Sun-On Chan

List of Publications by Year
in descending order

73 papers	1,590 citations	236925 25 h-index	377865 34 g-index
73 all docs	73 docs citations	73 times ranked	2019 citing authors

#	Article	IF	Citations
1	LncRNA-NEF antagonized epithelial to mesenchymal transition and cancer metastasis via cis-regulating FOXA2 and inactivating Wnt/Î²-catenin signaling. Oncogene, 2018, 37, 1445-1456.	5.9	115
2	Inhibition of caspase-3-like activity reduces glutamate induced cell death in adult rat retina11Published on the World Wide Web on 9 May 2001.. Brain Research, 2001, 904, 177-188.	2.2	57
3	Changes in fiber order in the optic nerve and tract of rat embryos. Journal of Comparative Neurology, 1994, 344, 20-32.	1.6	55
4	Expression of chondroitin sulfate proteoglycans in the chiasm of mouse embryos. , 2000, 417, 153-163.		53
5	Dhrs3 Protein Attenuates Retinoic Acid Signaling and Is Required for Early Embryonic Patterning. Journal of Biological Chemistry, 2013, 288, 31477-31487.	3.4	52
6	Green tea catechins are potent anti-oxidants that ameliorate sodium iodate-induced retinal degeneration in rats. Scientific Reports, 2016, 6, 29546.	3.3	49
7	Perturbation of CD44 function affects chiasmatic routing of retinal axons in brain slice preparations of the mouse retinofugal pathway. European Journal of Neuroscience, 2003, 17, 2299-2312.	2.6	46
8	Effects of EGCG content in green tea extract on pharmacokinetics, oxidative status and expression of inflammatory and apoptotic genes in the rat ocular tissues. Journal of Nutritional Biochemistry, 2015, 26, 1357-1367.	4.2	45
9	Assessing Sodium Iodateâ€“Induced Outer Retinal Changes in Rats Using Confocal Scanning Laser Ophthalmoscopy and Optical Coherence Tomography. , 2014, 55, 1696.		43
10	N-methyl- D -aspartate-induced excitotoxicity in adult rat retina is antagonized by single systemic injection of MK-801. Experimental Brain Research, 2001, 138, 37-45.	1.5	39
11	Multiple Conformations of the FliG C-Terminal Domain Provide Insight into Flagellar Motor Switching. Structure, 2012, 20, 315-325.	3.3	38
12	Antagonist of GH-releasing hormone receptors alleviates experimental ocular inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18303-18308.	7.1	38
13	The Proto-oncogene Transcription Factor Ets1 Regulates Neural Crest Development through Histone Deacetylase 1 to Mediate Output of Bone Morphogenetic Protein Signaling. Journal of Biological Chemistry, 2015, 290, 21925-21938.	3.4	38
14	Green tea extract attenuates LPS-induced retinal inflammation in rats. Scientific Reports, 2018, 8, 429.	3.3	37
15	Differential action of the albino mutation on two components of the rat's uncrossed retinofugal pathway. Journal of Comparative Neurology, 1993, 336, 362-377.	1.6	36
16	The effects of early prenatal monocular enucleation on the routing of uncrossed retinofugal axons and the cellular environment at the chiasm of mouse embryos. European Journal of Neuroscience, 1999, 11, 3225-3235.	2.6	34
17	Green Tea Extract Treatment Alleviates Ocular Inflammation in a Rat Model of Endotoxin-Induced Uveitis. PLoS ONE, 2014, 9, e103995.	2.5	34
18	Dyslexia-Associated Kiaa0319-Like Protein Interacts with Axon Guidance Receptor Nogo Receptor 1. Cellular and Molecular Neurobiology, 2011, 31, 27-35.	3.3	33

