Andreas Faissner

List of Publications by Year
in descending order

260	17,101	9775	18115
papers	citations	h-index	g-index

273	273	273	9640
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural cell adhesion molecules and myelin-associated glycoprotein share a common carbohydrate moiety recognized by monoclonal antibodies L2 and HNK-1. Nature, 1984, 311, 153-155.	13.7	729
2	The J1 glycoproteinâ€"a novel nervous system cell adhesion molecule of the L2/HNK-1 family. Nature, 1985, 316, 146-148.	13.7	587
3	Differential inhibition of neuroneâ€"neurone, neuroneâ€"astrocyte and astrocyteâ€"astrocyte adhesion by L1, L2 and N-CAM antibodies. Nature, 1985, 316, 728-730.	13.7	513
4	J1/tenascin is a repulsive substrate for central nervous system neurons. Neuron, 1990, 5, 627-637.	3.8	377
5	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. Cell, 2020, 180, 1067-1080.e16.	13.5	367
6	Isolation of a neural chondroitin sulfate proteoglycan with neurite outgrowth promoting properties.. Journal of Cell Biology, 1994, 126, 783-799.	2.3	362
7	Generation of an environmental niche for neural stem cell development by the extracellular matrix molecule tenascin C. Development (Cambridge), 2004, 131, 3423-3432.	1.2	279
8	J1/tenascin in substrate-bound and soluble form displays contrary effects on neurite outgrowth.. Journal of Cell Biology, 1991, 113, 1159-1171.	2.3	276
9	Enhanced expression of the developmentally regulated extracellular matrix molecule tenascin following adult brain injury.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 2634-2638.	3.3	266
10	Boundaries defined by adhesion molecules during development of the cerebral cortex: the J1 /tenascin glycoprotein in the mouse somatosensory cortical barrel field. Developmental Biology, 1989, 131, 243-260.	0.9	260
11	Expression of tenascin in the developing and adult cerebellar cortex. Journal of Neuroscience, 1992, 12, 736-749.	1.7	251
12	Cell and molecular analysis of the developing and adult mouse subventricular zone of the cerebral hemispheres. Journal of Comparative Neurology, 1995, 361, 249-266.	0.9	244
13	Comparing Astrocytic Cell Lines that Are Inhibitory or Permissive for Axon Growth: the Major Axon-Inhibitory Proteoglycan Is NG2. Journal of Neuroscience, 1999, 19, 8778-8788.	1.7	242
14	Tau Binds to the Distal Axon Early in Development of Polarity in a Microtubule- and Microfilament-Dependent Manner. Journal of Neuroscience, 1996, 16, 5583-5592.	1.7	220
15	Tenascin promotes cerebellar granule cell migration and neurite outgrowth by different domains in the fibronectin type III repeats.. Journal of Cell Biology, 1992, 116, 1475-1486.	2.3	201
16	Contributions of astrocytes to synapse formation and maturation â€" Potential functions of the perisynaptic extracellular matrix. Brain Research Reviews, 2010, 63, 26-38.	9.1	200
17	Astrocytes as a Source for Extracellular Matrix Molecules and Cytokines. Frontiers in Pharmacology, 2012, 3, 120.	1.6	200
18	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. Development (Cambridge), 2001, 128, 2485-2496.	1.2	196

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19	The Time Course of Loss of Dopaminergic Neurons and the Gliotic Reaction Surrounding Grafts of Embryonic Mesencephalon to the Striatum. Experimental Neurology, 1996, 141, 79-93.	2.0	187
20	An inhibitor of neurite outgrowth produced by astrocytes. Journal of Cell Science, 1994, 107, 1687-1695.	1.2	185
21	Chondroitin sulfate glycosaminoglycans control proliferation, radial glia cell differentiation and neurogenesis in neural stem/progenitor cells. Development (Cambridge), 2007, 134, 2727-2738.	1.2	181
22	The DSD-1 Carbohydrate Epitope Depends on Sulfation, Correlates with Chondroitin Sulfate D Motifs, and Is Sufficient to Promote Neurite Outgrowth. Journal of Biological Chemistry, 1998, 273, 28444-28453.	1.6	173
23	The structure and function of tenascins in the nervous system. Matrix Biology, 2001, 20, 13-22.	1.5	165
