

Melitta Schachner

List of Publications by Year in descending order

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122
papers

9,355
citations

46918

47
h-index

40881

93
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125
all docs

125
docs citations

125
times ranked

8659
citing authors

#	ARTICLE	IF	CITATIONS
1	Interplay in neural functions of cell adhesion molecule close homolog of L1 (CHL1) and Programmed Cell Death 6 (PDCD6). <i>FASEB BioAdvances</i> , 2022, 4, 43-59.	1.3	3
2	Cell adhesion molecule L1 interacts with the chromo shadow domain of heterochromatin protein 1 isoforms H1 , H2 , and H3 via its intracellular domain. <i>FASEB Journal</i> , 2022, 36, e22074.	0.2	7
3	Mice lacking perforin have improved regeneration of the injured femoral nerve. <i>Neural Regeneration Research</i> , 2022, 17, 1802.	1.6	2
4	A fragment of cell adhesion molecule L1 reduces amyloid- β^2 plaques in a mouse model of Alzheimer's disease. <i>Cell Death and Disease</i> , 2022, 13, 48.	2.7	16
5	Antagonistic L1 Adhesion Molecule Mimetic Compounds Inhibit Glioblastoma Cell Migration In Vitro. <i>Biomolecules</i> , 2022, 12, 439.	1.8	4
6	The Cell Adhesion Molecule L1 Interacts with Methyl CpG Binding Protein 2 via Its Intracellular Domain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3554.	1.8	7
7	Mitochondrial and Neuronal Dysfunctions in L1 Mutant Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4337.	1.8	6
8	Neural glycomics: the sweet side of nervous system functions. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 93-116.	2.4	25
9	Revisiting the proteolytic processing of cell adhesion molecule L1. <i>Journal of Neurochemistry</i> , 2021, 157, 1102-1117.	2.1	20
10	Small compounds mimicking the adhesion molecule L1 improve recovery in a zebrafish demyelination model. <i>Scientific Reports</i> , 2021, 11, 5878.	1.6	3
11	Impact of Depletion of Microglia/Macrophages on Regeneration after Spinal Cord Injury. <i>Neuroscience</i> , 2021, 459, 129-141.	1.1	12
12	Adhesion molecule L1 inhibition increases infarct size in cerebral ischemia-reperfusion without change in blood-brain barrier disruption. <i>Neurological Research</i> , 2021, 43, 751-759.	0.6	2
13	Proteins Binding to the Carbohydrate HNK-1: Common Origins?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8116.	1.8	1
14	Chondroitin 6-sulfate-binding peptides improve recovery in spinal cord-injured mice. <i>European Journal of Pharmacology</i> , 2021, 910, 174421.	1.7	3
15	Functions of Small Organic Compounds that Mimic the HNK-1 Glycan. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7018.	1.8	2
16	L1cam curbs the differentiation of adult-born hippocampal neurons. <i>Stem Cell Research</i> , 2020, 48, 101999.	0.3	8
17	Analysis of the functional sequences in the promoter region of the human adhesion molecule close homolog of L1. <i>International Journal of Neuroscience</i> , 2020, , 1-7.	0.8	0
18	Application of Antibodies to Neuronally Expressed Nogo-A Increases Neuronal Survival and Neurite Outgrowth. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5417.	1.8	8