#	Article	IF	Citations
19	Pro-oxidative and Antioxidative Controls and Signaling Modification of Polyphenolic Phytochemicals: Contribution to Health Promotion and Disease Prevention?. Journal of Agricultural and Food Chemistry, 2014, 62, 4026-4038.	5.2	31
20	Introducing Final-Year Medical Students to Pocket-Sized Ultrasound Imaging: Teaching Transthoracic Echocardiography on a 2-Week Anesthesia Rotation. Teaching and Learning in Medicine, 2015, 27, 307-313.	2.1	31
21	Continuous exposure to non-lethal doses of sodium iodate induces retinal pigment epithelial cell dysfunction. Scientific Reports, 2016, 6, 37279.	3.3	31
22	Antagonists of growth hormone-releasing hormone receptor induce apoptosis specifically in retinoblastoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14396-14401.	7.1	30
23	Changes in axon arrangement in the retinofungal pathway of mouse embryos: Confocal microscopy study using single- and double-dye label. , 1999, 406, 251-262.		29
24	Enzymatic removal of chondroitin sulphates abolishes the ageâ€related axon order in the optic tract of mouse embryos. European Journal of Neuroscience, 2003, 17, 1755-1767.	2.6	28
25	Changes in morphology and behaviour of retinal growth cones before and after crossing the midline of the mouse chiasm - a confocal microscopy study. European Journal of Neuroscience, 1998, 10, 2511-2522.	2.6	26
26	Heparan sulfate proteoglycan expression in the optic chiasm of mouse embryos. Journal of Comparative Neurology, 2001, 436, 236-247.	1.6	26
27	The growthâ€inhibitory protein Nogo is involved in midline routing of axons in the mouse optic chiasm. Journal of Neuroscience Research, 2008, 86, 2581-2590.	2.9	26
28	Signaling mechanisms of growth hormone-releasing hormone receptor in LPS-induced acute ocular inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6067-6074.	7.1	26
29	Localization of Nogo and its receptor in the optic pathway of mouse embryos. Journal of Neuroscience Research, 2008, 86, 1721-1733.	2.9	25
30	Postnatal development of the ipsilaterally projecting retinal ganglion cells in normal rats and rats with neonatal lesions. Developmental Brain Research, 1989, 49, 265-274.	1.7	24
31	Enlargement of uncrossed retinal projections in the albino rat: additive effects of neonatal eye removal and thalamectomy. Brain Research, 1988, 461, 163-168.	2.2	23
32	Regionally specific expression of L1 and sialylated NCAM in the retinofugal pathway of mouse embryos. Journal of Comparative Neurology, 2004, 471, 482-498.	1.6	22
33	Developmental expression of Xenopus short-chain dehydrogenase/reductase 3. International Journal of Developmental Biology, 2010, 54, 1355-1360.	0.6	21
34	Expression of phosphacan and neurocan during early development of mouse retinofugal pathway. Developmental Brain Research, 2004, 152, 1-10.	1.7	19
35	Brutonâ€™s tyrosine kinase potentiates ALK signaling and serves as a potential therapeutic target of neuroblastoma. Oncogene, 2018, 37, 6180-6194.	5.9	17
36	Growth hormone-releasing hormone receptor mediates cytokine production in ciliary and iris epithelial cells during LPS-induced ocular inflammation. Experimental Eye Research, 2019, 181, 277-284.	2.6	17

#	Article	IF	Citations
37	Characterization of three synuclein genes in Xenopus laevis. Developmental Dynamics, 2011, 240, 2028-2033.	1.8	15
38	Metabolomics of Green-Tea Catechins on Vascular-Endothelial-Growth-Factor-Stimulated Human-Endothelial-Cell Survival. Journal of Agricultural and Food Chemistry, 2018, 66, 12866-12875.	5.2	15
39	Association of glycated hemoglobin with the risk of advanced fibrosis in non-alcoholic fatty liver disease patients without diabetes. Clinics and Research in Hepatology and Gastroenterology, 2019, 43, 58-66.	1.5	15
40	Enzymatic removal of hyaluronan affects routing of axons in the mouse optic chiasm. NeuroReport, 2007, 18, 1533-1538.	1.2	14
41	Localization of an axon growth inhibitory molecule Nogo and its receptor in the spinal cord of mouse embryos. Brain Research, 2010, 1306, 8-17.	2.2	14
42	Understanding family involvement in body donation in Hong Kong: A qualitative study of registered donors and bereaved family members. Health and Social Care in the Community, 2020, 28, 270-278.	1.6	14
43	Chiasmatic neurons in the ventral diencephalon of mouse embryosâ€"Changes in arrangement and heterogeneity in surface antigen expression. Developmental Brain Research, 2005, 158, 1-12.	1.7	13
44	Effects of exogenous hyaluronan on midline crossing and axon divergence in the optic chiasm of mouse embryos. European Journal of Neuroscience, 2007, 26, 1-11.	2.6	13
45	Green tea catechins alleviate autoimmune symptoms and visual impairment in a murine model for human chronic intraocular inflammation by inhibiting Th17-associated pro-inflammatory gene expression. Scientific Reports, 2019, 9, 2301.	3.3	13
46	Changes in expression of fibroblast growth factor receptors during development of the mouse retinofugal pathway. Journal of Comparative Neurology, 2002, 451, 22-32.	1.6	12
47	Selective inhibition of ventral temporal but not dorsal nasal neurites from mouse retinal explants during contact with chondroitin sulphate. Cell and Tissue Research, 2005, 321, 9-19.	2.9	12
48	Disruption of retinal pigment epithelial cell properties under the exposure of cotinine. Scientific Reports, 2017, 7, 3139.	3.3	11
49	Nogoâ€A promotes inflammatory heat hyperalgesia by maintaining TRPVâ€1 function in the rat dorsal root ganglion neuron. FASEB Journal, 2019, 33, 668-682.	0.5	11
50	Differential responses of temporal and nasal retinal neurites to regional-specific cues in the mouse retinofugal pathway. Cell and Tissue Research, 2002, 309, 201-208.	2.9	10
51	Localization of hyaluronan in the optic pathway of mouse embryos. NeuroReport, 2007, 18, 355-358.	1.2	10
52	Isoformâ€specific localization of Nogo protein in the optic pathway of mouse embryos. Journal of Comparative Neurology, 2016, 524, 2322-2334.	1.6	10
53	Quantitative Characterization of Autoimmune Uveoretinitis in an Experimental Mouse Model. , 2017, 58, 4193.		10
54	Distribution of Kiaa0319-like immunoreactivity in the adult mouse brain--a novel protein encoded by the putative dyslexia susceptibility gene KIAA0319-like. Histology and Histopathology, 2011, 26, 953-63.	0.7	10

