Andreas Faissner

List of Publications by Year in Descending Order

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	Induced pluripotent stem cell□derived neural stem cells **2022**, 1-17		
250	Cerebral Organoids Maintain the Expression of Neural Stem Cell-Associated Glycoepitopes and Extracellular Matrix.. *Cells*, **2022**, 11,	7.9	1
249	Tenascins Interfere With Remyelination in an Ex Vivo Cerebellar Explant Model of Demyelination.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 819967	5.7	1
248	The extracellular matrix molecule tenascin-C modulates cell cycle progression and motility of adult neural stem/progenitor cells from the subependymal zone.. *Cellular and Molecular Life Sciences*, **2022**, 79, 244	10.3	1
247	Structural and Functional Deviations of the Hippocampus in Schizophrenia and Schizophrenia Animal Models. *International Journal of Molecular Sciences*, **2022**, 23, 5482	6.3	2
246	The Extracellular Matrix Proteins Tenascin-C and Tenascin-R Retard Oligodendrocyte Precursor Maturation and Myelin Regeneration in a Cuprizone-Induced Long-Term Demyelination Animal Model. *Cells*, **2022**, 11, 1773	7.9	1
245	Poly I:C-induced maternal immune challenge reduces perineuronal net area and raises spontaneous network activity of hippocampal neurons in vitro. *European Journal of Neuroscience*, **2021**, 53, 3920-3941	3.5	4
244	Brain volume increase and neuronal plasticity underly predator-induced morphological defense expression in Daphnia longicephala. *Scientific Reports*, **2021**, 11, 12612	4.9	1
243	Inhibitory control in neuronal networks relies on the extracellular matrix integrity. *Cellular and Molecular Life Sciences*, **2021**, 78, 5647-5663	10.3	1
242	Sulfation of Glycosaminoglycans Modulates the Cell Cycle of Embryonic Mouse Spinal Cord Neural Stem Cells. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 643060	5.7	3
241	The expression of tenascin-C in neural stem/progenitor cells is stimulated by the growth factors EGF and FGF-2, but not by TGF□1. *Cell and Tissue Research*, **2021**, 385, 659-674	4.2	1
240	Tenascin-C preserves microglia surveillance and restricts leukocyte and, more specifically, T cell infiltration of the ischemic brain. *Brain, Behavior, and Immunity*, **2021**, 91, 639-648	16.6	14
239	Proteoglycans of the Neural Stem Cell Niche. *Biology of Extracellular Matrix*, **2021**, 179-203	0.6	
238	Poly I:C Activated Microglia Disrupt Perineuronal Nets and Modulate Synaptic Balance in Primary Hippocampal Neurons. *Frontiers in Synaptic Neuroscience*, **2021**, 13, 637549	3.5	4
237	Extracellular Matrix Remodeling in the Retina and Optic Nerve of a Novel Glaucoma Mouse Model. *Biology*, **2021**, 10,	4.9	3
236	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) as a Novel Regulator of Early Astroglial Differentiation. *Frontiers in Cellular Neuroscience*, **2021**, 15, 642521	6.1	2
235	Vav3-Deficient Astrocytes Enhance the Dendritic Development of Hippocampal Neurons in an Indirect Co-culture System.. *Frontiers in Cellular Neuroscience*, **2021**, 15, 817277	6.1	0

