

Cary Lai

List of Publications by Year in descending order

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46
papers

7,561
citations

159585

30
h-index

233421

45
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47
all docs

47
docs citations

47
times ranked

7645
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuregulin signaling mediates the acute and sustained antidepressant effects of subanesthetic ketamine. <i>Translational Psychiatry</i> , 2021, 11, 144.	4.8	18
2	Developmental Disruption of ErbB4 in Pet1+ Neurons Impairs Serotonergic Sub-System Connectivity and Memory Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 770458.	3.7	1
3	Neuregulin and ErbB expression is regulated by development and sensory experience in mouse visual cortex. <i>Journal of Comparative Neurology</i> , 2020, 528, 419-432.	1.6	11
4	Subanesthetic Ketamine Reactivates Adult Cortical Plasticity to Restore Vision from Amblyopia. <i>Current Biology</i> , 2020, 30, 3591-3603.e8.	3.9	38
5	Neuregulins 1, 2, and 3 Promote Early Neurite Outgrowth in ErbB4-Expressing Cortical GABAergic Interneurons. <i>Molecular Neurobiology</i> , 2020, 57, 3568-3588.	4.0	7
6	Developmental expression of Neuregulin-3 in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 2019, 527, 797-817.	1.6	8
7	Neuregulin-1/ErbB4 Signaling Regulates Visual Cortical Plasticity. <i>Neuron</i> , 2016, 92, 160-173.	8.1	91
8	Interneuronal DISC1 regulates NRG1-ErbB4 signalling and excitatory-inhibitory synapse formation in the mature cortex. <i>Nature Communications</i> , 2015, 6, 10118.	12.8	62
9	Cross-generational impact of a male murine pheromone 2-sec-butyl-4,5-dihydrothiazole in female mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151074.	2.6	8
10	ErbB4 regulation of a thalamic reticular nucleus circuit for sensory selection. <i>Nature Neuroscience</i> , 2015, 18, 104-111.	14.8	101
11	Pheromone-induced cell proliferation in the murine subventricular zone. <i>Biochemical Society Transactions</i> , 2014, 42, 882-885.	3.4	8
12	Stimulation of cell proliferation in the subventricular zone by synthetic murine pheromones. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 101.	2.0	22
13	Cross-Phosphorylation, Signaling and Proliferative Functions of the Tyro3 and Axl Receptors in Rat2 Cells. <i>PLoS ONE</i> , 2012, 7, e36800.	2.5	41
14	Neuregulin 1 regulates pyramidal neuron activity via ErbB4 in parvalbumin-positive interneurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1211-1216.	7.1	281
15	ErbB4 in parvalbumin-positive interneurons is critical for neuregulin 1 regulation of long-term potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21818-21823.	7.1	221
16	Deficient NRG1-ERBB signaling alters social approach: relevance to genetic mouse models of schizophrenia. <i>Journal of Neurodevelopmental Disorders</i> , 2009, 1, 302-312.	3.1	32
17	Neuregulin-1/ErbB Signaling Serves Distinct Functions in Myelination of the Peripheral and Central Nervous System. <i>Neuron</i> , 2008, 59, 581-595.	8.1	321
18	Neuregulin-1 Enhances Depolarization-Induced GABA Release. <i>Neuron</i> , 2007, 54, 599-610.	8.1	279