#	Article	IF	Citations
55	Induction of Apoptosis in Pterygium Cells by Antagonists of Growth Hormoneâ€“Releasing Hormone Receptors. , 2018, 59, 5060.		9
56	Nogoâ€B is the major form of Nogo at the floor plate and likely mediates crossing of commissural axons in the mouse spinal cord. Journal of Comparative Neurology, 2017, 525, 2915-2928.	1.6	8
57	Increased Expression of Growth Hormoneâ€“Releasing Hormone in Fibrinous Inflammation of Proliferative Diabetic Retinopathy. American Journal of Ophthalmology, 2020, 215, 81-90.	3.3	8
58	Dopamine signaling regulates the projection patterns in the mouse chiasm. Brain Research, 2015, 1625, 324-336.	2.2	6
59	Identification of a new functional domain of Nogoâ€A that promotes inflammatory pain and inhibits neurite growth through binding to NgR1. FASEB Journal, 2020, 34, 10948-10965.	0.5	6
60	Agonist of growth hormoneâ€“releasing hormone enhances retinal ganglion cell protection induced by macrophages after optic nerve injury. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
61	Role of protein kinase C in selective inhibition of mouse retinal neurites during contacts with chondroitin sulfates. Neuroscience Letters, 2008, 434, 150-154.	2.1	5
62	Ruxolitinib Alleviates Uveitis Caused by Salmonella typhimurium Endotoxin. Microorganisms, 2021, 9, 1481.	3.6	5
63	Localization of protein kinase C isoforms in the optic pathway of mouse embryos and their role in axon routing at the optic chiasm. Brain Research, 2014, 1575, 22-32.	2.2	4
64	Neuronal Nogoâ€A in Newâ€born Retinal Ganglion Cells: Implication for the Formation of the Ageâ€related Fiber Order in the Optic Tract. Anatomical Record, 2016, 299, 1027-1036.	1.4	4
65	Disruption of Sonic Hedgehog Signaling Affects Axon Routing in the Mouse Optic Chiasm. Neuroembryology and Aging, 2006, 4, 76-84.	0.1	3
66	The spatiotemporal relationships between chondroitin sulfate proteoglycans and terminations of calcitonin gene related peptide and parvalbumin immunoreactive afferents in the spinal cord of mouse embryos. Neuroscience Letters, 2017, 655, 61-67.	2.1	3
67	rad21 Is Involved in Corneal Stroma Development by Regulating Neural Crest Migration. International Journal of Molecular Sciences, 2020, 21, 7807.	4.1	3
68	Communication with family concerning body donation in Hong Kong: what do we know?. Health and Social Care in the Community, 2020, 28, 1817-1826.	1.6	2
69	ELEVATED LEVEL OF URIC ACID, BUT NOT GLUCOSE, IN AQUEOUS HUMOR AS A RISK FACTOR FOR DIABETIC MACULAR EDEMA IN PATIENTS WITH TYPE 2 DIABETES. Retina, 2022, 42, 1121-1129.	1.7	2
70	Factors affecting neurite outgrowth of occipital cortical explants. Cell Biology International Reports, 1990, 14, 143-153.	0.6	0
71	Dynamic expression of p75NTR and Lingo-1 during development of mouse retinofugal pathway. Neuroscience Letters, 2018, 686, 106-111.	2.1	0
72	Analysis of axon divergence at the optic chiasm in nogo-a knockout mice. Neuroscience Letters, 2020, 731, 135109.	2.1	0

#	Article	IF	Citations
73	Nogo-A Induced Polymerization of Microtubule Is Involved in the Inflammatory Heat Hyperalgesia in Rat Dorsal Root Ganglion Neurons. International Journal of Molecular Sciences, 2021, 22, 10360.	4.1	0