

Andreas Faissner

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251
papers

14,384
citations

68
h-index

112
g-index

273
ext. papers

15,739
ext. citations

6.3
avg, IF

6.32
L-index

#	Paper	IF	Citations
251	Neural cell adhesion molecules and myelin-associated glycoprotein share a common carbohydrate moiety recognized by monoclonal antibodies L2 and HNK-1. <i>Nature</i> , 1984 , 311, 153-5	50.4	683
250	The J1 glycoprotein--a novel nervous system cell adhesion molecule of the L2/HNK-1 family. <i>Nature</i> , 1985 , 316, 146-8	50.4	557
249	Differential inhibition of neurone-neurone, neurone-astrocyte and astrocyte-astrocyte adhesion by L1, L2 and N-CAM antibodies. <i>Nature</i> , 1985 , 316, 728-30	50.4	484
248	J1/tenascin is a repulsive substrate for central nervous system neurons. <i>Neuron</i> , 1990 , 5, 627-37	13.9	345
247	Isolation of a neural chondroitin sulfate proteoglycan with neurite outgrowth promoting properties. <i>Journal of Cell Biology</i> , 1994 , 126, 783-99	7.3	329
246	J1/tenascin in substrate-bound and soluble form displays contrary effects on neurite outgrowth. <i>Journal of Cell Biology</i> , 1991 , 113, 1159-71	7.3	250
245	Generation of an environmental niche for neural stem cell development by the extracellular matrix molecule tenascin C. <i>Development (Cambridge)</i> , 2004 , 131, 3423-32	6.6	249
244	Expression of tenascin in the developing and adult cerebellar cortex. <i>Journal of Neuroscience</i> , 1992 , 12, 736-49	6.6	240
243	Boundaries defined by adhesion molecules during development of the cerebral cortex: the J1/tenascin glycoprotein in the mouse somatosensory cortical barrel field. <i>Developmental Biology</i> , 1989 , 131, 243-60	3.1	239
242	Enhanced expression of the developmentally regulated extracellular matrix molecule tenascin following adult brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 2634-8	11.5	238
241	Comparing astrocytic cell lines that are inhibitory or permissive for axon growth: the major axon-inhibitory proteoglycan is NG2. <i>Journal of Neuroscience</i> , 1999 , 19, 8778-88	6.6	228
240	Cell and molecular analysis of the developing and adult mouse subventricular zone of the cerebral hemispheres. <i>Journal of Comparative Neurology</i> , 1995 , 361, 249-66	3.4	214
239	Tau binds to the distal axon early in development of polarity in a microtubule- and microfilament-dependent manner. <i>Journal of Neuroscience</i> , 1996 , 16, 5583-92	6.6	188
238	Tenascin promotes cerebellar granule cell migration and neurite outgrowth by different domains in the fibronectin type III repeats. <i>Journal of Cell Biology</i> , 1992 , 116, 1475-86	7.3	184
237	The time course of loss of dopaminergic neurons and the gliotic reaction surrounding grafts of embryonic mesencephalon to the striatum. <i>Experimental Neurology</i> , 1996 , 141, 79-93	5.7	167
236	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. <i>Development (Cambridge)</i> , 2001 , 128, 2485-2496	6.6	166
235	Contributions of astrocytes to synapse formation and maturation - Potential functions of the perisynaptic extracellular matrix. <i>Brain Research Reviews</i> , 2010 , 63, 26-38		156

