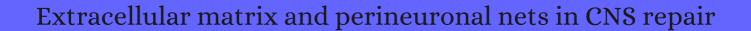
# CITATION REPORT List of articles citing



DOI: 10.1002/dneu.20974 Developmental Neurobiology, 2011, 71, 1073-89.

Source: https://exaly.com/paper-pdf/51506247/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
310	Regulation of axonal outgrowth and pathfinding by integrin-ECM interactions. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 901-23	3.2	143
309	Extracellular matrix and its receptors in Drosophila neural development. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 1102-30	3.2	53
308	Extracellular matrix and matrix receptors in blood-brain barrier formation and stroke. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 1018-39	3.2	231
307	Extracellular matrix molecules, their receptors, and secreted proteases in synaptic plasticity. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 1040-53	3.2	88
306	Casting a net on dendritic spines: the extracellular matrix and its receptors. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 956-81	3.2	49
305	Introduction: the role of extracellular matrix in nervous system development and maintenance. <i>Developmental Neurobiology</i> , <b>2011</b> , 71, 883-8	3.2	16
304	The different roles of aggrecan interaction domains. <b>2012</b> , 60, 987-96		74
303	Demyelination reduces brain parenchymal stiffness quantified in vivo by magnetic resonance elastography. <b>2012</b> , 109, 6650-5		153
302	Scar-mediated inhibition and CSPG receptors in the CNS. <b>2012</b> , 237, 370-8		130
301	The perineuronal net component of the extracellular matrix in plasticity and epilepsy. <b>2012</b> , 61, 963-72		84
300	Effect of unilateral labyrinthectomy on the molecular composition of perineuronal nets in the lateral vestibular nucleus of the rat. <b>2012</b> , 513, 1-5		19
299	Chondroitin sulfate: a key molecule in the brain matrix. <b>2012</b> , 44, 582-6		91
298	Tenascin-R: role in the central nervous system. <b>2012</b> , 44, 1385-9		35
297	Alterations in sulfated chondroitin glycosaminoglycans following controlled cortical impact injury in mice. <b>2012</b> , 520, 3295-313		62
296	Regeneration of Functional Neuronal Connections After Injury in the Central and Peripheral Nervous System. <b>2012</b> ,		1
295	Perisynaptic chondroitin sulfate proteoglycans restrict structural plasticity in an integrin-dependent manner. <b>2012</b> , 32, 18009-17, 18017a		102
294	The subcommissural organ and the development of the posterior commissure. <b>2012</b> , 296, 63-137		18

### (2013-2012)

293	Chondroitin sulfate synthase-2 is necessary for chain extension of chondroitin sulfate but not critical for skeletal development. <b>2012</b> , 7, e43806	24
292	Emerging insights into the molecular and cellular basis of glioblastoma. <b>2012</b> , 26, 756-84	388
291	Extracellular matrix molecules, their receptors, and extracellular proteases as synaptic plasticity modulators. <b>2012</b> , 6, 89-99	5
290	The perineuronal net and the control of CNS plasticity. <b>2012</b> , 349, 147-60	247
289	A rich environmental experience reactivates visual cortex plasticity in aged rats. 2012, 47, 337-41	36
288	A new indirect co-culture set up of mouse hippocampal neurons and cortical astrocytes on microelectrode arrays. <b>2012</b> , 204, 262-72	30
287	Extracellular matrix proteoglycan plays a pivotal role in sensitization by low pH of mechanosensitive currents in nociceptive sensory neurones. <b>2012</b> , 590, 2995-3007	24
286	Combination treatment with anti-Nogo-A and chondroitinase ABC is more effective than single treatments at enhancing functional recovery after spinal cord injury. <b>2013</b> , 38, 2946-61	67
285	Cellular and Molecular Basis of Neural Function. <b>2013</b> , 81-112	
284	Combination treatment with chondroitinase ABC in spinal cord injurybreaking the barrier. <b>2013</b> , 29, 477-83	66
283	Modulation of semaphorin3A in perineuronal nets during structural plasticity in the adult cerebellum. <b>2013</b> , 57, 10-22	43
282	Pathophysiology of the brain extracellular matrix: a new target for remyelination. <b>2013</b> , 14, 722-9	308
281	Targeting the neural extracellular matrix in neurological disorders. <b>2013</b> , 253, 194-213	164
<b>2</b> 80	Depletion of perineuronal nets enhances recognition memory and long-term depression in the perirhinal cortex. <b>2013</b> , 33, 7057-65	137
279	Chondroitin sulfate, a major component of the perineuronal net, elicits inward currents, cell depolarization, and calcium transients by acting on AMPA and kainate receptors of hippocampal neurons. <b>2013</b> , 125, 205-13	15
278	Expression of hyaluronan (hyaluronic acid) in the developing laminar architecture of the human fetal brain. <b>2013</b> , 195, 424-30	7
277	Experience-dependent development of perineuronal nets and chondroitin sulfate proteoglycan receptors in mouse visual cortex. <b>2013</b> , 32, 352-63	88
276	Early-life insults impair parvalbumin interneurons via oxidative stress: reversal by N-acetylcysteine. <b>2013</b> , 73, 574-82	147

