal of Neuroscience</i> , 2011, 31, 8083-8092.	3.6	50
42	What we have learnt about PIKE from the knockout mice. <i>International Journal of Biochemistry and Molecular Biology</i> , 2011, 2, 228-39.	0.1	0
43	PIKE-A is required for prolactin-mediated STAT5a activation in mammary gland development. <i>EMBO Journal</i> , 2010, 29, 956-968.	7.8	31
44	Deoxygedunin, a Natural Product with Potent Neurotrophic Activity in Mice. <i>PLoS ONE</i> , 2010, 5, e11528.	2.5	87
45	Multiple Functions of Phosphoinositide-3 Kinase Enhancer (PIKE). <i>Scientific World Journal</i> , The, 2010, 10, 613-623.	2.1	8
46	Deficiency of Phosphoinositide 3-Kinase Enhancer Protects Mice From Diet-Induced Obesity and Insulin Resistance. <i>Diabetes</i> , 2010, 59, 883-893.	0.6	24
47	Excess Phosphoinositide 3-Kinase Subunit Synthesis and Activity as a Novel Therapeutic Target in Fragile X Syndrome. <i>Journal of Neuroscience</i> , 2010, 30, 10624-10638.	3.6	219
48	A Synthetic 7,8-Dihydroxyflavone Derivative Promotes Neurogenesis and Exhibits Potent Antidepressant Effect. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8274-8286.	6.4	182
49	Mice lacking asparaginyl endopeptidase develop disorders resembling hemophagocytic syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 468-473.	7.1	67
50	NGF inhibits human leukemia proliferation by downregulating cyclin A1 expression through promoting acinus/CtBP2 association. <i>Oncogene</i> , 2009, 28, 3825-3836.	5.9	24
51	Amitriptyline is a TrkA and TrkB Receptor Agonist that Promotes TrkA/TrkB Heterodimerization and Has Potent Neurotrophic Activity. <i>Chemistry and Biology</i> , 2009, 16, 644-656.	6.0	117
52	The constitutive activity of the ghrelin receptor attenuates apoptosis via a protein kinase C-dependent pathway. <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 232-239.	3.2	22
53	Establishment of a transgenic yeast screening system for estrogenicity and identification of the anti-estrogenic activity of malachite green. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 1399-1409.	2.6	16
54	Netrin-1 mediates neuronal survival through PIKE-L interaction with the dependence receptor UNC5B. <i>Nature Cell Biology</i> , 2008, 10, 698-706.	10.3	94

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55	The presence of two distinct prolactin receptors in seabream with different tissue distribution patterns, signal transduction pathways and regulation of gene expression by steroid hormones. <i>Journal of Endocrinology</i> , 2007, 194, 373-392.	2.6	32
56	PIKE GTPase are phosphoinositide-3-kinase enhancers, suppressing programmed cell death. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 39-53.	3.6	19
57	The co-existence of two growth hormone receptors in teleost fish and their differential signal transduction, tissue distribution and hormonal regulation of expression in seabream. <i>Journal of Molecular Endocrinology</i> , 2006, 36, 23-40.	2.5	151
58	Stimulation of growth hormone secretion from seabream pituitary cells in primary culture by growth hormone secretagogues is independent of growth hormone transcription. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004, 139, 77-85.	2.6	8
59	Molecular cloning and expression studies of a prolactin receptor in goldfish (<i>Carassius auratus</i>). <i>Life Sciences</i> , 2000, 66, 593-605.	4.3	58