234	The DSD-1 carbohydrate epitope depends on sulfation, correlates with chondroitin sulfate D motifs, and is sufficient to promote neurite outgrowth. <i>Journal of Biological Chemistry</i> , 1998 , 273, 28444-54	5.4	156
233	An inhibitor of neurite outgrowth produced by astrocytes. <i>Journal of Cell Science</i> , 1994 , 107, 1687-1695	5.3	156
232	Chondroitin sulfate glycosaminoglycans control proliferation, radial glia cell differentiation and neurogenesis in neural stem/progenitor cells. <i>Development (Cambridge)</i> , 2007 , 134, 2727-38	6.6	150
231	DSD-1-proteoglycan is the mouse homolog of phosphacan and displays opposing effects on neurite outgrowth dependent on neuronal lineage. <i>Journal of Neuroscience</i> , 1999 , 19, 3888-99	6.6	150
230	The structure and function of tenascins in the nervous system. <i>Matrix Biology</i> , 2001 , 20, 13-22	11.4	149
229	Boundaries and inhibitory molecules in developing neural tissues. <i>Glia</i> , 1995 , 13, 233-54	9	149
228	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. <i>Cell</i> , 2020 , 180, 1067-1080.e16	56.2	146
227	Enhanced expression of the extracellular matrix molecule J1/tenascin in the regenerating adult mouse sciatic nerve. <i>Journal of Neurocytology</i> , 1990 , 19, 601-16		146
226	Astrocytes as a source for extracellular matrix molecules and cytokines. <i>Frontiers in Pharmacology</i> , 2012 , 3, 120	5.6	140
225	Tenascin-C contains distinct adhesive, anti-adhesive, and neurite outgrowth promoting sites for neurons. <i>Journal of Cell Biology</i> , 1996 , 132, 681-99	7.3	133
224	Characteristic hexasaccharide sequences in octasaccharides derived from shark cartilage chondroitin sulfate D with a neurite outgrowth promoting activity. <i>Journal of Biological Chemistry</i> , 1998 , 273, 3296-307	5.4	126
223	The tenascin gene family in axon growth and guidance. <i>Cell and Tissue Research</i> , 1997 , 290, 331-41	4.2	125
222	Long-term changes in the molecular composition of the glial scar and progressive increase of serotonergic fibre sprouting after hemisection of the mouse spinal cord. <i>European Journal of Neuroscience</i> , 2004 , 20, 1161-76	3.5	121
221	Alpha9 integrin promotes neurite outgrowth on tenascin-C and enhances sensory axon regeneration. <i>Journal of Neuroscience</i> , 2009 , 29, 5546-57	6.6	118
220	Biosynthesis and membrane topography of the neural cell adhesion molecule L1.. <i>EMBO Journal</i> , 1985 , 4, 3105-3113	13	113
219	Chondroitin sulfate E promotes neurite outgrowth of rat embryonic day 18 hippocampal neurons. <i>Neuroscience Letters</i> , 1999 , 269, 125-8	3.3	112
218	Tenascin knockout mice: barrels, boundary molecules, and glial scars. <i>Journal of Neuroscience</i> , 1995 , 15, 1971-83	6.6	111
217	The high-molecular-weight J1 glycoproteins are immunochemically related to tenascin. <i>Differentiation</i> , 1988 , 37, 104-14	3.5	111