275	Using extracellular matrix for regenerative medicine in the spinal cord. <b>2013</b> , 34, 4945-55	67
274	Perineuronal and perisynaptic extracellular matrix in the human spinal cord. <b>2013</b> , 238, 168-84	33
273	Primary hippocampal neurons, which lack four crucial extracellular matrix molecules, display abnormalities of synaptic structure and function and severe deficits in perineuronal net formation. <b>2013</b> , 33, 7742-55	91
272	Glutamate treatment and preconditioning differently affect cathepsin B release and intracellular proteases in primary cultures of cerebellar granular cells. <b>2013</b> , 7, 111-120	1
271	Brain-derived neurotrophic factor signaling rewrites the glucocorticoid transcriptome via glucocorticoid receptor phosphorylation. <b>2013</b> , 33, 3700-14	75
270	Very long-term memories may be stored in the pattern of holes in the perineuronal net. <b>2013</b> , 110, 12456-61	142
269	Regulating critical period plasticity: insight from the visual system to fear circuitry for therapeutic interventions. <b>2013</b> , 4, 146	52
268	Sugar glues for broken neurons. <b>2013</b> , 4, 233-57	18
267	Extracellular matrix inhibits structural and functional plasticity of dendritic spines in the adult visual cortex. <b>2013</b> , 4, 1484	96
266	Perineuronal nets protect fast-spiking interneurons against oxidative stress. <b>2013</b> , 110, 9130-5	291
266 265	Perineuronal nets protect fast-spiking interneurons against oxidative stress. <b>2013</b> , 110, 9130-5  Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. <b>2013</b> , 7, 75-83	291 12
	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. <b>2013</b> , 7, 75-83	
265	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. <b>2013</b> , 7, 75-83	12
265 264	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. 2013, 7, 75-83  Neuromodulatory systems. 2013, 7, 36  Extracellular matrix control of dendritic spine and synapse structure and plasticity in adulthood.	12
<ul><li>265</li><li>264</li><li>263</li></ul>	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. 2013, 7, 75-83  Neuromodulatory systems. 2013, 7, 36  Extracellular matrix control of dendritic spine and synapse structure and plasticity in adulthood. 2014, 8, 116  Influence of the extracellular matrix on endogenous and transplanted stem cells after brain	12 6 58
<ul><li>265</li><li>264</li><li>263</li><li>262</li></ul>	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. 2013, 7, 75-83  Neuromodulatory systems. 2013, 7, 36  Extracellular matrix control of dendritic spine and synapse structure and plasticity in adulthood. 2014, 8, 116  Influence of the extracellular matrix on endogenous and transplanted stem cells after brain damage. 2014, 8, 219	12 6 58 37
<ul><li>265</li><li>264</li><li>263</li><li>262</li><li>261</li></ul>	Molecular mechanisms at the basis of plasticity in the developing visual cortex: epigenetic processes and gene programs. 2013, 7, 75-83  Neuromodulatory systems. 2013, 7, 36  Extracellular matrix control of dendritic spine and synapse structure and plasticity in adulthood. 2014, 8, 116  Influence of the extracellular matrix on endogenous and transplanted stem cells after brain damage. 2014, 8, 219  Shaping inhibition: activity dependent structural plasticity of GABAergic synapses. 2014, 8, 327  A perspective on the role of class III semaphorin signaling in central nervous system trauma. 2014,	12 6 58 37

### (2015-2014)

257	Fluoxetine modulates breast cancer metastasis to the brain in a murine model. <b>2014</b> , 14, 598	14
256	Neural ECM proteases in learning and synaptic plasticity. <b>2014</b> , 214, 135-57	44
255	In vivo modeling of malignant glioma: the road to effective therapy. <b>2014</b> , 121, 261-330	19
254	Extracellular matrices, artificial neural scaffolds and the promise of neural regeneration. <b>2014</b> , 9, 1573-7	23
253	Distribution of extracellular matrix macromolecules in the vestibular nuclei and cerebellum of the frog, Rana esculenta. <b>2014</b> , 258, 162-73	8
252	Reduced cholinergic and glutamatergic synaptic input to regenerated motoneurons after facial nerve repair in rats: potential implications for recovery of motor function. <b>2014</b> , 219, 891-909	18
251	Extracellular matrix assembly: a multiscale deconstruction. <b>2014</b> , 15, 771-85	756
250	Reducing hippocampal extracellular matrix reverses early memory deficits in a mouse model of Alzheimer's disease. <b>2014</b> , 2, 76	43
249	Perineuronal nets and schizophrenia: the importance of neuronal coatings. <b>2014</b> , 45, 85-99	61
248	The rat striatum responds to nigro-striatal degeneration via the increased expression of proteins associated with growth and regeneration of neuronal circuitry. <b>2014</b> , 12, 20	15
247	The fibrotic scar in neurological disorders. <b>2014</b> , 24, 404-13	56
246	The Dynamics of Neuromodulation. <b>2014</b> , 525-538	3
245	Memory deficits in aging and neurological diseases. <b>2014</b> , 122, 1-29	21
244	Is integration and survival of newborn neurons the bottleneck for effective neural repair by endogenous neural precursor cells?. <b>2014</b> , 8, 29	16
243	Fast oscillatory activity in the anterior cingulate cortex: dopaminergic modulation and effect of perineuronal net loss. <b>2014</b> , 8, 244	29
242	Intrathecal delivery of mesenchymal stromal cells protects the structure of altered perineuronal nets in SOD1 rats and amends the course of ALS. <b>2014</b> , 32, 3163-72	57
241	Degradation of extracellular chondroitin sulfate delays recovery of network activity after perturbation. <b>2015</b> , 114, 1346-52	3
240	Cortical reorganization in recent-onset tinnitus patients by the Heidelberg Model of Music Therapy. <b>2015</b> , 9, 49	24