24	Enhanced expression of the extracellular matrix molecule J1/tenascin in the regenerating adult mouse sciatic nerve. Journal of Neurocytology, 1990, 19, 601-616.	1.6	160
25	Boundaries and inhibitory molecules in developing neural tissues. Glia, 1995, 13, 233-254.	2.5	156
26	DSD-1-Proteoglycan Is the Mouse Homolog of Phosphacan and Displays Opposing Effects on Neurite Outgrowth Dependent on Neuronal Lineage. Journal of Neuroscience, 1999, 19, 3888-3899.	1.7	154
27	Characteristic Hexasaccharide Sequences in Octasaccharides Derived from Shark Cartilage Chondroitin Sulfate D with a Neurite Outgrowth Promoting Activity. Journal of Biological Chemistry, 1998, 273, 3296-3307.	1.6	149
28	Tenascin-C contains distinct adhesive, anti-adhesive, and neurite outgrowth promoting sites for neurons.. Journal of Cell Biology, 1996, 132, 681-699.	2.3	144
29	Î±9 Integrin Promotes Neurite Outgrowth on Tenascin-C and Enhances Sensory Axon Regeneration. Journal of Neuroscience, 2009, 29, 5546-5557.	1.7	144
30	Biosynthesis and membrane topography of the neural cell adhesion molecule L1.. EMBO Journal, 1985, 4, 3105-3113.	3.5	143
31	Long-term changes in the molecular composition of the glial scar and progressive increase of serotoninergic fibre sprouting after hemisection of the mouse spinal cord. European Journal of Neuroscience, 2004, 20, 1161-1176.	1.2	137
32	The tenascin gene family in axon growth and guidance. Cell and Tissue Research, 1997, 290, 331-341.	1.5	136
33	Demonstration of immunochemical identity between the nerve growth factor-inducible large external (NILE) glycoprotein and the cell adhesion molecule L1.. EMBO Journal, 1985, 4, 2765-2768.	3.5	129
34	The Unique 473HD-Chondroitinsulfate Epitope Is Expressed by Radial Glia and Involved in Neural Precursor Cell Proliferation. Journal of Neuroscience, 2006, 26, 4082-4094.	1.7	129
35	Increased axon regeneration in astrocytes grown in the presence of proteoglycan synthesis inhibitors. Journal of Cell Science, 1995, 108, 1307-1315.	1.2	129
36	Chondroitin sulfate E promotes neurite outgrowth of rat embryonic day 18 hippocampal neurons. Neuroscience Letters, 1999, 269, 125-128.	1.0	128

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37	Boundaries during normal and abnormal brain development: In vivo and in vitro studies of glia and glycoconjugates. Experimental Neurology, 1990, 109, 35-56.	2.0	126
38	Cell and matrix specialisations of rhombomere boundaries. Developmental Dynamics, 1995, 204, 301-315.	0.8	125
39	The high-molecular-weight J1 glycoproteins are immunochemically related to tenascin. Differentiation, 1988, 37, 104-114.	1.0	122
40	Oversulfated Dermatan Sulfate Exhibits Neurite Outgrowth-promoting Activity toward Embryonic Mouse Hippocampal Neurons. Journal of Biological Chemistry, 2003, 278, 43744-43754.	1.6	120
41	Tenascin knockout mice: barrels, boundary molecules, and glial scars. Journal of Neuroscience, 1995, 15, 1971-1983.	1.7	118
42	Tenascin-C Promotes Neurite Outgrowth of Embryonic Hippocampal Neurons through the Alternatively Spliced Fibronectin Type III BD Domains via Activation of the Cell Adhesion Molecule F3/Contactin. Journal of Neuroscience, 2002, 22, 6596-6609.	1.7	114
43	Primary Hippocampal Neurons, Which Lack Four Crucial Extracellular Matrix Molecules, Display Abnormalities of Synaptic Structure and Function and Severe Deficits in Perineuronal Net Formation. Journal of Neuroscience, 2013, 33, 7742-7755.	1.7	114
44	Chondroitin sulfate proteoglycans regulate astrocyteâ€dependent synaptogenesis and modulate synaptic activity in primary embryonic hippocampal neurons. European Journal of Neuroscience, 2011, 33, 2187-2202.	1.2	112
45	Neuron-Glia Interactions in Neural Plasticity: Contributions of Neural Extracellular Matrix and Perineuronal Nets. Neural Plasticity, 2016, 2016, 1-14.	1.0	112
46	The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2.. EMBO Journal, 1984, 3, 733-737.	3.5	111