216	The unique 473HD-Chondroitinsulfate epitope is expressed by radial glia and involved in neural precursor cell proliferation. <i>Journal of Neuroscience</i> , 2006 , 26, 4082-94	6.6	110
215	Cell and matrix specialisations of rhombomere boundaries. <i>Developmental Dynamics</i> , 1995 , 204, 301-15	2.9	108
214	Boundaries during normal and abnormal brain development: in vivo and in vitro studies of glia and glycoconjugates. <i>Experimental Neurology</i> , 1990 , 109, 35-56	5.7	106
213	Oversulfated dermatan sulfate exhibits neurite outgrowth-promoting activity toward embryonic mouse hippocampal neurons: implications of dermatan sulfate in neuritogenesis in the brain. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43744-54	5.4	103
212	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. <i>Glycobiology</i> , 2005 , 15, 593-603	5.8	103
211	Expression of neural cell adhesion molecule L1 during development, in neurological mutants and in the peripheral nervous system. <i>Developmental Brain Research</i> , 1984 , 317, 69-82		103
210	Increased axon regeneration in astrocytes grown in the presence of proteoglycan synthesis inhibitors. <i>Journal of Cell Science</i> , 1995 , 108, 1307-1315	5.3	103
209	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. <i>Journal of Neuroscience</i> , 2002 , 22, 6596-609	6.6	101
208	Tenascin demarcates the boundary between the myelinated and nonmyelinated part of retinal ganglion cell axons in the developing and adult mouse. <i>Journal of Neuroscience</i> , 1994 , 14, 4756-68	6.6	96
207	Demonstration of immunochemical identity between the nerve growth factor-inducible large external (NILE) glycoprotein and the cell adhesion molecule L1.. <i>EMBO Journal</i> , 1985 , 4, 2765-2768	13	95
206	Chondroitin sulfate proteoglycans regulate astrocyte-dependent synaptogenesis and modulate synaptic activity in primary embryonic hippocampal neurons. <i>European Journal of Neuroscience</i> , 2011 , 33, 2187-202	3.5	93
205	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. <i>Stem Cells</i> , 2010 , 28, 775-87	5.8	93
204	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. <i>Stem Cells</i> , 2008 , 26, 798-809	5.8	92
203	Primary hippocampal neurons, which lack four crucial extracellular matrix molecules, display abnormalities of synaptic structure and function and severe deficits in perineuronal net formation. <i>Journal of Neuroscience</i> , 2013 , 33, 7742-55	6.6	91
202	Retention of J1/tenascin and the polysialylated form of the neural cell adhesion molecule (N-CAM) in the adult olfactory bulb. <i>Journal of Neurocytology</i> , 1990 , 19, 899-914		88
201	Neuron-Glia Interactions in Neural Plasticity: Contributions of Neural Extracellular Matrix and Perineuronal Nets. <i>Neural Plasticity</i> , 2016 , 2016, 5214961	3.3	86
200	Biochemical characterization of different molecular forms of the neural cell adhesion molecule L1. <i>Journal of Neurochemistry</i> , 1988 , 50, 510-21	6	85
199	Focal brain injury and upregulation of a developmentally regulated extracellular matrix protein. <i>Journal of Neurosurgery</i> , 1995 , 82, 106-12	3.2	84

198	Conditional deletion of beta1-integrin in astroglia causes partial reactive gliosis. <i>Glia</i> , 2009 , 57, 1630-47	9	83
197	Up-regulation of astrocyte-derived tenascin-C correlates with neurite outgrowth in the rat dentate gyrus after unilateral entorhinal cortex lesion. <i>Neuroscience</i> , 1997 , 81, 829-46	3.9	82
196	Tenascin-C inhibits oligodendrocyte precursor cell migration by both adhesion-dependent and adhesion-independent mechanisms. <i>Molecular and Cellular Neurosciences</i> , 1996 , 7, 322-35	4.8	82
195	The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2.. <i>EMBO Journal</i> , 1984 , 3, 733-737	13	82
194	IMMU-21. GLIOBLASTOMA CELLS EXPORT TENASCIN-C VIA MICROVESICLES TO SUPPRESS T CELL RESPONSES. <i>Neuro-Oncology</i> , 2017 , 19, vi117-vi117	1	78
193	Chondroitin sulfate "wobble motifs" modulate maintenance and differentiation of neural stem cells and their progeny. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2935-42	5.4	76
192	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. <i>European Journal of Neuroscience</i> , 2004 , 20, 2524-40	3.5	76
191	The extracellular matrix compartment of neural stem and glial progenitor cells. <i>Glia</i> , 2015 , 63, 1330-49	9	75
190	Heparin-binding growth factor, pleiotrophin, mediates neuritogenic activity of embryonic pig brain-derived chondroitin sulfate/dermatan sulfate hybrid chains. <i>Journal of Biological Chemistry</i> , 2005 , 280, 9180-91	5.4	75
189	Tenascin-C synthesis and influence on axonal growth during rat cortical development. <i>European Journal of Neuroscience</i> , 1997 , 9, 496-506	3.5	74
188	Regulation of RPTPbeta/phosphacan expression and glycosaminoglycan epitopes in injured brain and cytokine-treated glia. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 951-71	4.8	74
187	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. <i>Development (Cambridge)</i> , 2001 , 128, 2485-96	6.6	72
186	Phosphacan short isoform, a novel non-proteoglycan variant of phosphacan/receptor protein tyrosine phosphatase-beta, interacts with neuronal receptors and promotes neurite outgrowth. <i>Journal of Biological Chemistry</i> , 2003 , 278, 24164-73	5.4	71
185	Neural stem/progenitor cells express 20 tenascin C isoforms that are differentially regulated by Pax6. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9172-81	5.4	70
184	Regulation of oligodendrocyte precursor migration by extracellular matrix: evidence for substrate-specific inhibition of migration by tenascin-C. <i>Developmental Neuroscience</i> , 1996 , 18, 266-73	2.2	70
183	Evidence for combinatorial variability of tenascin-C isoforms and developmental regulation in the mouse central nervous system. <i>Journal of Biological Chemistry</i> , 1999 , 274, 17144-51	5.4	67
182	The novel carbohydrate epitope L3 is shared by some neural cell adhesion molecules. <i>Journal of Cell Biology</i> , 1987 , 104, 1597-602	7.3	67
181	Mapping of a defined neurocan binding site to distinct domains of tenascin-C. <i>Journal of Biological Chemistry</i> , 1997 , 272, 26905-12	5.4	66