239	Hyaluronan Synthesis, Catabolism, and Signaling in Neurodegenerative Diseases. <b>2015</b> , 2015, 368584	45
238	Increased extracellular clusterin in the prefrontal cortex in schizophrenia. 2015, 169, 381-385	9
237	Losing the sugar coating: potential impact of perineuronal net abnormalities on interneurons in schizophrenia. <b>2015</b> , 167, 18-27	102
236	Perlecan is recruited by dystroglycan to nodes of Ranvier and binds the clustering molecule gliomedin. <b>2015</b> , 208, 313-29	31
235	Molecular mechanisms of scar-sourced axon growth inhibitors. <b>2015</b> , 1619, 22-35	58
234	Astrogliosis and Axonal Regeneration. <b>2015</b> , 181-196	1
233	The extracellular matrix in plasticity and regeneration after CNS injury and neurodegenerative disease. <b>2015</b> , 218, 213-26	100
232	Traumatic brain injury and the neuronal microenvironment: a potential role for neuropathological mechanotransduction. <b>2015</b> , 85, 1177-92	110
231	Mechanisms of Action and Persistent Neuroplasticity by Drugs of Abuse. <b>2015</b> , 67, 872-1004	93
230	The hyaluronan and proteoglycan link proteins: Organizers of the brain extracellular matrix and key molecules for neuronal function and plasticity. <b>2015</b> , 274, 134-44	66
229	Sugar-dependent modulation of neuronal development, regeneration, and plasticity by chondroitin sulfate proteoglycans. <b>2015</b> , 274, 115-25	52
228	"GAG-ing with the neuron": The role of glycosaminoglycan patterning in the central nervous system. <b>2015</b> , 274, 100-14	77
227	Hyaluronic acid and neural stem cells: implications for biomaterial design. 2015, 3, 7850-7866	38
226	Combination therapy of stem cell derived neural progenitors and drug delivery of anti-inhibitory molecules for spinal cord injury. <b>2015</b> , 28, 23-32	55
225	The role of extracellular matrix in spinal cord development. <b>2015</b> , 274, 90-9	24
224	Central nervous system regenerative failure: role of oligodendrocytes, astrocytes, and microglia. <b>2014</b> , 7, a020602	203
223	Perineuronal net digestion with chondroitinase restores memory in mice with tau pathology. <b>2015</b> , 265, 48-58	71
222	Integrity of cortical perineuronal nets influences corticospinal tract plasticity after spinal cord injury. <b>2015</b> , 220, 1077-91	9

# (2016-2015)

221	Activity dependent therapies modulate the spinal changes that motoneurons suffer after a peripheral nerve injury. <b>2015</b> , 263, 293-305	28
220	Role of CSPG receptor LAR phosphatase in restricting axon regeneration after CNS injury. <b>2015</b> , 73, 36-48	38
219	Neuron-Glia Interactions in Neural Plasticity: Contributions of Neural Extracellular Matrix and Perineuronal Nets. <b>2016</b> , 2016, 5214961	86
218	In Sickness and in Health: Perineuronal Nets and Synaptic Plasticity in Psychiatric Disorders. <b>2016</b> , 2016, 9847696	67
217	The Chemorepulsive Protein Semaphorin 3A and Perineuronal Net-Mediated Plasticity. <b>2016</b> , 2016, 3679545	41
216	T Cell Interstitial Migration: Motility Cues from the Inflamed Tissue for Micro- and Macro-Positioning. <b>2016</b> , 7, 428	25
215	Lack of Cdkl5 Disrupts the Organization of Excitatory and Inhibitory Synapses and Parvalbumin Interneurons in the Primary Visual Cortex. <b>2016</b> , 10, 261	37
214	Bioactive Nanomaterials for Neural Engineering. <b>2016</b> , 181-206	1
213	Directing lineage specification of human mesenchymal stem cells by decoupling electrical stimulation and physical patterning on unmodified graphene. <b>2016</b> , 8, 13730-9	31
212	Extracellular matrix protein expression is brain region dependent. <b>2016</b> , 524, 1309-36	65
211	Heterogeneous expression of extracellular matrix molecules in the red nucleus of the rat. <b>2016</b> , 322, 1-17	5
210	Common pitfalls of stem cell differentiation: a guide to improving protocols for neurodegenerative disease models and research. <b>2016</b> , 73, 3693-709	35
209	Effects of Ethanol on Brain Extracellular Matrix: Implications for Alcohol Use Disorder. <b>2016</b> , 40, 2030-2042	32
208	Abolished perineuronal nets and altered parvalbumin-immunoreactivity in the nucleus reticularis thalami of wildtype and 3xTg mice after experimental stroke. <b>2016</b> , 337, 66-87	7
207	Colocalization of synapse marker proteins evaluated by STED-microscopy reveals patterns of neuronal synapse distribution in vitro. <b>2016</b> , 273, 149-159	45
206	Spatial patterns and cell surface clusters in perineuronal nets. <b>2016</b> , 1648, 214-223	7
205	Casting a Wide Net: Role of Perineuronal Nets in Neural Plasticity. <b>2016</b> , 36, 11459-11468	218
204	HB-GAM (pleiotrophin) reverses inhibition of neural regeneration by the CNS extracellular matrix. <b>2016</b> , 6, 33916	28