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19	Neuronal migration in the adult brain: are we there yet?. <i>Nature Reviews Neuroscience</i> , 2007, 8, 141-151.	10.2	165
20	Schwann cell-derived neuregulin-2 \pm can function as a cell-attached activator of muscle acetylcholine receptor expression. <i>Glia</i> , 2006, 54, 630-637.	4.9	10
21	The role of neuregulin-ErbB4 interactions on the proliferation and organization of cells in the subventricular zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1930-1935.	7.1	158
22	Peripheral Glia: Schwann Cells in Motion. <i>Current Biology</i> , 2005, 15, R332-R334.	3.9	25
23	Dilated cardiomyopathy in Erb-b4-deficient ventricular muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1153-H1160.	3.2	115
24	Receptor tyrosine kinase ErbB4 modulates neuroblast migration and placement in the adult forebrain. <i>Nature Neuroscience</i> , 2004, 7, 1319-1328.	14.8	233
25	Axonal Neuregulin-1 Regulates Myelin Sheath Thickness. <i>Science</i> , 2004, 304, 700-703.	12.6	821
26	Short- and Long-Range Attraction of Cortical GABAergic Interneurons by Neuregulin-1. <i>Neuron</i> , 2004, 44, 251-261.	8.1	383
27	Neuregulin-2 is synthesized by motor neurons and terminal Schwann cells and activates acetylcholine receptor transcription in muscle cells expressing ErbB4. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 271-281.	2.2	40
28	Neural Development of the Neuregulin Receptor ErbB4 in the Cerebral Cortex and the Hippocampus: Preferential Expression by Interneurons Tangentially Migrating from the Ganglionic Eminences. <i>Cerebral Cortex</i> , 2003, 13, 252-264.	2.9	194
29	An Evolutionarily Conserved Transmembrane Protein That Is a Novel Downstream Target of Neurotrophin and Ephrin Receptors. <i>Journal of Neuroscience</i> , 2001, 21, 176-185.	3.6	154
30	The peroxisome proliferator-activated receptor γ 3 is an inhibitor of ErbBs activity in human breast cancer cells. <i>Journal of Cell Science</i> , 2001, 114, 4117-4126.	2.0	44
31	Role of neuregulins in glial cell development. , 2000, 29, 104-111.		158
32	Expression of the receptor protein-tyrosine kinases Tyro-3, Axl, and Mer in the developing rat central nervous system. <i>Journal of Comparative Neurology</i> , 2000, 425, 295-314.	1.6	102
33	Ligand Discrimination in Signaling through an ErbB4 Receptor Homodimer. <i>Journal of Biological Chemistry</i> , 2000, 275, 19803-19807.	3.4	104
34	Rat oligodendroglia express c-met and focal adhesion kinase, protein tyrosine kinases implicated in regulating epithelial cell motility. <i>Neuroscience Letters</i> , 2000, 279, 5-8.	2.1	26
35	Expression of the receptor protein-tyrosine kinases Tyro-3, Axl, and Mer in the developing rat central nervous system. <i>Journal of Comparative Neurology</i> , 2000, 425, 295-314.	1.6	1
36	Tyro-3 family receptors are essential regulators of mammalian spermatogenesis. <i>Nature</i> , 1999, 398, 723-728.	27.8	458

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37	Gas6, a ligand for the receptor protein-tyrosine kinase Tyro-3, is widely expressed in the central nervous system1Published on the World Wide Web on 2 December 1998.1. Brain Research, 1999, 816, 646-661.	2.2	104
38	Differential Signaling by the Epidermal Growth Factor-like Growth Factors Neuregulin-1 and Neuregulin-2. Journal of Biological Chemistry, 1998, 273, 26954-26961.	3.4	76
39	Neuregulin-2, a new ligand of ErbB3/ErbB4-receptor tyrosine kinases. Nature, 1997, 387, 512-516.	27.8	370
40	Aberrant neural and cardiac development in mice lacking the ErbB4 neuregulin receptor. Nature, 1995, 378, 390-394.	27.8	1,033
41	Mapping of the receptor protein-tyrosine kinase 10 to human chromosome 1q21â€“q23 and mouse chromosome 1H1â€“5 by fluorescence in situ hybridization. Genomics, 1995, 25, 337-339.	2.9	5
42	The anticoagulation factor protein S and its relative, Gas6, are ligands for the Tyro 3/Axl family of receptor tyrosine kinases. Cell, 1995, 80, 661-670.	28.9	702
43	Novel and Known Protein Tyrosine Kinases and Their Abnormal Expression in Human Melanoma. Journal of Investigative Dermatology, 1993, 101, 679-684.	0.7	35
44	An extended family of protein-tyrosine kinase genes differentially expressed in the vertebrate nervous system. Neuron, 1991, 6, 691-704.	8.1	433
45	Organization of Myelin Protein Genes: Myelin-Associated Glycoprotein. Annals of the New York Academy of Sciences, 1990, 605, 254-261.	3.8	7
46	Neural Protein 1B236/Myelin-Associated Glycoprotein (MAG) Defines a Subgroup of the Immunoglobulin Superfamily. Immunological Reviews, 1987, 100, 129-151.	6.0	54