234	Expression Changes and Impact of the Extracellular Matrix on Etoposide Resistant Human Retinoblastoma Cell Lines. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
233	Hydrogels Derivatized With Cationic Moieties or Functional Peptides as Efficient Supports for Neural Stem Cells. *Frontiers in Neuroscience*, **2020**, 14, 475	5.1	3
232	Laser Lesion in the Mouse Visual Cortex Induces a Stem Cell Niche-Like Extracellular Matrix, Produced by Immature Astrocytes. *Frontiers in Cellular Neuroscience*, **2020**, 14, 102	6.1	5
231	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. *Cell*, **2020**, 180, 1067-1080.e16	56.2	146
230	Lipoprotein receptor loss in forebrain radial glia results in neurological deficits and severe seizures. *Glia*, **2020**, 68, 2517-2549	9	3
229	Evaluation of Kjell et´al.: Defining the Adult Neural Stem Cell Niche Proteome Identifies Key Regulators of Adult Neurogenesis. *Cell Stem Cell*, **2020**, 26, 127-128	18	0
228	Deletion of the Nucleotide Exchange Factor Vav3 Enhances Axonal Complexity and Synapse Formation but Tampers Activity of Hippocampal Neuronal Networks In Vitro. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
227	Neural Stem Cells and Their Niche. *Learning Materials in Biosciences*, **2020**, 59-75	0.3	
226	Loss of the Extracellular Matrix Molecule Tenascin-C Leads to Absence of Reactive Gliosis and Promotes Anti-inflammatory Cytokine Expression in an Autoimmune Glaucoma Mouse Model. *Frontiers in Immunology*, **2020**, 11, 566279	8.4	7
225	Deletion of LRP1 From Astrocytes Modifies Neuronal Network Activity in an Model of the Tripartite Synapse. *Frontiers in Cellular Neuroscience*, **2020**, 14, 567253	6.1	2
224	Pleiotrophin increases neurite length and number of spiral ganglion neurons in vitro. *Experimental Brain Research*, **2019**, 237, 2983-2993	2.3	7
223	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	4.9	39
222	Detection of Protein Uptake in In Vitro Cultured Astrocytes Exemplified by the Uptake of the Serine Protease, Tissue Plasminogen Activator. *Methods in Molecular Biology*, **2019**, 1938, 203-217	1.4	
221	Transfer of the Experimental Autoimmune Glaucoma Model from Rats to Mice-New Options to Study Glaucoma Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
220	Differential expression patterns of sodium potassium ATPase alpha and beta subunit isoforms in mouse brain during postnatal development. *Neurochemistry International*, **2019**, 128, 163-174	4.4	6
219	The guanine nucleotide exchange factor Vav3 modulates oligodendrocyte precursor differentiation and supports remyelination in white matter lesions. *Glia*, **2019**, 67, 376-392	9	19
218	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	5.7	21
217	The Tenascin-C-Derived Peptide VSWRAPTA Promotes Neuronal Branching Via Transcellular Activation of the Focal Adhesion Kinase (FAK) and the ERK1/2 Signaling Pathway In Vitro. *Molecular Neurobiology*, **2019**, 56, 632-647	6.2	6

216	Tenascin C regulates multiple microglial functions involving TLR4 signaling and HDAC1. *Brain, Behavior, and Immunity*, **2019**, 81, 470-483	16.6	19
215	Immunomodulatory role of the extracellular matrix protein tenascin-C in neuroinflammation. *Biochemical Society Transactions*, **2019**, 47, 1651-1660	5.1	15
214	Conditional Deletion of LRP1 Leads to Progressive Loss of Recombined NG2-Expressing Oligodendrocyte Precursor Cells in a Novel Mouse Model. *Cells*, **2019**, 8,	7.9	5
213	Heterozygous Meg2 Ablation Causes Intraocular Pressure Elevation and Progressive Glaucomatous Neurodegeneration. *Molecular Neurobiology*, **2019**, 56, 4322-4345	6.2	9
212	Tenascins in CNS lesions. *Seminars in Cell and Developmental Biology*, **2019**, 89, 118-124	7.5	25
211	Etoposide Upregulates Survival Favoring Sphingosine-1-Phosphate in Etoposide-Resistant Retinoblastoma Cells. *Pathology and Oncology Research*, **2019**, 25, 391-399	2.6	7
210	Topological remodeling of cortical perineuronal nets in focal cerebral ischemia and mild hypoperfusion. *Matrix Biology*, **2018**, 74, 121-132	11.4	16
209	Cell tracking reveals that the extracellular matrix glycoprotein Tenascin-C modulates cell cycle length and differentiation in neural stem/progenitor cells of the developing mouse spinal cord. *Biology Open*, **2018**, 7,	2.2	9
208	Role of immune responses for extracellular matrix remodeling in the ischemic brain. *Therapeutic Advances in Neurological Disorders*, **2018**, 11, 1756286418818092	6.6	16
207	S100B immunization triggers NFB and complement activation in an autoimmune glaucoma model. *Scientific Reports*, **2018**, 8, 9821	4.9	22
206	Involvement of the guanine nucleotide exchange factor Vav3 in central nervous system development and plasticity. *Biological Chemistry*, **2017**, 398, 663-675	4.5	9
205	Ischemic injury leads to extracellular matrix alterations in retina and optic nerve. *Scientific Reports*, **2017**, 7, 43470	4.9	27
204	Intrinsic cellular and molecular properties of in vivo hippocampal synaptic plasticity are altered in the absence of key synaptic matrix molecules. *Hippocampus*, **2017**, 27, 920-933	3.5	13
203	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	7.3	63
202	Glycoconjugates reveal diversity of human neural stem cells (hNSCs) derived from human induced pluripotent stem cells (hiPSCs). *Cell and Tissue Research*, **2017**, 368, 531-549	4.2	6
201	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	6.1	31
200	The antipsychotic drugs olanzapine and haloperidol modify network connectivity and spontaneous activity of neural networks in vitro. *Scientific Reports*, **2017**, 7, 11609	4.9	14
199	Tenascin-C in the matrisome of neural stem and progenitor cells. *Molecular and Cellular Neurosciences*, **2017**, 81, 22-31	4.8	42