203	Glycosaminoglycans in Wound Healing. <b>2016</b> , 7, BTRI.S38670	17
202	The Expression of VHL (Von Hippel-Lindau) After Traumatic Spinal Cord Injury and Its Role in Neuronal Apoptosis. <b>2016</b> , 41, 2391-400	4
201	Involvement of cortical fast-spiking parvalbumin-positive basket cells in epilepsy. <b>2016</b> , 226, 81-126	48
200	Looking Inside the Matrix: Perineuronal Nets in Plasticity, Maladaptive Plasticity and Neurological Disorders. <b>2016</b> , 41, 1507-15	29
199	Weaving a Net of Neurobiological Mechanisms in Schizophrenia and Unraveling the Underlying Pathophysiology. <b>2016</b> , 80, 589-98	24
198	Astrocytes and Microglia-Mediated Immune Response in Maladaptive Plasticity is Differently Modulated by NGF in the Ventral Horn of the Spinal Cord Following Peripheral Nerve Injury. <b>2016</b> , 36, 37-46	28
197	Plasticity of Sensorimotor Networks: Multiple Overlapping Mechanisms. 2017, 23, 185-196	9
196	The extracellular matrix glycoprotein tenascin-C and matrix metalloproteinases modify cerebellar structural plasticity by exposure to an enriched environment. <b>2017</b> , 222, 393-415	30
195	The Multimerization State of he Amyloid Anyloid Peptide Governs its Interaction Network with he Extracellular Matrix. <b>2017</b> , 56, 991-1005	12
194	Extracellular matrix inflammation in vascular cognitive impairment and dementia. 2017, 131, 425-437	86
193	Combinatorial Therapies After Spinal Cord Injury: How Can Biomaterials Help?. <b>2017</b> , 6, 1601130	90
192	Scaffolds for 3D in vitro culture of neural lineage cells. <b>2017</b> , 54, 1-20	94
191	Chondroitin sulfates and their binding molecules in the central nervous system. 2017, 34, 363-376	63
190	Distribution and function of hyaluronan binding protein involved in hyaluronan depolymerization (HYBID, KIAA1199) in the mouse central nervous system. <b>2017</b> , 347, 1-10	23
189	Formation and remodeling of the brain extracellular matrix in neural plasticity: Roles of chondroitin sulfate and hyaluronan. <b>2017</b> , 1861, 2420-2434	90
188	Intrinsic cellular and molecular properties of in vivo hippocampal synaptic plasticity are altered in the absence of key synaptic matrix molecules. <b>2017</b> , 27, 920-933	13
187	Molecular Mechanisms of Amyotrophic Lateral Sclerosis. <b>2017</b> , 61-99	3
186	Oxidative stress-driven parvalbumin interneuron impairment as a common mechanism in models of schizophrenia. <b>2017</b> , 22, 936-943	187

# (2018-2017)

185	Trajectory of Parvalbumin Cell Impairment and Loss of Cortical Inhibition in Traumatic Brain Injury. <b>2017</b> , 27, 5509-5524	47
184	Tissue mechanics regulate brain development, homeostasis and disease. <b>2017</b> , 130, 71-82	160
183	Enhancing Spinal Plasticity Amplifies the Benefits of Rehabilitative Training and Improves Recovery from Stroke. <b>2017</b> , 37, 10983-10997	27
182	Antibody recognizing 4-sulfated chondroitin sulfate proteoglycans restores memory in tauopathy-induced neurodegeneration. <b>2017</b> , 59, 197-209	33
181	The antipsychotic drugs olanzapine and haloperidol modify network connectivity and spontaneous activity of neural networks in vitro. <b>2017</b> , 7, 11609	14
180	Postnatal development of GABAergic interneurons and perineuronal nets in mouse temporal cortex subregions. <b>2017</b> , 63, 27-37	5
179	Cerebellar perineuronal nets in cocaine-induced pavlovian memory: Site matters. <b>2017</b> , 125, 166-180	21
178	Matrix Metalloproteinases and Extracellular Matrix in the Central Nervous System. <b>2017</b> , 291-295	1
177	Matrix Metalloproteinases, Neural Extracellular Matrix, and Central Nervous System Pathology. <b>2017</b> , 148, 167-202	23
176	Brain Extracellular Space: The Final Frontier of Neuroscience. 2017, 113, 2133-2142	133
175	Modified acellular nerve-delivering PMSCs improve functional recovery in rats after complete spinal cord transection. <b>2017</b> , 5, 2480-2492	13
174	Extracellular matrix proteomics in schizophrenia and Alzheimer's disease. <b>2017</b> , 409, 379-394	52
173	Damaged Neocortical Perineuronal Nets Due to Experimental Focal Cerebral Ischemia in Mice, Rats and Sheep. <b>2017</b> , 11, 15	27
172	Region- and Cell-Specific Expression of Transmembrane Collagens in Mouse Brain. <b>2017</b> , 11, 20	8
171	Tenascins in Retinal and Optic Nerve Neurodegeneration. 2017, 11, 30	20
170	Comparative regenerative mechanisms across different mammalian tissues. <b>2018</b> , 3, 6	94
169	Harnessing chondroitin sulphate in composite scaffolds to direct progenitor and stem cell function for tissue repair. <b>2018</b> , 6, 947-957	28
168	Diverse functions of protein tyrosine phosphatase (In the nervous and immune systems. <b>2018</b> , 302, 196-204	13

167	The extracellular matrix: Focus on oligodendrocyte biology and targeting CSPGs for remyelination therapies. <b>2018</b> , 66, 1809-1825	29
166	Cerebrospinal fluid markers of extracellular matrix remodelling, synaptic plasticity and neuroinflammation before and after cranial radiotherapy. <b>2018</b> , 284, 211	8
165	Integrins promote axonal regeneration after injury of the nervous system. 2018, 93, 1339-1362	48
164	Early Stage Alterations in CA1 Extracellular Region Proteins Indicate Dysregulation of IL6 and Iron Homeostasis in the 5XFAD Alzheimer's Disease Mouse Model. <b>2018</b> , 61, 1399-1410	15
163	Single-cell transcriptomics of the developing lateral geniculate nucleus reveals insights into circuit assembly and refinement. <b>2018</b> , 115, E1051-E1060	41
162	Glycosaminoglycans in extracellular matrix organisation: are concepts from soft matter physics key to understanding the formation of perineuronal nets?. <b>2018</b> , 50, 65-74	32
161	Trophic modulation of gamma oscillations: The key role of processing protease for Neuregulin-1 and BDNF precursors. <b>2018</b> , 119, 2-10	7
160	The altered expression of perineuronal net elements during neural differentiation. <b>2018</b> , 23, 5	9
159	Changes in resting-state functional connectivity after stroke in a mouse brain lacking extracellular matrix components. <b>2018</b> , 112, 91-105	13
158	Molecular characterization and transcriptional analysis of the female-enriched chondroitin proteoglycan 2 of Toxocara canis. <b>2018</b> , 92, 154-160	3
157	Crosstalk between glia, extracellular matrix and neurons. 2018, 136, 101-108	121
156	Respiratory dysfunction following neonatal sustained hypoxia exposure during a critical window of brain stem extracellular matrix formation. <b>2018</b> , 314, R216-R227	8
155	A deficiency of the link protein Bral2 affects the size of the extracellular space in the thalamus of aged mice. <b>2018</b> , 96, 313-327	12
154	Disruption of perineuronal nets increases the frequency of sharp wave ripple events. <b>2018</b> , 28, 42-52	24
153	The thalamic reticular nucleus in schizophrenia and bipolar disorder: role of parvalbumin-expressing neuron networks and oxidative stress. <b>2018</b> , 23, 2057-2065	67
152	Review: Synthetic scaffolds to control the biochemical, mechanical, and geometrical environment of stem cell-derived brain organoids. <b>2018</b> , 2, 041501	24
151	Distribution of the Extracellular Matrix in the Pararubral Area of the Rat. 2018, 394, 177-188	0
150	MMP-9 inhibitors impair learning in spontaneously hypertensive rats. <b>2018</b> , 13, e0208357	9