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19	Myristoylated alanine-rich C-kinase substrate effector domain peptide improves sex-specific recovery and axonal regrowth after spinal cord injury. <i>FASEB Journal</i> , 2020, 34, 12677-12690.	0.2	6
20	The L1 cell adhesion molecule affects protein kinase D1 activity in the cerebral cortex in a mouse model of Alzheimer's disease. <i>Brain Research Bulletin</i> , 2020, 162, 141-150.	1.4	13
21	Different Functions of Recombinantly Expressed Domains of Tenascin-C in Glial Scar Formation. <i>Frontiers in Immunology</i> , 2020, 11, 624612.	2.2	4
22	L1CAM Beneficially Inhibits Histone Deacetylase 2 Expression under Conditions of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2020, 17, 382-392.	0.7	4
23	A mimetic peptide of α 2,6-sialyllactose promotes neuritogenesis. <i>Neural Regeneration Research</i> , 2020, 15, 1058.	1.6	11
24	Histone H1 improves regeneration after mouse spinal cord injury and changes shape and gene expression of cultured astrocytes. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 291-313.	0.4	5
25	Close Homolog of L1 Regulates Dendritic Spine Density in the Mouse Cerebral Cortex Through Semaphorin 3B. <i>Journal of Neuroscience</i> , 2019, 39, 6233-6250.	1.7	23
26	Enhanced Neuronal Survival and Neurite Outgrowth Triggered by Novel Small Organic Compounds Mimicking the LewisX Glycan. <i>Molecular Neurobiology</i> , 2018, 55, 8203-8215.	1.9	12
27	A fragment of adhesion molecule L1 is imported into mitochondria and regulates mitochondrial metabolism and trafficking. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	18
28	A Fragment of Adhesion Molecule L1 Binds to Nuclear Receptors to Regulate Synaptic Plasticity and Motor Coordination. <i>Molecular Neurobiology</i> , 2018, 55, 7164-7178.	1.9	19
29	The human natural killer-1 (HNK-1) glycan mimetic ursolic acid promotes functional recovery after spinal cord injury in mouse. <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 219-228.	1.9	23
30	A Small Organic Compound Mimicking the L1 Cell Adhesion Molecule Promotes Functional Recovery after Spinal Cord Injury in Zebrafish. <i>Molecular Neurobiology</i> , 2018, 55, 859-878.	1.9	18
31	Phenelzine, a cell adhesion molecule L1 mimetic small organic compound, promotes functional recovery and axonal regrowth in spinal cord-injured zebrafish. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 171, 30-38.	1.3	18
32	Pericyte-like spreading by disseminated cancer cells activates YAP and MRTF for metastatic colonization. <i>Nature Cell Biology</i> , 2018, 20, 966-978.	4.6	186
33	Cell Adhesion Molecule Close Homolog of L1 (CHL1) Guides the Regrowth of Regenerating Motor Axons and Regulates Synaptic Coverage of Motor Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 174.	1.4	15
34	The extracellular matrix glycoprotein tenascin-C and matrix metalloproteinases modify cerebellar structural plasticity by exposure to an enriched environment. <i>Brain Structure and Function</i> , 2017, 222, 393-415.	1.2	40
35	The Adhesion Molecule-Characteristic HNK-1 Carbohydrate Contributes to Functional Recovery After Spinal Cord Injury in Adult Zebrafish. <i>Molecular Neurobiology</i> , 2017, 54, 3253-3263.	1.9	18
36	Participation of perforin in mediating dopaminergic neuron loss in MPTP-induced Parkinson's disease in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 618-622.	1.0	6