198	The Synergistic Effect of Cationic Moieties and GRGDSF-Peptides in Hydrogels on Neural Stem Cell Behavior. *Macromolecular Bioscience*, **2017**, 17, 1600178	5.5	7
197	Optic Nerve Degeneration after Retinal Ischemia/Reperfusion in a Rodent Model. *Frontiers in Cellular Neuroscience*, **2017**, 11, 254	6.1	46
196	Tenascins in Retinal and Optic Nerve Neurodegeneration. *Frontiers in Integrative Neuroscience*, **2017**, 11, 30	3.2	20
195	IMMU-21. GLIOBLASTOMA CELLS EXPORT TENASCIN-C VIA MICROVESICLES TO SUPPRESS T CELL RESPONSES. *Neuro-Oncology*, **2017**, 19, vi117-vi117	1	78
194	Protective effects on the retina after ranibizumab treatment in an ischemia model. *PLoS ONE*, **2017**, 12, e0182407	3.7	20
193	Early remodelling of the extracellular matrix proteins tenascin-C and phosphacan in retina and optic nerve of an experimental autoimmune glaucoma model. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 2122-2137	5.6	26
192	First and second generation antipsychotics differentially affect structural and functional properties of rat hippocampal neuron synapses. *Neuroscience*, **2016**, 337, 117-130	3.9	10
191	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	3	45
190	The Indirect Neuron-astrocyte Coculture Assay: An In Vitro Set-up for the Detailed Investigation of Neuron-glia Interactions. *Journal of Visualized Experiments*, **2016**,	1.6	18
189	Regulation of oligodendrocyte precursor maintenance by chondroitin sulphate glycosaminoglycans. *Glia*, **2016**, 64, 270-86	9	24
188	The expression pattern and inhibitory influence of Tenascin-C on the growth of spiral ganglion neurons suggest a regulatory role as boundary formation molecule in the postnatal mouse inner ear. *Neuroscience*, **2016**, 319, 46-58	3.9	5
187	Neuron-Glia Interactions in Neural Plasticity: Contributions of Neural Extracellular Matrix and Perineuronal Nets. *Neural Plasticity*, **2016**, 2016, 5214961	3.3	86
186	Simultaneous Complement Response via Lectin Pathway in Retina and Optic Nerve in an Experimental Autoimmune Glaucoma Model. *Frontiers in Cellular Neuroscience*, **2016**, 10, 140	6.1	34
185	Low-density lipoprotein receptor-related protein 1 is a novel modulator of radial glia stem cell proliferation, survival, and differentiation. *Glia*, **2016**, 64, 1363-80	9	30
184	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	5.6	54
183	The guanine nucleotide exchange factor Vav3 regulates differentiation of progenitor cells in the developing mouse retina. *Cell and Tissue Research*, **2015**, 359, 423-440	4.2	12
182	Extracellular Matrix Glycoprotein-Derived Synthetic Peptides Differentially Modulate Glioma and Sarcoma Cell Migration. *Cellular and Molecular Neurobiology*, **2015**, 35, 741-53	4.6	6
181	The extracellular matrix compartment of neural stem and glial progenitor cells. *Glia*, **2015**, 63, 1330-49	9	75