149	Synaptic coupling of inner ear sensory cells is controlled by brevican-based extracellular matrix baskets resembling perineuronal nets. <b>2018</b> , 16, 99	15
148	Aggrecan Directs Extracellular Matrix-Mediated Neuronal Plasticity. <b>2018</b> , 38, 10102-10113	57
147	Early disruption of parvalbumin expression and perineuronal nets in the hippocampus of the Tg2576 mouse model of Alzheimer's disease can be rescued by enriched environment. <b>2018</b> , 72, 147-158	25
146	The Effects of Normal Aging on Regional Accumulation of Hyaluronan and Chondroitin Sulfate Proteoglycans in the Mouse Brain. <b>2018</b> , 66, 697-707	17
145	Modulation of Receptor Protein Tyrosine Phosphatase Sigma Increases Chondroitin Sulfate Proteoglycan Degradation through Cathepsin B Secretion to Enhance Axon Outgrowth. <b>2018</b> , 38, 5399-5414	25
144	Proteolytic Remodeling of Perineuronal Nets: Effects on Synaptic Plasticity and Neuronal Population Dynamics. <b>2018</b> , 2018, 5735789	34
143	The extracellular matrix glycoprotein tenascin-X regulates peripheral sensory and motor neurones. <b>2018</b> , 596, 4237-4251	22
142	Extracellular Matrix in Stroke. <b>2018,</b> 121-144	1
141	Chondroitin Sulfate Expression in Perineuronal Nets After Goldfish Spinal Cord Lesion. 2018, 12, 63	4
140	Perineuronal Nets in Spinal Motoneurones: Chondroitin Sulphate Proteoglycan around Alpha Motoneurones. <b>2018</b> , 19,	14
139	Neuroanatomical characterization of perineuronal net components in the human cochlear nucleus and superior olivary complex. <b>2018</b> , 367, 32-47	2
138	Do Perineuronal Net Elements Contribute to Pathophysiology of Spinal Muscular Atrophy? In Vitro and Transcriptomics Insights. <b>2018</b> , 22, 598-606	2
137	The Perineuronal 'Safety' Net? Perineuronal Net Abnormalities in Neurological Disorders. 2018, 11, 270	65
136	Perineuronal Nets in the Deep Cerebellar Nuclei Regulate GABAergic Transmission and Delay Eyeblink Conditioning. <b>2018</b> , 38, 6130-6144	21
135	The Physical and Biochemical Properties of the Extracellular Matrix Regulate Cell Fate. 2018, 130, 1-37	113
134	Glycation-induced modification of tissue-specific ECM proteins: A pathophysiological mechanism in degenerative diseases. <b>2019</b> , 1863, 129411	14
133	Quantitative analysis of chondroitin sulfate disaccharides from human and rodent fixed brain tissue by electrospray ionization-tandem mass spectrometry. <b>2019</b> , 29, 847-860	9
132	The roles of perineuronal nets and the perinodal extracellular matrix in[heuronal function. <b>2019</b> , 20, 451-465	147

131	Successes and Hurdles in Stem Cells Application and Production for Brain Transplantation. <b>2019</b> , 13, 1194	20
130	Elimination of the four extracellular matrix molecules tenascin-C, tenascin-R, brevican and neurocan alters the ratio of excitatory and inhibitory synapses. <b>2019</b> , 9, 13939	39
129	Emerging Roles of Synapse Organizers in the Regulation of Critical Periods. <b>2019</b> , 2019, 1538137	17
128	Perineuronal Net Formation during the Critical Period for Neuronal Maturation in the Hypothalamic Arcuate Nucleus. <b>2019</b> , 1, 212-221	19
127	Roles of hyaluronan in cardiovascular and nervous system disorders. <b>2019</b> , 20, 428-436	7
126	Perineuronal Nets: Plasticity, Protection, and Therapeutic Potential. <b>2019</b> , 42, 458-470	57
125	High-Performance Acellular Tissue Scaffold Combined with Hydrogel Polymers for Regenerative Medicine. <b>2019</b> , 5, 3462-3474	13
124	Apolipoprotein E4, inhibitory network dysfunction, and Alzheimer's disease. <b>2019</b> , 14, 24	64
123	Engineering biomaterials to control the neural differentiation of stem cells. <b>2019</b> , 150, 50-60	8
122	Transcriptional Response and Morphological Features of the Neurovascular Unit and Associated Extracellular Matrix After Experimental Stroke in Mice. <b>2019</b> , 56, 7631-7650	2
121	A high-fat high-sugar diet in adolescent rats impairs social memory and alters chemical markers characteristic of atypical neuroplasticity and parvalbumin interneuron depletion in the medial prefrontal cortex. <b>2019</b> , 10, 1985-1998	23
120	Keratan sulfate (KS)-proteoglycans and neuronal regulation in health and disease: the importance of KS-glycodynamics and interactive capability with neuroregulatory ligands. <b>2019</b> , 149, 170-194	29
119	Deficiency of urokinase-type plasminogen activator and its receptor affects social behavior and increases seizure susceptibility. <b>2019</b> , 151, 67-74	7
118	Role of Noradrenergic Inputs From Locus Coeruleus on Changes Induced on Axotomized Motoneurons by Physical Exercise. <b>2019</b> , 13, 65	2
117	Mesenchymal Stem Cells: A Potential Therapeutic Approach for Amyotrophic Lateral Sclerosis?. <b>2019</b> , 2019, 3675627	27
116	The potential of memory enhancement through modulation of perineuronal nets. <b>2019</b> , 176, 3611-3621	9
115	Quantitative changes in perineuronal nets in development and posttraumatic condition. <b>2019</b> , 50, 203-216	5
114	Upregulation of proteoglycans in the perilesion perimeter in ventral horns after spinal cord injury. <b>2019</b> , 704, 220-228	5