180	Role of tenascins in the ECM of gliomas. <i>Cell Adhesion and Migration</i> , 2015 , 9, 131-40	3.2	65
179	An analysis of astrocytic cell lines with different abilities to promote axon growth. <i>Brain Research</i> , 1995 , 689, 207-23	3.7	65
178	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		65
177	Tenascin C and tenascin R similarly prevent the formation of myelin membranes in a RhoA-dependent manner, but antagonistically regulate the expression of myelin basic protein via a separate pathway. <i>Glia</i> , 2009 , 57, 1790-801	9	64
176	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. <i>European Journal of Neuroscience</i> , 1995 , 7, 792-804	3.5	64
175	3D visualization and quantification of microvessels in the whole ischemic mouse brain using solvent-based clearing and light sheet microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3355-3367	7.3	63
174	DSD-1-Proteoglycan/Phosphacan and receptor protein tyrosine phosphatase-beta isoforms during development and regeneration of neural tissues. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 557, 25-53	3.6	61
173	Isolation and biochemical characterization of a neural proteoglycan expressing the L5 carbohydrate epitope. <i>Journal of Neurochemistry</i> , 1990 , 55, 1494-506	6	60
172	The extracellular matrix molecule tenascin C modulates expression levels and territories of key patterning genes during spinal cord astrocyte specification. <i>Development (Cambridge)</i> , 2011 , 138, 5321-31	6.6	57
171	Myelination and behaviour of tenascin-C null transgenic mice. <i>European Journal of Neuroscience</i> , 1999 , 11, 3082-92	3.5	57
170	Gliosis and axonal sprouting in the hippocampus of epileptic rats are associated with an increase of tenascin-C immunoreactivity. <i>Journal of Neurocytology</i> , 1995 , 24, 611-24		55
169	Binding of the J1 adhesion molecules to extracellular matrix constituents. <i>Journal of Neurochemistry</i> , 1990 , 54, 1004-15	6	55
168	Altered content and distribution of tenascin in colitis, colon adenoma, and colorectal carcinoma. <i>Gastroenterology</i> , 1992 , 103, 400-6	13.3	54
167	J1/tenascin-related molecules are not responsible for the segmented pattern of neural crest cells or motor axons in the chick embryo. <i>Development (Cambridge)</i> , 1989 , 107, 309-319	6.6	54
166	The extracellular matrix niche microenvironment of neural and cancer stem cells in the brain. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 174-183	5.6	54
165	Regulatory mechanisms that mediate tenascin C-dependent inhibition of oligodendrocyte precursor differentiation. <i>Journal of Neuroscience</i> , 2010 , 30, 12310-22	6.6	53
164	Expression of high levels of the extracellular matrix glycoprotein, tenascin-C, in the normal adult hypothalamoneurohypophysial system. <i>Journal of Comparative Neurology</i> , 1997 , 379, 386-98	3.4	53
163	Biosynthesis and membrane topography of the neural cell adhesion molecule L1. <i>EMBO Journal</i> , 1985 , 4, 3105-13	13	53