47	Expression of neural cell adhesion molecule L1 during development, in neurological mutants and in the peripheral nervous system. Developmental Brain Research, 1984, 15, 69-82.	2.1	111
48	Structural characterization of the epitopes of the monoclonal antibodies 473HD, CS-56, and MO-225 specific for chondroitin sulfate D-type using the oligosaccharide library. Glycobiology, 2005, 15, 593-603.	1.3	111
49	Chondroitin Sulfates Are Required for Fibroblast Growth Factor-2-Dependent Proliferation and Maintenance in Neural Stem Cells and for Epidermal Growth Factor-Dependent Migration of Their Progeny. Stem Cells, 2010, 28, 775-787.	1.4	107
50	Focal brain injury and upregulation of a developmentally regulated extracellular matrix protein. Journal of Neurosurgery, 1995, 82, 106-112.	0.9	106
51	3D visualization and quantification of microvessels in the whole ischemic mouse brain using solvent-based clearing and light sheet microscopy. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3355-3367.	2.4	106
52	Tenascin demarcates the boundary between the myelinated and nonmyelinated part of retinal ganglion cell axons in the developing and adult mouse. Journal of Neuroscience, 1994, 14, 4756-4768.	1.7	105
53	Conditional deletion of Î²1â€integrin in astroglia causes partial reactive gliosis. Glia, 2009, 57, 1630-1647.	2.5	103
54	The extracellular matrix compartment of neural stem and glial progenitor cells. Glia, 2015, 63, 1330-1349.	2.5	102

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55	Expression of Multiple Chondroitin/Dermatan Sulfotransferases in the Neurogenic Regions of the Embryonic and Adult Central Nervous System Implies That Complex Chondroitin Sulfates Have a Role in Neural Stem Cell Maintenance. Stem Cells, 2008, 26, 798-809.	1.4	100
56	Biochemical Characterization of Different Molecular Forms of the Neural Cell Adhesion Molecule L1. Journal of Neurochemistry, 1988, 50, 510-521.	2.1	92
57	Retention of J1/tenascin and the polysialylated form of the neural cell adhesion molecule (N-CAM) in the adult olfactory bulb. Journal of Neurocytology, 1990, 19, 899-914.	1.6	92
58	Up-regulation of astrocyte-derived tenascin-C correlates with neurite outgrowth in the rat dentate gyrus after unilateral entorhinal cortex lesion. Neuroscience, 1997, 81, 829-846.	1.1	92
59	The extracellular matrix glycoprotein Tenascin-C is expressed by oligodendrocyte precursor cells and required for the regulation of maturation rate, survival and responsiveness to platelet-derived growth factor. European Journal of Neuroscience, 2004, 20, 2524-2540.	1.2	92
60	Chondroitin Sulfate â€œWobble Motifsâ€•Modulate Maintenance and Differentiation of Neural Stem Cells and Their Progeny. Journal of Biological Chemistry, 2012, 287, 2935-2942.	1.6	88
61	Tenascin-C Inhibits Oligodendrocyte Precursor Cell Migration by both Adhesion-Dependent and Adhesion-Independent Mechanisms. Molecular and Cellular Neurosciences, 1996, 7, 322-335.	1.0	87
62	Role of tenascins in the ECM of gliomas. Cell Adhesion and Migration, 2015, 9, 131-140.	1.1	86
63	Brain tumor-initiating cells export tenascin-C associated with exosomes to suppress T cell activity. OncoImmunology, 2018, 7, e1478647.	2.1	86
64	Tenascin-C Synthesis and Influence on Axonal Growth During Rat Cortical Development. European Journal of Neuroscience, 1997, 9, 496-506.	1.2	85
65	J1 /tenascin-related molecules are not responsible for the segmented pattern of neural crest cells or motor axons in the chick embryo. Development (Cambridge), 1989, 107, 309-319.	1.2	85
66	Regulation of RPTPÎ²/phosphacan expression and glycosaminoglycan epitopes in injured brain and cytokine-treated glia. Molecular and Cellular Neurosciences, 2003, 24, 951-971.	1.0	84
67	Heparin-binding Growth Factor, Pleiotrophin, Mediates Neuritogenic Activity of Embryonic Pig Brain-derived Chondroitin Sulfate/Dermatan Sulfate Hybrid Chains. Journal of Biological Chemistry, 2005, 280, 9180-9191.	1.6	83