113	Microglia: Brain cells on the move. <b>2019</b> , 178, 101612	45
112	Perineuronal Nets Restrict the Induction of Long-Term Depression in the Mouse Hippocampal CA1 Region. <b>2019</b> , 56, 6436-6450	10
111	Vitamin D in Synaptic Plasticity, Cognitive Function, and Neuropsychiatric Illness. <b>2019</b> , 42, 293-306	40
110	Proteomics, Glycomics, and Glycoproteomics of Matrisome Molecules. <b>2019</b> , 18, 2138-2148	24
109	A novel role for the extracellular matrix glycoprotein-Tenascin-X in gastric function. <b>2019</b> , 597, 1503-1515	9
108	The ontogeny of memory persistence and specificity. <b>2019</b> , 36, 100591	20
107	Distinct roles for hyaluronan in neural stem cell niches and perineuronal nets. <b>2019</b> , 78-79, 272-283	15
106	Dysregulation of Hyaluronan Homeostasis During White Matter Injury. <b>2020</b> , 45, 672-683	6
105	Mimicking the Brain Extracellular Matrix in Vitro: A Review of Current Methodologies and Challenges. <b>2020</b> , 60, 1141-1151	17
104	Distribution and classification of the extracellular matrix in the olfactory bulb. <b>2020</b> , 225, 321-344	4
103	Parenchymal pericytes are not the major contributor of extracellular matrix in the fibrotic scar after stroke in male mice. <b>2020</b> , 98, 826-842	6
102	Molecular signature of extracellular matrix pathology in schizophrenia. <b>2021</b> , 53, 3960-3987	10
101	Acute damage to the blood <b>B</b> rain barrier and perineuronal net integrity in a clinically-relevant rat model of traumatic brain injury. <b>2020</b> , 31, 1167-1174	3
100	Stabilization of microtubules improves cognitive functions and axonal transport of mitochondria in Alzheimer's disease model mice. <b>2020</b> , 96, 223-232	4
99	Phenotypic and gene expression features associated with variation in chronic ethanol consumption in heterogeneous stock collaborative cross mice. <b>2020</b> , 112, 4516-4524	7
98	Micropatterning Decellularized ECM as a Bioactive Surface to Guide Cell Alignment, Proliferation, and Migration. <b>2020</b> , 7,	4
97	Aggrecan modulates the expression and phosphorylation of tau in a novel bigenic TauP301L - Acan mouse model. <b>2021</b> , 53, 3889-3904	1
96	Transplantation of Neural Precursors Derived from Induced Pluripotent Cells Preserve Perineuronal Nets and Stimulate Neural Plasticity in ALS Rats. <b>2020</b> , 21,	5

95	Extracellular Matrix in Neural Plasticity and Regeneration. 2020, 1	9
94	Advances in the Knowledge of the Molecular Biology of Glioblastoma and Its Impact in Patient Diagnosis, Stratification, and Treatment. <b>2020</b> , 7, 1902971	34
93	Neuroregeneration and plasticity: a review of the physiological mechanisms for achieving functional recovery postinjury. <b>2020</b> , 7, 30	11
92	Fine structure analysis of perineuronal nets in the ketamine model of schizophrenia. <b>2021</b> , 53, 3988-4004	7
91	Reorganization of perineuronal nets in the medial Preoptic Area during the reproductive cycle in female rats. <b>2020</b> , 10, 5479	10
90	Involvement of Kallikrein-Related Peptidases in Nervous System Disorders. <b>2020</b> , 14, 166	10
89	Advances in the Signaling Pathways Downstream of Glial-Scar Axon Growth Inhibitors. 2020, 14, 174	12
88	A pericellular hyaluronan matrix is required for the morphological maturation of cortical neurons. <b>2020</b> , 1864, 129679	4
87	Softening of the chronic hemi-section spinal cord injury scar parallels dysregulation of cellular and extracellular matrix content. <b>2020</b> , 110, 103953	0
86	Loss of TNR causes a nonprogressive neurodevelopmental disorder with spasticity and transient opisthotonus. <b>2020</b> , 22, 1061-1068	8
85	Contributions of Chondroitin Sulfate, Keratan Sulfate and N-linked Oligosaccharides to Inhibition of Neurite Outgrowth by Aggrecan. <b>2020</b> , 9,	7
84	Remodeling of the interstitial extracellular matrix in white matter multiple sclerosis lesions: Implications for remyelination (failure). <b>2020</b> , 98, 1370-1397	16
83	Neural Stem Cell Transplantation for Neurodegenerative Diseases. <b>2020</b> , 21,	27
82	Dual roles of astrocytes in plasticity and reconstruction after traumatic brain injury. <b>2020</b> , 18, 62	54
81	BDNF and JNK Signaling Modulate Cortical Interneuron and Perineuronal Net Development: Implications for Schizophrenia-Linked 16p11.2 Duplication Syndrome. <b>2021</b> , 47, 812-826	2
80	Hyaluronan degradation and release of a hyaluronan-aggrecan complex from perineuronal nets in the aged mouse brain. <b>2021</b> , 1865, 129804	4
79	Chronic fluoxetine treatment impairs motivation and reward learning by affecting neuronal plasticity in the central amygdala. <b>2021</b> , 178, 672-688	6
78	Chondroitinase and Antidepressants Promote Plasticity by Releasing TRKB from Dephosphorylating Control of PTPIIn Parvalbumin Neurons. <b>2021</b> , 41, 972-980	12