162	The adult mouse subependymal zone regenerates efficiently in the absence of tenascin-C. <i>Journal of Neuroscience</i> , 2007 , 27, 13991-6	6.6	52
161	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. <i>Neuroscience</i> , 2004 , 129, 309-24	3.9	52
160	Focal laser-lesions activate an endogenous population of neural stem/progenitor cells in the adult visual cortex. <i>Brain</i> , 2009 , 132, 2252-64	11.2	51
159	Afferent-boundary interactions in the developing neostriatal mosaic. <i>Developmental Brain Research</i> , 1992 , 65, 259-67		51
158	Cell-type specificity and developmental expression of neural cell-surface components involved in cell interactions and of structurally related molecules. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1983 , 48 Pt 2, 557-68	3.9	47
157	Tenascin glycoproteins and the complementary ligand DSD-1-PG/ phosphacan--structuring the neural extracellular matrix during development and repair. <i>Restorative Neurology and Neuroscience</i> , 2001 , 19, 51-64	2.8	47
156	Optic Nerve Degeneration after Retinal Ischemia/Reperfusion in a Rodent Model. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 254	6.1	46
155	Colocalization of synapse marker proteins evaluated by STED-microscopy reveals patterns of neuronal synapse distribution in vitro. <i>Journal of Neuroscience Methods</i> , 2016 , 273, 149-159	3	45
154	Regulation of the neural stem cell compartment by extracellular matrix constituents. <i>Progress in Brain Research</i> , 2014 , 214, 3-28	2.9	45
153	Polyclonal antibodies against NCAM and tenascin delay endplate reinnervation. <i>Journal of Neurocytology</i> , 1994 , 23, 591-604		44
152	Two Monoclonal Antibodies Recognizing Carbohydrate Epitopes on Neural Adhesion Molecules Interfere with Cell Interactions. <i>European Journal of Neuroscience</i> , 1990 , 2, 153-161	3.5	44
151	Tenascin-C is expressed by human glioma in vivo and shows a strong association with tumor blood vessels. <i>Cell and Tissue Research</i> , 2013 , 354, 409-30	4.2	43
150	Differential expression of tenascin after denervation, damage or paralysis of mouse soleus muscle. <i>Journal of Neurocytology</i> , 1993 , 22, 955-65		43
149	Tenascin-C in the matrisome of neural stem and progenitor cells. <i>Molecular and Cellular Neurosciences</i> , 2017 , 81, 22-31	4.8	42
148	The proteoglycan DSD-1-PG occurs in perineuronal nets around parvalbumin-immunoreactive interneurons of the rat cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 1996 , 14, 249-55	2.7	42
147	Functionalization of electrospun poly(ε-caprolactone) fibers with the extracellular matrix-derived peptide GRGDS improves guidance of schwann cell migration and axonal growth. <i>Tissue Engineering - Part A</i> , 2011 , 17, 475-86	3.9	41
146	An inhibitor of neurite outgrowth produced by astrocytes. <i>Journal of Cell Science</i> , 1994 , 107 (Pt 6), 1687-95	5.5	40
145	Demonstration of immunochemical identity between the nerve growth factor-inducible large external (NILE) glycoprotein and the cell adhesion molecule L1. <i>EMBO Journal</i> , 1985 , 4, 2765-8	13	40