68	Tenascin C and tenascin R similarly prevent the formation of myelin membranes in a RhoAâ€dependent manner, but antagonistically regulate the expression of myelin basic protein via a separate pathway. Glia, 2009, 57, 1790-1801.	2.5	82
69	Colocalization of synapse marker proteins evaluated by STED-microscopy reveals patterns of neuronal synapse distribution in vitro. Journal of Neuroscience Methods, 2016, 273, 149-159.	1.3	81
70	The extracellular matrix niche microenvironment of neural and cancer stem cells in the brain. International Journal of Biochemistry and Cell Biology, 2016, 81, 174-183.	1.2	79
71	Mapping of a Defined Neurocan Binding Site to Distinct Domains of Tenascin-C. Journal of Biological Chemistry, 1997, 272, 26905-26912.	1.6	78
72	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. Journal of Neurobiology, 1995, 28, 297-312.	3.7	76

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73	Regulation of Oligodendrocyte Precursor Migration by Extracellular Matrix: Evidence for Substrate-Specific Inhibition of Migration by Tenascin-C. Developmental Neuroscience, 1996, 18, 266-273.	1.0	76
74	Evidence for Combinatorial Variability of Tenascin-C Isoforms and Developmental Regulation in the Mouse Central Nervous System. Journal of Biological Chemistry, 1999, 274, 17144-17151.	1.6	76
75	Phosphacan Short Isoform, a Novel Non-proteoglycan Variant of Phosphacan/Receptor Protein Tyrosine Phosphatase-Î², Interacts with Neuronal Receptors and Promotes Neurite Outgrowth. Journal of Biological Chemistry, 2003, 278, 24164-24173.	1.6	76
76	Neural Stem/Progenitor Cells Express 20 Tenascin C Isoforms That Are Differentially Regulated by Pax6. Journal of Biological Chemistry, 2007, 282, 9172-9181.	1.6	76
77	Elimination of the four extracellular matrix molecules tenascin-C, tenascin-R, brevican and neurocan alters the ratio of excitatory and inhibitory synapses. Scientific Reports, 2019, 9, 13939.	1.6	75
78	The extracellular matrix molecule tenascin C modulates expression levels and territories of key patterning genes during spinal cord astrocyte specification. Development (Cambridge), 2011, 138, 5321-5331.	1.2	73
79	Isolation and Biochemical Characterization of a Neural Proteoglycan Expressing the L5 Carbohydrate Epitope. Journal of Neurochemistry, 1990, 55, 1494-1506.	2.1	72
80	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. Development (Cambridge), 2001, 128, 2485-96.	1.2	72
81	The novel carbohydrate epitope L3 is shared by some neural cell adhesion molecules.. Journal of Cell Biology, 1987, 104, 1597-1602.	2.3	71
82	Optic Nerve Degeneration after Retinal Ischemia/Reperfusion in a Rodent Model. Frontiers in Cellular Neuroscience, 2017, 11, 254.	1.8	70
83	Tenascin-C in the matrisome of neural stem and progenitor cells. Molecular and Cellular Neurosciences, 2017, 81, 22-31.	1.0	69
84	An analysis of astrocytic cell lines with different abilities to promote axon growth. Brain Research, 1995, 689, 207-223.	1.1	68
85	Regulatory Mechanisms that Mediate Tenascin C-Dependent Inhibition of Oligodendrocyte Precursor Differentiation. Journal of Neuroscience, 2010, 30, 12310-12322.	1.7	68
86	Up-regulation of a Chondroitin Sulphate Epitope during Regeneration of Mouse Sciatic Nerve: Evidence that the Immunoreactive Molecules are Related to the Chondroitin Sulphate Proteoglycans Decorin and Versican. European Journal of Neuroscience, 1995, 7, 792-804.	1.2	66
87	DSD-1-Proteoglycan/Phosphacan and Receptor Protein Tyrosine Phosphatase-Beta Isoforms during Development and Regeneration of Neural Tissues. , 2006, 557, 25-53.		66
88	Focal laser-lesions activate an endogenous population of neural stem/progenitor cells in the adult visual cortex. Brain, 2009, 132, 2252-2264.	3.7	64
89	Cell-type Specificity and Developmental Expression of Neural Cell-surface Components Involved in Cell Interactions and of Structurally Related Molecules. Cold Spring Harbor Symposia on Quantitative Biology, 1983, 48, 557-568.	2.0	64