77	NPY-Y1 receptor signaling controls spatial learning and perineuronal net expression. 2021, 184, 108425	5
76	Hyaluronidase inhibition accelerates functional recovery from stroke in the mouse brain. <b>2021</b> , 157, 781-801	1
75	LAR inhibitory peptide promotes recovery of diaphragm function and multiple forms of respiratory neural circuit plasticity after cervical spinal cord injury. <b>2021</b> , 147, 105153	4
74	Attenuation of the extracellular matrix restores microglial activity during the early stage of amyloidosis. <b>2021</b> , 69, 182-200	7
73	Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K+channels.	
72	Heparan Sulfate in Normal and Cancer Stem Cells of the Brain. <b>2021</b> , 205-236	
71	Proteoglycans of the Neural Stem Cell Niche. <b>2021</b> , 179-203	
70	Review of Design Considerations for Brain-on-a-Chip Models. <b>2021</b> , 12,	7
69	Planet of the AAVs: The Spinal Cord Injury Episode. <b>2021</b> , 9,	1
68	Knock-Out of Tenascin-C Ameliorates Ischemia-Induced Rod-Photoreceptor Degeneration and Retinal Dysfunction. <b>2021</b> , 15, 642176	4
67	One Raft to Guide Them All, and in Axon Regeneration Inhibit Them. <b>2021</b> , 22,	0
66	Fluid Transport in the Brain. <b>2021</b> ,	33
65	Microglial MERTK eliminates phosphatidylserine-displaying inhibitory post-synapses. <b>2021</b> , 40, e107121	7
64	Structural and Functional Modulation of Perineuronal Nets: In Search of Important Players with Highlight on Tenascins. <b>2021</b> , 10,	2
63	Perineuronal Net Dynamics in the Pathophysiology of Epilepsy. <b>2021</b> , 21, 273-281	4
62	Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K channels. <b>2021</b> , 10,	4
61	Progress in mimicking brain microenvironments to understand and treat neurological disorders. <b>2021</b> , 5, 020902	2
60	The role of extracellular matrix alterations in mediating astrocyte damage and pericyte dysfunction in Alzheimer's disease: A comprehensive review. <b>2021</b> ,	5

59	Structural and Functional Remodeling of the Extracellular Matrix during Brain Development and Aging. <b>2021</b> , 33, J79-J84	
58	Structural and Functional Remodeling of the Extracellular Matrix during Brain Development and Aging. <b>2021</b> , 33, E79-E84	
57	Alcohol Dependence in Rats Is Associated with Global Changes in Gene Expression in the Central Amygdala. <b>2021</b> , 11,	3
56	A-Crystallin inhibits optic nerve astrocyte activation induced by oxygen-glucose deprivation in vitro. <b>2021</b> , 278, 119533	O
55	Effects of Early Life Stress on the Developing Basolateral Amygdala-Prefrontal Cortex Circuit: The Emerging Role of Local Inhibition and Perineuronal Nets. <b>2021</b> , 15, 669120	5
54	Extracellular Matrix and Oxidative Stress Following Traumatic Spinal Cord Injury: Physiological and Pathophysiological Roles and Opportunities for Therapeutic Intervention. <b>2021</b> ,	4
53	Lesion-induced changes of brevican expression in the perineuronal net of the superior vestibular nucleus. <b>2022</b> , 17, 649-654	0
52	Targeting inhibitory chondroitin sulphate proteoglycans to promote plasticity after injury. <b>2014</b> , 1162, 127-38	8
51	Perineuronal Nets: A Special Structure in the Central Nervous System Extracellular Matrix. <b>2015</b> , 23-32	4
50	Neuroregenerative Nanotherapeutics. <b>2019</b> , 143-181	1
49	Involvement of Heparan Sulfate and Heparanase in Neural Development and Pathogenesis of Brain Tumors. <b>2020</b> , 1221, 365-403	6
48	Disruption of perineuronal nets increases the frequency of sharp wave ripples.	1
47	Alterations of perineuronal nets in the dorsolateral prefrontal cortex of neuropsychiatric patients. <b>2019</b> , 7, 24	18
46	Global analysis of neuronal phosphoproteome regulation by chondroitin sulfate proteoglycans. <b>2013</b> , 8, e59285	18
45	A critical period for postnatal adaptive plasticity in a model of motor axon miswiring. <b>2015</b> , 10, e0123643	5
44	Intrastriatally Infused Exogenous CDNF Is Endocytosed and Retrogradely Transported to Substantia Nigra. <b>2017</b> , 4,	17
43	Cocaine Exposure Modulates Perineuronal Nets and Synaptic Excitability of Fast-Spiking Interneurons in the Medial Prefrontal Cortex. <b>2018</b> , 5,	33
42	Inhibitory Parvalbumin Basket Cell Activity is Selectively Reduced during Hippocampal Sharp Wave Ripples in a Mouse Model of Familial Alzheimer's Disease. <b>2020</b> , 40, 5116-5136	11