144	Elimination of the four extracellular matrix molecules tenascin-C, tenascin-R, brevican and neurocan alters the ratio of excitatory and inhibitory synapses. <i>Scientific Reports</i> , 2019 , 9, 13939	4.9	39
143	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. <i>Stem Cells</i> , 2008 , 26, 2321-31	5.8	39
142	Hippocampal loss of tenascin boundaries in Ammon's horn sclerosis 1997 , 19, 35-46		38
141	Glial tumor cell adhesion is mediated by binding of the FNIII domain of receptor protein tyrosine phosphatase beta (RPTPbeta) to tenascin C. <i>Oncogene</i> , 2001 , 20, 609-18	9.2	38
140	Detection of tenascin-C isoforms in colorectal mucosa, ulcerative colitis, carcinomas and liver metastases. <i>International Journal of Cancer</i> , 1999 , 82, 477-83	7.5	38
139	In vitro analyses of neurite outgrowth indicate a potential role for tenascin-like molecules in the development of insect olfactory glomeruli. <i>Journal of Neurobiology</i> , 1994 , 25, 989-1004		38
138	Influence of the extracellular matrix on endogenous and transplanted stem cells after brain damage. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 219	6.1	37
137	Increased axon regeneration in astrocytes grown in the presence of proteoglycan synthesis inhibitors. <i>Journal of Cell Science</i> , 1995 , 108 (Pt 3), 1307-15	5.3	36
136	Structurally distinct LewisX glycans distinguish subpopulations of neural stem/progenitor cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 16321-31	5.4	35
135	The lecticans of mammalian brain perineural net are O-mannosylated. <i>Journal of Proteome Research</i> , 2013 , 12, 1764-71	5.6	34
134	Astrocytes are crucial for survival and maturation of embryonic hippocampal neurons in a neuron-glia cell-insert coculture assay. <i>Synapse</i> , 2011 , 65, 41-53	2.4	34
133	Serum tenascin-C is an indicator of inflammatory bowel disease activity. <i>International Journal of Colorectal Disease</i> , 2001 , 16, 285-91	3	34
132	Significance of tenascin serum level as tumor marker in primary colorectal carcinoma. <i>International Journal of Cancer</i> , 1995 , 64, 65-9	7.5	34
131	The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2. <i>EMBO Journal</i> , 1984 , 3, 733-7	13	34
130	Simultaneous Complement Response via Lectin Pathway in Retina and Optic Nerve in an Experimental Autoimmune Glaucoma Model. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 140	6.1	34
129	Spatiotemporal pattern of expression of tenascin-like molecules in a developing insect olfactory system. <i>Journal of Neurobiology</i> , 1994 , 25, 515-34		33
128	Neural ECM and synaptogenesis. <i>Progress in Brain Research</i> , 2014 , 214, 29-51	2.9	32
127	Helional-induced activation of human olfactory receptor 2J3 promotes apoptosis and inhibits proliferation in a non-small-cell lung cancer cell line. <i>European Journal of Cell Biology</i> , 2017 , 96, 34-46	6.1	31