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37	The cell adhesion molecule CHL1 interacts with patched-1 to regulate apoptosis during postnatal cerebellar development. <i>Journal of Cell Science</i> , 2017, 130, 2606-2619.	1.2	10
38	The polysialic acid mimetics idarubicin and irinotecan stimulate neuronal survival and neurite outgrowth and signal via protein kinase C. <i>Journal of Neurochemistry</i> , 2017, 142, 392-406.	2.1	12
39	Neural Cell Adhesion Molecules of the Immunoglobulin Superfamily Regulate Synapse Formation, Maintenance, and Function. <i>Trends in Neurosciences</i> , 2017, 40, 295-308.	4.2	180
40	Tenascin-C deficiency protects mice from experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2017, 302, 1-6.	1.1	27
41	The L1 adhesion molecule normalizes neuritogenesis in Rett syndrome-derived neural precursor cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 504-510.	1.0	14
42	The small molecule mimetic agonist trimebutine of adhesion molecule L1 contributes to functional recovery after spinal cord injury in mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1117-1128.	1.2	19
43	Lentiviral Delivery of miR-133b Improves Functional Recovery After Spinal Cord Injury in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 4659-4671.	1.9	54
44	Proteolytic cleavage of transmembrane cell adhesion molecule L1 by extracellular matrix molecule Reelin is important for mouse brain development. <i>Scientific Reports</i> , 2017, 7, 15268.	1.6	21
45	The cell adhesion molecule CHL1 interacts with patched-1 to regulate apoptosis during postnatal cerebellar development. <i>Development (Cambridge)</i> , 2017, 144, e1.2-e1.2.	1.2	0
46	The polysialic acid mimetics 5-nonyloxytryptamine and vinorelbine facilitate nervous system repair. <i>Scientific Reports</i> , 2016, 6, 26927.	1.6	25
47	Porous and Nonporous Nerve Conduits: The Effects of a Hydrogel Luminal Filler With and Without a Neurite-Promoting Moiety. <i>Tissue Engineering - Part A</i> , 2016, 22, 818-826.	1.6	35
48	Polysialic acid enters the cell nucleus attached to a fragment of the neural cell adhesion molecule NCAM to regulate the circadian rhythm in mouse brain. <i>Molecular and Cellular Neurosciences</i> , 2016, 74, 114-127.	1.0	26
49	Improvement of neuronal cell survival by astrocyte-derived exosomes under hypoxic and ischemic conditions depends on prion protein. <i>Glia</i> , 2016, 64, 896-910.	2.5	143
50	Small Molecule Agonists of Cell Adhesion Molecule L1 Mimic L1 Functions In Vivo. <i>Molecular Neurobiology</i> , 2016, 53, 4461-4483.	1.9	40
51	Cell adhesion molecule L1 contributes to neuronal excitability regulating the function of voltage-gated sodium channels. <i>Journal of Cell Science</i> , 2016, 129, 1878-91.	1.2	23
52	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Improves Regeneration After Injury. <i>Molecular Neurobiology</i> , 2016, 53, 3360-3376.	1.9	42
53	Interaction between the close homolog of L1 and serotonin receptor 2c regulates signal transduction and behavior in mice. <i>Journal of Cell Science</i> , 2015, 128, 4642-52.	1.2	23
54	The intracellular domain of L1<sc>CAM</sc> binds to casein kinase 2 β and is neuroprotective via inhibition of the tumor suppressors <sc>PTEN</sc> and p53. <i>Journal of Neurochemistry</i> , 2015, 133, 828-843.	2.1	19

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55	Heterozygous L1-deficient mice express an autism-like phenotype. <i>Behavioural Brain Research</i> , 2015, 292, 432-442.	1.2	15
56	Kinesin-1 promotes post-Golgi trafficking of NCAM140 and NCAM180 to the cell surface. <i>Journal of Cell Science</i> , 2015, 128, 2816-29.	1.2	14
57	Antagonistic Effects of BACE1 and APH1B- $\hat{3}$ -Secretase Control Axonal Guidance by Regulating Growth Cone Collapse. <i>Cell Reports</i> , 2015, 12, 1367-1376.	2.9	60
58	The Asparaginyl Endopeptidase Legumain Is Essential for Functional Recovery after Spinal Cord Injury in Adult Zebrafish. <i>PLoS ONE</i> , 2014, 9, e95098.	1.1	18
59	Function-Triggering Antibodies to the Adhesion Molecule L1 Enhance Recovery after Injury of the Adult Mouse Femoral Nerve. <i>PLoS ONE</i> , 2014, 9, e112984.	1.1	10
60	Presynaptic NCAM Is Required for Motor Neurons to Functionally Expand Their Peripheral Field of Innervation in Partially Denervated Muscles. <i>Journal of Neuroscience</i> , 2014, 34, 10497-10510.	1.7	32
61	Tenascin-R promotes assembly of the extracellular matrix of perineuronal nets via clustering of aggrecan. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20140046.	1.8	80
62	Induction of clusterin Expression by Neuronal Cell Death in Zebrafish. <i>Journal of Genetics and Genomics</i> , 2014, 41, 583-589.	1.7	13
63	Cathepsin E generates a sumoylated intracellular fragment of the cell adhesion molecule L1 to promote neuronal and Schwann cell migration as well as myelination. <i>Journal of Neurochemistry</i> , 2014, 128, 713-724.	2.1	31
64	Nonyloxytryptamine mimics polysialic acid and modulates neuronal and glial functions in cell culture. <i>Journal of Neurochemistry</i> , 2014, 128, 88-100.	2.1	25
65	Interaction of the Cell Adhesion Molecule CHL1 with Vitronectin, Integrins, and the Plasminogen Activator Inhibitor-2 Promotes CHL1-Induced Neurite Outgrowth and Neuronal Migration. <i>Journal of Neuroscience</i> , 2014, 34, 14606-14623.	1.7	45
66	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Promotes Neuritogenesis and Cell Survival. <i>Journal of Biological Chemistry</i> , 2014, 289, 13503-13518.	1.6	48
67	Engineered N-cadherin and L1 biomimetic substrates concertedly promote neuronal differentiation, neurite extension and neuroprotection of human neural stem cells. <i>Acta Biomaterialia</i> , 2014, 10, 4113-4126.	4.1	29
68	Adhesion molecule L1 binds to amyloid beta and reduces Alzheimer's disease pathology in mice. <i>Neurobiology of Disease</i> , 2013, 56, 104-115.	2.1	49
69	The Interaction between Cell Adhesion Molecule L1, Matrix Metalloproteinase 14, and Adenine Nucleotide Translocator at the Plasma Membrane Regulates L1-Mediated Neurite Outgrowth of Murine Cerebellar Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 3917-3930.	1.7	34
70	Generation and Nuclear Translocation of Sumoylated Transmembrane Fragment of Cell Adhesion Molecule L1. <i>Journal of Biological Chemistry</i> , 2012, 287, 17161-17175.	1.6	55
71	Expression of glycogenes in differentiating human NT2N neurons. Downregulation of fucosyltransferase 9 leads to decreased Lewisx levels and impaired neurite outgrowth. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 2007-2019.	1.1	28
72	Oriented, Multimeric Biointerfaces of the L1 Cell Adhesion Molecule: An Approach to Enhance Neuronal and Neural Stem Cell Functions on 2-D and 3-D Polymer Substrates. <i>Biointerphases</i> , 2012, 7, 22.	0.6	15