90	Binding of the J 1 Adhesion Molecules to Extracellular Matrix Constituents. Journal of Neurochemistry, 1990, 54, 1004-1015.	2.1	61

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91	Gliosis and axonal sprouting in the hippocampus of epileptic rats are associated with an increase of tenascin-C immunoreactivity. Journal of Neurocytology, 1995, 24, 611-624.	1.6	60
92	Differential upregulation of extracellular matrix molecules associated with the appearance of granule cell dispersion and mossy fiber sprouting during epileptogenesis in a murine model of temporal lobe epilepsy. Neuroscience, 2004, 129, 309-324.	1.1	60
93	Myelination and behaviour of tenascin-C null transgenic mice. European Journal of Neuroscience, 1999, 11, 3082-3092.	1.2	58
94	Expression of high levels of the extracellular matrix glycoprotein, tenascinâ€€, in the normal adult hypothalamoneurohypophysial system. Journal of Comparative Neurology, 1997, 379, 386-398.	0.9	57
95	The Adult Mouse Subependymal Zone Regenerates Efficiently in the Absence of Tenascin-C. Journal of Neuroscience, 2007, 27, 13991-13996.	1.7	57
96	Biosynthesis and membrane topography of the neural cell adhesion molecule L1. EMBO Journal, 1985, 4, 3105-13.	3.5	57
97	Influence of the extracellular matrix on endogenous and transplanted stem cells after brain damage. Frontiers in Cellular Neuroscience, 2014, 8, 219.	1.8	56
98	Regulation of the neural stem cell compartment by extracellular matrix constituents. Progress in Brain Research, 2014, 214, 3-28.	0.9	56
99	Altered content and distribution of tenascin in colitis, colon adenoma, and colorectal carcinoma. Gastroenterology, 1992, 103, 400-406.	0.6	55
100	Afferent-boundary interactions in the developing neostriatal mosaic. Developmental Brain Research, 1992, 65, 259-267.	2.1	53
101	Lowâ€€density lipoprotein receptorâ€€related protein 1 is a novel modulator of radial glia stem cell proliferation, survival, and differentiation. Glia, 2016, 64, 1363-1380.	2.5	53
102	Helional-induced activation of human olfactory receptor 2J3 promotes apoptosis and inhibits proliferation in a non-small-cell lung cancer cell line. European Journal of Cell Biology, 2017, 96, 34-46.	1.6	53
103	Tenascins in CNS lesions. Seminars in Cell and Developmental Biology, 2019, 89, 118-124.	2.3	52
104	Simultaneous Complement Response via Lectin Pathway in Retina and Optic Nerve in an Experimental Autoimmune Glaucoma Model. Frontiers in Cellular Neuroscience, 2016, 10, 140.	1.8	50
105	Tenascin-C is expressed by human glioma in vivo and shows a strong association with tumor blood vessels. Cell and Tissue Research, 2013, 354, 409-430.	1.5	49
106	Tenascins in Retinal and Optic Nerve Neurodegeneration. Frontiers in Integrative Neuroscience, 2017, 11, 30.	1.0	49
107	Tenascin glycoproteins and the complementary ligand DSD-1-PG/ phosphacan--structuring the neural extracellular matrix during development and repair. Restorative Neurology and Neuroscience, 2001, 19, 51-64.	0.4	49
108	Two Monoclonal Antibodies Recognizing Carbohydrate Epitopes on Neural Adhesion Molecules Interfere with Cell Interactions. European Journal of Neuroscience, 1990, 2, 153-161.	1.2	48

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109	Detection of tenascin-C isoforms in colorectal mucosa, ulcerative colitis, carcinomas and liver metastases. International Journal of Cancer, 1999, 82, 477-483.	2.3	48
110	Glial tumor cell adhesion is mediated by binding of the FNIII domain of receptor protein tyrosine phosphatase Î² (RPTPÎ²) to tenascin C. Oncogene, 2001, 20, 609-618.	2.6	48
111	Low Density Receptor-Related Protein 1 Interactions With the Extracellular Matrix: More Than Meets the Eye. Frontiers in Cell and Developmental Biology, 2019, 7, 31.	1.8	48
112	Functionalization of Electrospun Poly(Îµ-Caprolactone) Fibers with the Extracellular Matrix-Derived Peptide GRGDS Improves Guidance of Schwann Cell Migration and Axonal Growth. Tissue Engineering - Part A, 2011, 17, 475-486.	1.6	47