126	Extracellular matrix remodeling during retinal development. <i>Experimental Eye Research</i> , 2015 , 133, 132-407	31
125	7,8-Dihydroxyflavone leads to survival of cultured embryonic motoneurons by activating intracellular signaling pathways. <i>Molecular and Cellular Neurosciences</i> , 2013 , 56, 18-28	4.8 31
124	Structural and functional analysis of chondroitin sulfate proteoglycans in the neural stem cell niche. <i>Methods in Enzymology</i> , 2010 , 479, 37-71	1.7 31
123	A new indirect co-culture set up of mouse hippocampal neurons and cortical astrocytes on microelectrode arrays. <i>Journal of Neuroscience Methods</i> , 2012 , 204, 262-72	3 30
122	Low-density lipoprotein receptor-related protein 1 is a novel modulator of radial glia stem cell proliferation, survival, and differentiation. <i>Glia</i> , 2016 , 64, 1363-80	9 30
121	Monoclonal antibody detects carbohydrate microheterogeneity on the murine cell adhesion molecule L1. <i>Neuroscience Letters</i> , 1987 , 83, 327-32	3.3 29
120	Ischemic injury leads to extracellular matrix alterations in retina and optic nerve. <i>Scientific Reports</i> , 2017 , 7, 43470	4.9 27
119	Analysis of combinatorial variability reveals selective accumulation of the fibronectin type III domains B and D of tenascin-C in injured brain. <i>Experimental Neurology</i> , 2010 , 225, 60-73	5.7 27
118	Early remodelling of the extracellular matrix proteins tenascin-C and phosphacan in retina and optic nerve of an experimental autoimmune glaucoma model. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 2122-2137	5.6 26
117	Differential expression of phosphacan/RPTPbeta isoforms in the developing mouse visual system. <i>Journal of Comparative Neurology</i> , 2007 , 504, 659-79	3.4 26
116	Growth and degeneration of axons on astrocyte surfaces: effects on extracellular matrix and on later axonal growth. <i>Glia</i> , 1993 , 9, 248-59	9 26
115	LewisX: a neural stem cell specific glycan?. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 830-3	5.6 25
114	Expression of DSD-1-PG in primary neural and glial-derived cell line cultures, upregulation by TGF- β and implications for cell-substrate interactions of the glial cell line Oli-neu 1998 , 23, 99-119	25
113	Neuron-glial interactions during the in vivo and in vitro development of the nigrostriatal circuit. <i>Journal of Chemical Neuroanatomy</i> , 1993 , 6, 179-89	3.2 25
112	Tenascins in CNS lesions. <i>Seminars in Cell and Developmental Biology</i> , 2019 , 89, 118-124	7.5 25
111	The role of extracellular matrix in spinal cord development. <i>Experimental Neurology</i> , 2015 , 274, 90-9	5.7 24
110	Regulation of oligodendrocyte precursor maintenance by chondroitin sulphate glycosaminoglycans. <i>Glia</i> , 2016 , 64, 270-86	9 24
109	Tenascin-C stimulates contactin-dependent neurite outgrowth via activation of phospholipase C. <i>Molecular and Cellular Neurosciences</i> , 2009 , 41, 397-408	4.8 24

108	Synapse formation and synaptic activity in mammalian nerve-muscle co-culture are not inhibited by antibodies to neural cell adhesion molecule L1. <i>Neuroscience Letters</i> , 1984 , 44, 235-9	3.3	24
107	Comparative screening of glial cell types reveals extracellular matrix that inhibits retinal axon growth in a chondroitinase ABC-resistant fashion. <i>Glia</i> , 2009 , 57, 1420-38	9	23
106	Normal sulfation levels regulate spinal cord neural precursor cell proliferation and differentiation. <i>Neural Development</i> , 2012 , 7, 20	3.9	22
105	A LewisX glycoprotein screen identifies the low density lipoprotein receptor-related protein 1 (LRP1) as a modulator of oligodendrogenesis in mice. <i>Journal of Biological Chemistry</i> , 2013 , 288, 16538-16545	5.4	22
104	Integrin activation or alpha 9 expression allows retinal pigmented epithelial cell adhesion on Bruch's membrane in wet age-related macular degeneration. <i>Brain</i> , 2010 , 133, 448-64	11.2	22
103	Glial cell interactions with tenascin-C: adhesion and repulsion to different tenascin-C domains is cell type related. <i>International Journal of Developmental Neuroscience</i> , 1996 , 14, 315-29	2.7	22
102	S100B immunization triggers NFB and complement activation in an autoimmune glaucoma model. <i>Scientific Reports</i> , 2018 , 8, 9821	4.9	22
101	Low Density Receptor-Related Protein 1 Interactions With the Extracellular Matrix: More Than Meets the Eye. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 31	5.7	21
100	Tenascin C regulates proliferation and differentiation processes during embryonic retinogenesis and modulates the de-differentiation capacity of Müller glia by influencing growth factor responsiveness and the extracellular matrix compartment. <i>Developmental Biology</i> , 2012 , 369, 163-76	3.1	21
99	The glia-derived extracellular matrix glycoprotein tenascin-C promotes embryonic and postnatal retina axon outgrowth via the alternatively spliced fibronectin type III domain TNfnD. <i>Neuron Glia Biology</i> , 2008 , 4, 271-83		21
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