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73	CHL1 negatively regulates the proliferation and neuronal differentiation of neural progenitor cells through activation of the ERK1/2 MAPK pathway. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 296-307.	1.0	30
74	L1 and CHL1 Cooperate in Thalamocortical Axon Targeting. <i>Cerebral Cortex</i> , 2011, 21, 401-412.	1.6	62
75	Synapsin I Is an Oligomannose-Carrying Glycoprotein, Acts As an Oligomannose-Binding Lectin, and Promotes Neurite Outgrowth and Neuronal Survival When Released via Glia-Derived Exosomes. <i>Journal of Neuroscience</i> , 2011, 31, 7275-7290.	1.7	244
76	Identification and validation of a Lewisx glycomimetic peptide. <i>European Journal of Cell Biology</i> , 2010, 89, 77-86.	1.6	11
77	The dual role of the extracellular matrix in synaptic plasticity and homeostasis. <i>Nature Reviews Neuroscience</i> , 2010, 11, 735-746.	4.9	447
78	Cellular Form of Prion Protein Inhibits Reelin-Mediated Shedding of Caspr from the Neuronal Cell Surface to Potentiate Caspr-Mediated Inhibition of Neurite Outgrowth. <i>Journal of Neuroscience</i> , 2010, 30, 9292-9305.	1.7	51
79	Binding of the Receptor Tyrosine Kinase TrkB to the Neural Cell Adhesion Molecule (NCAM) Regulates Phosphorylation of NCAM and NCAM-dependent Neurite Outgrowth. <i>Journal of Biological Chemistry</i> , 2010, 285, 28959-28967.	1.6	46
80	Ablation of adhesion molecule L1 in mice favours Schwann cell proliferation and functional recovery after peripheral nerve injury. <i>Brain</i> , 2009, 132, 2180-2195.	3.7	62
81	Lewis ^x and α 2,3-Sialyl Glycans and Their Receptors TAG-1, Contactin, and L1 Mediate CD24-Dependent Neurite Outgrowth. <i>Journal of Neuroscience</i> , 2009, 29, 6677-6690.	1.7	56
82	Cell surface sialylation and fucosylation are regulated by the cell recognition molecule L1 via PLC β 3 and cooperate to modulate embryonic stem cell survival and proliferation. <i>FEBS Letters</i> , 2009, 583, 703-710.	1.3	14
83	Close homologue of adhesion molecule L1 promotes survival of Purkinje and granule cells and granule cell migration during murine cerebellar development. <i>Journal of Comparative Neurology</i> , 2009, 513, 496-510.	0.9	55
84	Glycomic Analysis of N-Linked Carbohydrate Epitopes from CD24 of Mouse Brain. <i>Journal of Proteome Research</i> , 2009, 8, 567-582.	1.8	32
85	Extracellular GAPDH binds to L1 and enhances neurite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2009, 41, 206-218.	1.0	41
86	O-glycosylation pattern of CD24 from mouse brain. <i>Biological Chemistry</i> , 2009, 390, 627-645.	1.2	74
87	α 1 Integrin-mediated Effects of Tenascin-R Domains EGFL and FN6-8 on Neural Stem/Progenitor Cell Proliferation and Differentiation in Vitro. <i>Journal of Biological Chemistry</i> , 2008, 283, 27927-27936.	1.6	30
88	Bergmann Glia and the Recognition Molecule CHL1 Organize GABAergic Axons and Direct Innervation of Purkinje Cell Dendrites. <i>PLoS Biology</i> , 2008, 6, e103.	2.6	120
89	Close Homolog of L1 and Neuropilin 1 Mediate Guidance of Thalamocortical Axons at the Ventral Telencephalon. <i>Journal of Neuroscience</i> , 2007, 27, 13667-13679.	1.7	95
90	Glial Scar Expression of CHL1, the Close Homolog of the Adhesion Molecule L1, Limits Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2007, 27, 7222-7233.	1.7	95