113	Structurally Distinct LewisX Glycans Distinguish Subpopulations of Neural Stem/Progenitor Cells. Journal of Biological Chemistry, 2011, 286, 16321-16331.	1.6	46
114	Extracellular matrix remodeling during retinal development. Experimental Eye Research, 2015, 133, 132-140.	1.2	46
115	Hippocampal loss of tenascin boundaries in Ammon's horn sclerosis. , 1997, 19, 35-46.		45
116	An Induction Gene Trap Screen in Neural Stem Cells Reveals an Instructive Function of the Niche and Identifies the Splicing Regulator Sam68 as a Tenascin-C-Regulated Target Gene. Stem Cells, 2008, 26, 2321-2331.	1.4	45
117	Polyclonal antibodies against NCAM and tenascin delay endplate reinnervation. Journal of Neurocytology, 1994, 23, 591-604.	1.6	44
118	Analysis of combinatorial variability reveals selective accumulation of the fibronectin type III domains B and D of tenascin-C in injured brain. Experimental Neurology, 2010, 225, 60-73.	2.0	44
119	Differential expression of tenascin after denervation, damage or paralysis of mouse soleus muscle. Journal of Neurocytology, 1993, 22, 955-965.	1.6	43
120	Early remodelling of the extracellular matrix proteins tenascinâ€C and phosphacan in retina and optic nerve of an experimental autoimmune glaucoma model. Journal of Cellular and Molecular Medicine, 2016, 20, 2122-2137.	1.6	43
121	THE PROTEOGLYCAN DSDâ€1â€PG OCCURS IN PERINEURONAL NETS AROUND PARVALBUMINâ€IMMUNOREACTIVE INTERNEURONS OF THE RAT CEREBRAL CORTEX. International Journal of Developmental Neuroscience, 1996, 14, 249-255.	0.7	42
122	An inhibitor of neurite outgrowth produced by astrocytes. Journal of Cell Science, 1994, 107 (Pt 6), 1687-95.	1.2	42
123	Neural ECM and synaptogenesis. Progress in Brain Research, 2014, 214, 29-51.	0.9	41
124	S100B immunization triggers NFÎºB and complement activation in an autoimmune glaucoma model. Scientific Reports, 2018, 8, 9821.	1.6	41
125	Demonstration of immunochemical identity between the nerve growth factor-inducible large external (NILE) glycoprotein and the cell adhesion molecule L1. EMBO Journal, 1985, 4, 2765-8.	3.5	41
126	Ischemic injury leads to extracellular matrix alterations in retina and optic nerve. Scientific Reports, 2017, 7, 43470.	1.6	39

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127	Role of immune responses for extracellular matrix remodeling in the ischemic brain. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641881809.	1.5	39
128	In vitro analysis of neurite outgrowth indicate a potential role for tenascin-like molecules in the development of insect olfactory glomeruli. Journal of Neurobiology, 1994, 25, 989-1004.	3.7	38
129	Significance of tenascin serum level as tumor marker in primary colorectal carcinoma. International Journal of Cancer, 1995, 64, 65-69.	2.3	38
130	Structural and Functional Analysis of Chondroitin Sulfate Proteoglycans in the Neural Stem Cell Niche. Methods in Enzymology, 2010, 479, 37-71.	0.4	38
131	The Lecticans of Mammalian Brain Perineural Net Are O-Mannosylated. Journal of Proteome Research, 2013, 12, 1764-1771.	1.8	38
132	Serum tenascin-C is an indicator of inflammatory bowel disease activity. International Journal of Colorectal Disease, 2001, 16, 285-291.	1.0	37
133	Astrocytes are crucial for survival and maturation of embryonic hippocampal neurons in a neuronâ€glia cellâ€insert coculture assay. Synapse, 2011, 65, 41-53.	0.6	37
134	Spatiotemporal pattern of expression of tenascin-like molecules in a developing insect olfactory system. Journal of Neurobiology, 1994, 25, 515-534.	3.7	36
135	A new indirect co-culture set up of mouse hippocampal neurons and cortical astrocytes on microelectrode arrays. Journal of Neuroscience Methods, 2012, 204, 262-272.	1.3	36
136	A LewisX Glycoprotein Screen Identifies the Low Density Lipoprotein Receptor-related Protein 1 (LRP1) as a Modulator of Oligodendrogenesis in Mice. Journal of Biological Chemistry, 2013, 288, 16538-16545.	1.6	36