180	Role of tenascins in the ECM of gliomas. *Cell Adhesion and Migration*, **2015**, 9, 131-40	3.2	65
179	The role of extracellular matrix in spinal cord development. *Experimental Neurology*, **2015**, 274, 90-9	5.7	24
178	Extracellular matrix remodeling during retinal development. *Experimental Eye Research*, **2015**, 133, 132-40	3.7	31
177	11. Stem cell biology and applications in neuroscience **2015**, 285-314		
176	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	3.7	18
175	Effects of interferon-beta on neural stem cells and in a mouse model of multiple sclerosis. *Journal of Neuroimmunology*, **2014**, 275, 193-194	3.5	2
174	Influence of the extracellular matrix on endogenous and transplanted stem cells after brain damage. *Frontiers in Cellular Neuroscience*, **2014**, 8, 219	6.1	37
173	Neural ECM and synaptogenesis. *Progress in Brain Research*, **2014**, 214, 29-51	2.9	32
172	Regulation of the neural stem cell compartment by extracellular matrix constituents. *Progress in Brain Research*, **2014**, 214, 3-28	2.9	45
171	Differential expression of micro-heterogeneous LewisX-type glycans in the stem cell compartment of the developing mouse spinal cord. *Neurochemical Research*, **2013**, 38, 1285-94	4.6	12
170	The lecticans of mammalian brain perineural net are O-mannosylated. *Journal of Proteome Research* , **2013**, 12, 1764-71	5.6	34
169	Tenascin-C is expressed by human glioma in vivo and shows a strong association with tumor blood vessels. *Cell and Tissue Research*, **2013**, 354, 409-30	4.2	43
168	7,8-Dihydroxyflavone leads to survival of cultured embryonic motoneurons by activating intracellular signaling pathways. *Molecular and Cellular Neurosciences*, **2013**, 56, 18-28	4.8	31
167	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, 7742-55	6.6	91
166	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	5.4	22
165	Undifferentiated embryonic stem cells express ionotropic glutamate receptor mRNAs. *Frontiers in Cellular Neuroscience*, **2013**, 7, 241	6.1	4
164	A new indirect co-culture set up of mouse hippocampal neurons and cortical astrocytes on microelectrode arrays. *Journal of Neuroscience Methods*, **2012**, 204, 262-72	3	30
163	Existence of tenascin-C isoforms in rat that contain the alternatively spliced AD1 domain are developmentally regulated during hippocampal development. *Cellular and Molecular Neurobiology*, **2012**, 32, 279-87	4.6	11

162	Astrocytes as a source for extracellular matrix molecules and cytokines. *Frontiers in Pharmacology*, **2012**, 3, 120	5.6	140
161	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. *Developmental Biology*, **2012**, 369, 163-76	3.1	21
160	LewisX: a neural stem cell specific glycan?. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 830-3	5.6	25
159	Normal sulfation levels regulate spinal cord neural precursor cell proliferation and differentiation. *Neural Development*, **2012**, 7, 20	3.9	22
158	Analysis of Alternatively Spliced Domains in Multimodular Gene Products - The Extracellular Matrix Glycoprotein Tenascin C **2012**,		2
157	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, 133-45	4.2	19
156	Chondroitin sulfate "wobble motifs" modulate maintenance and differentiation of neural stem cells and their progeny. *Journal of Biological Chemistry*, **2012**, 287, 2935-42	5.4	76
155	Chondroitin sulfate proteoglycans regulate astrocyte-dependent synaptogenesis and modulate synaptic activity in primary embryonic hippocampal neurons. *European Journal of Neuroscience*, **2011**, 33, 2187-202	3.5	93
154	Astrocytes are crucial for survival and maturation of embryonic hippocampal neurons in a neuron-glia cell-insert coculture assay. *Synapse*, **2011**, 65, 41-53	2.4	34
153	Influence of glial-derived matrix molecules, especially chondroitin sulfates, on neurite growth and survival of cultured mouse embryonic motoneurons. *Journal of Neuroscience Research*, **2011**, 89, 127-41	4.4	19
152	Functionalization of electrospun poly(ε-caprolactone) fibers with the extracellular matrix-derived peptide GRGDS improves guidance of schwann cell migration and axonal growth. *Tissue Engineering - Part A*, **2011**, 17, 475-86	3.9	41
151	The extracellular matrix molecule tenascin C modulates expression levels and territories of key patterning genes during spinal cord astrocyte specification. *Development (Cambridge)*, **2011**, 138, 5321-31	6.6	57
150	Structurally distinct LewisX glycans distinguish subpopulations of neural stem/progenitor cells. *Journal of Biological Chemistry*, **2011**, 286, 16321-31	5.4	35
149	Expression of NMDA receptors and Ca2+-impermeable AMPA receptors requires neuronal differentiation and allows discrimination between two different types of neural stem cells. *Cellular Physiology and Biochemistry*, **2010**, 26, 935-46	3.9	15
148	Regulatory mechanisms that mediate tenascin C-dependent inhibition of oligodendrocyte precursor differentiation. *Journal of Neuroscience*, **2010**, 30, 12310-22	6.6	53
147	Integrin activation or alpha 9 expression allows retinal pigmented epithelial cell adhesion on Bruch's membrane in wet age-related macular degeneration. *Brain*, **2010**, 133, 448-64	11.2	22
146	Structural and functional analysis of chondroitin sulfate proteoglycans in the neural stem cell niche. *Methods in Enzymology*, **2010**, 479, 37-71	1.7	31
145	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	5.7	27