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91	Neural recognition molecules of the immunoglobulin superfamily: signaling transducers of axon guidance and neuronal migration. <i>Nature Neuroscience</i> , 2007, 10, 19-26.	7.1	734
92	Recognition molecules and neural repair. <i>Journal of Neurochemistry</i> , 2007, 101, 865-882.	2.1	95
93	Elevated levels of neural recognition molecule L1 in the cerebrospinal fluid of patients with Alzheimer disease and other dementia syndromes. <i>Neurobiology of Aging</i> , 2006, 27, 1-9.	1.5	78
94	Enhanced perisomatic inhibition and impaired long-term potentiation in the CA1 region of juvenile CHL1-deficient mice. <i>European Journal of Neuroscience</i> , 2006, 23, 1839-1852.	1.2	60
95	Signal transduction pathways implicated in neural recognition molecule L1 triggered neuroprotection and neuritogenesis. <i>Journal of Neurochemistry</i> , 2005, 92, 1463-1476.	2.1	94
96	Cell Adhesion Molecule L1 Transfected Embryonic Stem Cells with Enhanced Survival Support Regrowth of Corticospinal Tract Axons in Mice after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2005, 22, 896-906.	1.7	79
97	L1.1 Is Involved in Spinal Cord Regeneration in Adult Zebrafish. <i>Journal of Neuroscience</i> , 2004, 24, 7837-7842.	1.7	156
98	Ectodomain Shedding of the Neural Recognition Molecule CHL1 by the Metalloprotease-disintegrin ADAM8 Promotes Neurite Outgrowth and Suppresses Neuronal Cell Death. <i>Journal of Biological Chemistry</i> , 2004, 279, 16083-16090.	1.6	111
99	Glycans and neural cell interactions. <i>Nature Reviews Neuroscience</i> , 2004, 5, 195-208.	4.9	475
100	Close Homolog of L1 Modulates Area-Specific Neuronal Positioning and Dendrite Orientation in the Cerebral Cortex. <i>Neuron</i> , 2004, 44, 423-437.	3.8	104
101	Neural cell adhesion molecule L1 is required for fasciculation and routing of thalamocortical fibres and corticothalamic fibres. <i>Neuroscience Research</i> , 2004, 48, 471-475.	1.0	27
102	Reduced GABAergic transmission and number of hippocampal perisomatic inhibitory synapses in juvenile mice deficient in the neural cell adhesion molecule L1. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 191-203.	1.0	61
103	Altered expression of CHL1 by glial cells in response to optic nerve injury and intravitreal application of fibroblast growth factor-2. <i>Journal of Neuroscience Research</i> , 2003, 71, 835-843.	1.3	33
104	Extracellular matrix molecules and synaptic plasticity. <i>Nature Reviews Neuroscience</i> , 2003, 4, 456-468.	4.9	459
105	Close Homolog of L1 Is an Enhancer of Integrin-mediated Cell Migration. <i>Journal of Biological Chemistry</i> , 2003, 278, 25024-25031.	1.6	84
106	Soluble Cell Adhesion Molecule L1-Fc Promotes Locomotor Recovery in Rats after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2003, 20, 871-882.	1.7	98
107	The Proprotein Convertase PC5A and a Metalloprotease Are Involved in the Proteolytic Processing of the Neural Adhesion Molecule L1. <i>Journal of Biological Chemistry</i> , 2003, 278, 10381-10388.	1.6	90
108	A New Role for the Cell Adhesion Molecule L1 in Neural Precursor Cell Proliferation, Differentiation, and Transmitter-Specific Subtype Generation. <i>Journal of Neuroscience</i> , 2003, 23, 6638-6650.	1.7	76