137	Regulation of oligodendrocyte precursor maintenance by chondroitin sulphate glycosaminoglycans. Glia, 2016, 64, 270-286.	2.5	36
138	Tenascin C regulates multiple microglial functions involving TLR4 signaling and HDAC1. Brain, Behavior, and Immunity, 2019, 81, 470-483.	2.0	36
139	Increased axon regeneration in astrocytes grown in the presence of proteoglycan synthesis inhibitors. Journal of Cell Science, 1995, 108 (Pt 3), 1307-15.	1.2	36
140	7,8-Dihydroxyflavone leads to survival of cultured embryonic motoneurons by activating intracellular signaling pathways. Molecular and Cellular Neurosciences, 2013, 56, 18-28.	1.0	35
141	The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2. EMBO Journal, 1984, 3, 733-7.	3.5	34
142	Monoclonal antibody detects carbohydrate microheterogeneity on the murine cell adhesion molecule L1. Neuroscience Letters, 1987, 83, 327-332.	1.0	31
143	The laser lesion of the mouse visual cortex as a model to study neural extracellular matrix remodeling during degeneration, regeneration and plasticity of the CNS. Cell and Tissue Research, 2012, 349, 133-145.	1.5	31
144	Growth and degeneration of axons on astrocyte surfaces: Effects on extracellular matrix and on later axonal growth. Glia, 1993, 9, 248-259.	2.5	30

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145	Differential expression of phosphacan/RPTPÎ² isoforms in the developing mouse visual system. Journal of Comparative Neurology, 2007, 504, 659-679.	0.9	30
146	Receptor protein tyrosine phosphatases are expressed by cycling retinal progenitor cells and involved in neuronal development of mouse retina. Neuroscience, 2008, 152, 618-645.	1.1	30
147	LewisX: A neural stem cell specific glycan?. International Journal of Biochemistry and Cell Biology, 2012, 44, 830-833.	1.2	29
148	Integrin activation or alpha9 expression allows retinal pigmented epithelial cell adhesion on Bruchâ€™s membrane in wet age-related macular degeneration. Brain, 2010, 133, 448-464.	3.7	28
149	The role of extracellular matrix in spinal cord development. Experimental Neurology, 2015, 274, 90-99.	2.0	28
150	GLIAL CELL INTERACTIONS WITH TENASCINâ€C: ADHESION AND REPULSION TO DIFFERENT TENASCINâ€C DOMAINS IS CELL TYPE RELATED. International Journal of Developmental Neuroscience, 1996, 14, 315-329.	0.7	27
151	Expression of DSD-1-PG in primary neural and glial-derived cell line cultures, upregulation by TGF-?, and implications for cell-substrate interactions of the glial cell line Oli-neu. , 1998, 23, 99-119.		27
152	Pharmacological Suppression of CNS Scarring by Deferoxamine Reduces Lesion Volume and Increases Regeneration in an In Vitro Model for Astroglial-Fibrotic Scarring and in Rat Spinal Cord Injury In Vivo. PLoS ONE, 2015, 10, e0134371.	1.1	27
153	Topological remodeling of cortical perineuronal nets in focal cerebral ischemia and mild hypoperfusion. Matrix Biology, 2018, 74, 121-132.	1.5	27
154	Immunomodulatory role of the extracellular matrix protein tenascin-C in neuroinflammation. Biochemical Society Transactions, 2019, 47, 1651-1660.	1.6	27
155	Synapse formation and synaptic activity in mammalian nerve-muscle co-culture are not inhibited by antibodies to neural cell adhesion molecule L1. Neuroscience Letters, 1984, 44, 235-239.	1.0	26
156	Tenascin-C stimulates contactin-dependent neurite outgrowth via activation of phospholipase C. Molecular and Cellular Neurosciences, 2009, 41, 397-408.	1.0	26
157	Protective effects on the retina after ranibizumab treatment in an ischemia model. PLoS ONE, 2017, 12, e0182407.	1.1	26
158	Neuronâ€”Glial interactions during the in vivo and in vitro development of the nigrostriatal circuit. Journal of Chemical Neuroanatomy, 1993, 6, 179-189.	1.0	25
159	The glia-derived extracellular matrix glycoprotein tenascin-C promotes embryonic and postnatal retina axon outgrowth via the alternatively spliced fibronectin type III domain TNfnD. Neuron Glia Biology, 2008, 4, 271-283.	2.0	25
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