144	Contributions of astrocytes to synapse formation and maturation - Potential functions of the perisynaptic extracellular matrix. *Brain Research Reviews*, **2010**, 63, 26-38		156
143	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, 775-87	5.8	93
142	Axon Guidance by Glia **2009**, 1063-1072		1
141	Focal laser-lesions activate an endogenous population of neural stem/progenitor cells in the adult visual cortex. *Brain*, **2009**, 132, 2252-64	11.2	51
140	Alpha9 integrin promotes neurite outgrowth on tenascin-C and enhances sensory axon regeneration. *Journal of Neuroscience*, **2009**, 29, 5546-57	6.6	118
139	Comparative screening of glial cell types reveals extracellular matrix that inhibits retinal axon growth in a chondroitinase ABC-resistant fashion. *Glia*, **2009**, 57, 1420-38	9	23
138	Conditional deletion of beta1-integrin in astroglia causes partial reactive gliosis. *Glia*, **2009**, 57, 1630-47	9	83
137	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. *Glia*, **2009**, 57, 1790-801	9	64
136	Novel conserved oligodendrocyte surface epitope identified by monoclonal antibody 4860. *Cell and Tissue Research*, **2009**, 338, 161-70	4.2	10
135	Differential expression of receptor protein tyrosine phosphatases accompanies the reorganisation of the retina upon laser lesion. *Experimental Brain Research*, **2009**, 198, 37-47	2.3	3
134	Protein tyrosine phosphatases expression during development of mouse superior colliculus. *Experimental Brain Research*, **2009**, 199, 279-97	2.3	7
133	Tenascin-C stimulates contactin-dependent neurite outgrowth via activation of phospholipase C. *Molecular and Cellular Neurosciences*, **2009**, 41, 397-408	4.8	24
132	Im gemachten Nest Struktur und Funktionen neuraler Stammzellnischen. *E-Neuroforum*, **2009**, 15, 44-55		
131	Receptor protein tyrosine phosphatases are expressed by cycling retinal progenitor cells and involved in neuronal development of mouse retina. *Neuroscience*, **2008**, 152, 618-45	3.9	19
130	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, 271-83		21
129	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	5.8	92
128	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, 2321-31	5.8	39
127	Differential expression of phosphacan/RPTPbeta isoforms in the developing mouse visual system. *Journal of Comparative Neurology*, **2007**, 504, 659-79	3.4	26