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109	Decreased Anxiety, Altered Place Learning, and Increased CA1 Basal Excitatory Synaptic Transmission in Mice with Conditional Ablation of the Neural Cell Adhesion Molecule L1. <i>Journal of Neuroscience</i> , 2003, 23, 10419-10432.	1.7	94
110	The Neural Recognition Molecule L1 Is a Sialic Acid-binding Lectin for CD24, Which Induces Promotion and Inhibition of Neurite Outgrowth. <i>Journal of Biological Chemistry</i> , 2001, 276, 21656-21663.	1.6	114
111	Synaptic Strength as a Function of Post- versus Presynaptic Expression of the Neural Cell Adhesion Molecule NCAM. <i>Neuron</i> , 2000, 26, 207-217.	3.8	161
112	The close homologue of the neural adhesion molecule L1 (CHL1): patterns of expression and promotion of neurite outgrowth by heterophilic interactions. <i>European Journal of Neuroscience</i> , 1999, 11, 813-826.	1.2	112
113	Prevention of neuronal cell death by neural adhesion molecules L1 and CHL1. , 1999, 38, 428-439.		154
114	Neural recognition molecules and synaptic plasticity. <i>Current Opinion in Cell Biology</i> , 1997, 9, 627-634.	2.6	260
115	Disruption of the mouse L1 gene leads to malformations of the nervous system. <i>Nature Genetics</i> , 1997, 17, 346-349.	9.4	462
116	Structural Features of a Close Homologue of L1 (CHL1)in the Mouse: A New Member of the L1 Family of Neural Recognition Molecules. <i>European Journal of Neuroscience</i> , 1996, 8, 1613-1629.	1.2	101
117	Identification of the border between fibronectin type III homologous repeats 2 and 3 of the neural cell adhesion molecule L1 as a neurite outgrowth promoting and signal transducing domain. <i>Journal of Neurobiology</i> , 1995, 28, 297-312.	3.7	76
118	Isolation and Biochemical Characterization of a Neural Proteoglycan Expressing the L5 Carbohydrate Epitope. <i>Journal of Neurochemistry</i> , 1990, 55, 1494-1506.	2.1	72
119	The gene encoding L1, a neural adhesion molecule of the immunoglobulin family, is located on the X chromosome in mouse and man. <i>Genomics</i> , 1990, 7, 587-593.	1.3	61
120	Neural adhesion molecule L1 as a member of the immunoglobulin superfamily with binding domains similar to fibronectin. <i>Nature</i> , 1988, 334, 701-703.	13.7	645
121	Biochemical Characterization of Different Molecular Forms of the Neural Cell Adhesion Molecule L1. <i>Journal of Neurochemistry</i> , 1988, 50, 510-521.	2.1	92
122	The J1 glycoproteinâ€”a novel nervous system cell adhesion molecule of the L2/HNK-1 family. <i>Nature</i> , 1985, 316, 146-148.	13.7	587