41	Glioblastoma: To Target the Tumor Cell or the Microenvironment?. 315-340	21
40	Brain ageing changes proteoglycan sulfation, rendering perineuronal nets more inhibitory. <b>2017</b> , 9, 1607-1622	64
39	Modification of tenascin-R expression following unilateral labyrinthectomy in rats indicates its possible role in neural plasticity of the vestibular neural circuit. <b>2015</b> , 10, 1463-70	5
38	Inhibition and enhancement of neural regeneration by chondroitin sulfate proteoglycans. <b>2017</b> , 12, 687-691	24
37	Extracellular matrix and biomimetic engineering microenvironment for neuronal differentiation. <b>2020</b> , 15, 573-585	34
36	Neuron Migration and Axon Guidance. 2013,	
35	Nerve Fiber Regeneration in the Central Nervous System of Higher Vertebrates. 2013,	
34	Glycan Structure and Neural Plasticity. <b>2015</b> , 107-126	
33	Matrix Metalloproteinases in Fragile X Syndrome. <b>2017</b> , 301-322	1
32	A high-fat high-sugar diet in adolescent rats impairs social memory and alters chemical markers characteristic of atypical neuroplasticity and GABAergic neurodevelopment in the medial prefrontal cortex.	
31	Visualization of Perineuronal Nets in Central Nervous System Tissue Sections. <b>2020</b> , 2043, 251-260	1
30	Chondroitinase and antidepressants promote plasticity by releasing TRKB from dephosphorylating control of PTPIIn parvalbumin neurons.	O
29	Changes in Brain Matrix Glycan Sulfation Associate With Reactive Gliosis and Motor Coordination in Mice With Head Trauma. <b>2021</b> , 15, 745288	O
28	Changes in Gene and Protein Expression of Metalloproteinase-2 and -9 and Their Inhibitors TIMP2 and TIMP3 in Different Parts of Fluoride-Exposed Rat Brain. <b>2020</b> , 22,	3
27	Inhibitory parvalbumin basket cell activity is selectively reduced during hippocampal sharp wave ripples in a mouse model of familial Alzheimer disease.	
26	Chondroitin sulfate expression around motoneurons changes after complete spinal transection of neonatal rats. <b>2022</b> , 766, 136324	O
25	Emerging Three-Dimensional Integrated Systems for Biomimetic Neural In Vitro Cultures. 2101297	1
24	Oral treatment of 4-methylumbelliferone reduced perineuronal nets and improved recognition memory in mice <b>2022</b> ,	3

23	Enriched Environment Modulates Sharp Wave-Ripple (SPW-R) Activity in Hippocampal Slices <b>2021</b> , 15, 758939	O
22	Tau Protein Modulates Perineuronal Extracellular Matrix Expression in the TauP301L- Mouse Model <b>2022</b> , 12,	
21	Heparin-Binding Growth-Associated Molecule (Pleiotrophin) Affects Sensory Signaling and Selected Motor Functions in Mouse Model of Anatomically Incomplete Cervical Spinal Cord Injury <b>2021</b> , 12, 738800	1
20	Shock-Induced Damage Mechanism of Perineuronal Nets <b>2021</b> , 12,	O
19	Chemoenzymatic Synthesis of Homogeneous Heparan Sulfate and Chondroitin Sulfate Chimeras <b>2022</b> ,	
18	Sleep: The Tip of the Iceberg in the Bidirectional Link Between Alzheimer's Disease and Epilepsy <b>2022</b> , 13, 836292	O
17	Osteopontin/secreted phosphoprotein-1 harnesses glial-, immune-, and neuronal cell ligand-receptor interactions to sense and regulate acute and chronic neuroinflammation 2022,	3
16	Low-Molecular Weight Protamine Overcomes Chondroitin Sulfate Inhibition of Neural Regeneration <b>2022</b> , 10, 865275	
15	The Role and Modulation of Spinal Perineuronal Nets in the Healthy and Injured Spinal Cord. <b>2022</b> , 16,	1
14	Spinal Cord Injury and Loss of Cortical Inhibition. <b>2022</b> , 23, 5622	1
13	The Composition and Cellular Sources of CSPGs in the Glial Scar After Spinal Cord Injury in the Lamprey. 15,	
12	Aberrant perineuronal nets alter spinal circuits, impair motor function, and increase plasticity. <b>2022</b> , 358, 114220	O
11	Treatment of Focal Muscle Stiffness with Hyaluronidase Injections. <b>2022</b> , 263-286	O
10	Perineuronal nets: Cruise from a honeycomb to the safety nets. 2022,	O
9	A glial perspective on the extracellular matrix and perineuronal net remodeling in the central nervous system. 16,	2
8	3D biocomposite culture enhances differentiation of dopamine-like neurons from SH-SY5Y cells: A model for studying Parkinson's disease phenotypes. <b>2022</b> , 290, 121858	1
7	CNS remyelination and inflammation: From basic mechanisms to therapeutic opportunities. <b>2022</b> , 110, 3549-3565	1
6	Reduced expression of perineuronal nets in the normotopic somatosensory cortex of the tish rat. <b>2023</b> , 1800, 148179	O

#### CITATION REPORT

5	Distribution and postnatal development of chondroitin sulfate proteoglycans in the perineuronal nets of cholinergic motoneurons innervating extraocular muscles. <b>2022</b> , 12,	0
4	4-methylumbelliferone enhances neuroplasticity in the central nervous system: potential oral treatment for SCI.	1
3	The Biological Behaviors of Neural Stem Cell Affected by Microenvironment from Host Organotypic Brain Slices under Different Conditions. <b>2023</b> , 24, 4182	O
2	Behavioral regulation by perineuronal nets in the prefrontal cortex of the CNTNAP2 mouse model of autism spectrum disorder. 17,	O
1	Extracellular Matrix Regulation in Physiology and in Brain Disease. 2023, 24, 7049	0