126	Neural stem/progenitor cells express 20 tenascin C isoforms that are differentially regulated by Pax6. *Journal of Biological Chemistry*, **2007**, 282, 9172-81	5.4	70
125	The adult mouse subependymal zone regenerates efficiently in the absence of tenascin-C. *Journal of Neuroscience*, **2007**, 27, 13991-6	6.6	52
124	Chondroitin sulfate glycosaminoglycans control proliferation, radial glia cell differentiation and neurogenesis in neural stem/progenitor cells. *Development (Cambridge)*, **2007**, 134, 2727-38	6.6	150
123	Evidence for distinct leptomeningeal cell-dependent paracrine and EGF-linked autocrine regulatory pathways for suppression of fibrillar collagens in astrocytes. *Molecular and Cellular Neurosciences*, **2007**, 36, 71-85	4.8	13
122	The unique 473HD-Chondroitinsulfate epitope is expressed by radial glia and involved in neural precursor cell proliferation. *Journal of Neuroscience*, **2006**, 26, 4082-94	6.6	110
121	DSD-1-Proteoglycan/Phosphacan and receptor protein tyrosine phosphatase-beta isoforms during development and regeneration of neural tissues. *Advances in Experimental Medicine and Biology*, **2006**, 557, 25-53	3.6	61
120	Cortical neurons express PSI, a novel isoform of phosphacan/RPTPbeta. *Cell and Tissue Research*, **2005**, 321, 323-33	4.2	16
119	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	5.8	103
118	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, 9180-91	5.4	75
117	Generation of an environmental niche for neural stem cell development by the extracellular matrix molecule tenascin C. *Development (Cambridge)*, **2004**, 131, 3423-32	6.6	249
116	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, 1161-76	3.5	121
115	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, 2524-40	3.5	76
114	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, 309-24	3.9	52
113	Astrocytes in culture express fibrillar collagen. *Glia*, **2003**, 41, 382-92	9	17
112	Regulation of RPTPbeta/phosphacan expression and glycosaminoglycan epitopes in injured brain and cytokine-treated glia. *Molecular and Cellular Neurosciences*, **2003**, 24, 951-71	4.8	74
111	Phosphacan short isoform, a novel non-proteoglycan variant of phosphacan/receptor protein tyrosine phosphatase-beta, interacts with neuronal receptors and promotes neurite outgrowth. *Journal of Biological Chemistry*, **2003**, 278, 24164-73	5.4	71
110	Oversulfated dermatan sulfate exhibits neurite outgrowth-promoting activity toward embryonic mouse hippocampal neurons: implications of dermatan sulfate in neuritogenesis in the brain. *Journal of Biological Chemistry*, **2003**, 278, 43744-54	5.4	103
109	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, 6596-609	6.6	101

108	La tenascine-C : une molécule de la matrice extracellulaire impliquée dans le développement du système nerveux central. *Medecine/Sciences*, **2002**, 18, 982-988		
107	Serum tenascin-C is an indicator of inflammatory bowel disease activity. *International Journal of Colorectal Disease*, **2001**, 16, 285-91	3	34
106	Glial tumor cell adhesion is mediated by binding of the FNIII domain of receptor protein tyrosine phosphatase beta (RPTPbeta) to tenascin C. *Oncogene*, **2001**, 20, 609-18	9.2	38
105	The structure and function of tenascins in the nervous system. *Matrix Biology*, **2001**, 20, 13-22	11.4	149
104	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. *Development (Cambridge)*, **2001**, 128, 2485-2496	6.6	166
103	Knockout mice reveal a contribution of the extracellular matrix molecule tenascin-C to neural precursor proliferation and migration. *Development (Cambridge)*, **2001**, 128, 2485-96	6.6	72
102	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	2.8	47
101	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, 3888-99	6.6	150
100	Comparing astrocytic cell lines that are inhibitory or permissive for axon growth: the major axon-inhibitory proteoglycan is NG2. *Journal of Neuroscience*, **1999**, 19, 8778-88	6.6	228
99	Evidence for combinatorial variability of tenascin-C isoforms and developmental regulation in the mouse central nervous system. *Journal of Biological Chemistry*, **1999**, 274, 17144-51	5.4	67
98	Myelination and behaviour of tenascin-C null transgenic mice. *European Journal of Neuroscience*, **1999**, 11, 3082-92	3.5	57
97	Immunolocalization of tenascin-C in human type II fiber atrophy. *Journal of Molecular Neuroscience*, **1999**, 13, 167-75	3.3	2
96	Detection of tenascin-C isoforms in colorectal mucosa, ulcerative colitis, carcinomas and liver metastases. *International Journal of Cancer*, **1999**, 82, 477-83	7.5	38
95	Chondroitin sulfate E promotes neurite outgrowth of rat embryonic day 18 hippocampal neurons. *Neuroscience Letters*, **1999**, 269, 125-8	3.3	112
94	Detection of tenascin-C isoforms in colorectal mucosa, ulcerative colitis, carcinomas and liver metastases **1999**, 82, 477		3
93	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
92	Mucosal tenascin C content in inflammatory and neoplastic diseases of the large bowel. *Diseases of the Colon and Rectum*, **1998**, 41, 86-92	3.1	14
91	Characteristic hexasaccharide sequences in octasaccharides derived from shark cartilage chondroitin sulfate D with a neurite outgrowth promoting activity. *Journal of Biological Chemistry*, **1998**, 273, 3296-307	5.4	126

90	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, 28444-53	5.4	156
89	Differential interactions of MAP2, tau and MAP5 during axogenesis in culture. *NeuroReport*, **1998**, 9, 1035-40	1.7	17
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