

# Jerry Silver

## List of Publications by Citations

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142  
papers

18,950  
citations

68  
h-index

137  
g-index

147  
ext. papers

20,539  
ext. citations

7.5  
avg, IF

6.85  
L-index

#	Paper	IF	Citations
142	Regeneration beyond the glial scar. <i>Nature Reviews Neuroscience</i> , <b>2004</b> , 5, 146-56	13.5	2298
141	CNS injury, glial scars, and inflammation: Inhibitory extracellular matrices and regeneration failure. <i>Experimental Neurology</i> , <b>2008</b> , 209, 294-301	5.7	742
140	Regeneration of adult axons in white matter tracts of the central nervous system. <i>Nature</i> , <b>1997</b> , 390, 680-3	50.4	696
139	Sulfated proteoglycans in astroglial barriers inhibit neurite outgrowth in vitro. <i>Experimental Neurology</i> , <b>1990</b> , 109, 111-30	5.7	641
138	Robust regeneration of adult sensory axons in degenerating white matter of the adult rat spinal cord. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 5810-22	6.6	525
137	Axonal guidance during development of the great cerebral commissures: descriptive and experimental studies, in vivo, on the role of preformed glial pathways. <i>Journal of Comparative Neurology</i> , <b>1982</b> , 210, 10-29	3.4	513
136	PTPsigma is a receptor for chondroitin sulfate proteoglycan, an inhibitor of neural regeneration. <i>Science</i> , <b>2009</b> , 326, 592-6	33.3	510
135	Cellular and molecular mechanisms of glial scarring and progressive cavitation: in vivo and in vitro analysis of inflammation-induced secondary injury after CNS trauma. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 8182-98	6.6	481
134	Functional regeneration beyond the glial scar. <i>Experimental Neurology</i> , <b>2014</b> , 253, 197-207	5.7	426
133	The role of extracellular matrix in CNS regeneration. <i>Current Opinion in Neurobiology</i> , <b>2007</b> , 17, 120-7	7.6	392
132	Injury-induced proteoglycans inhibit the potential for laminin-mediated axon growth on astrocytic scars. <i>Experimental Neurology</i> , <b>1995</b> , 136, 32-43	5.7	392
131	Pet-1 ETS gene plays a critical role in 5-HT neuron development and is required for normal anxiety-like and aggressive behavior. <i>Neuron</i> , <b>2003</b> , 37, 233-47	13.9	371
130	Guidance of optic axons in vivo by a preformed adhesive pathway on neuroepithelial endfeet. <i>Developmental Biology</i> , <b>1984</b> , 106, 485-99	3.1	357
129	Molecular and cellular characterization of the glial roof plate of the spinal cord and optic tectum: a possible role for a proteoglycan in the development of an axon barrier. <i>Developmental Biology</i> , <b>1990</b> , 138, 359-76	3.1	356
128	Changing role of forebrain astrocytes during development, regenerative failure, and induced regeneration upon transplantation. <i>Journal of Comparative Neurology</i> , <b>1986</b> , 251, 23-43	3.4	338
127	Functional regeneration of respiratory pathways after spinal cord injury. <i>Nature</i> , <b>2011</b> , 475, 196-200	50.4	296
126	A mechanism for the guidance and topographic patterning of retinal ganglion cell axons. <i>Journal of Comparative Neurology</i> , <b>1980</b> , 189, 101-11	3.4	286

125	Modulation of the proteoglycan receptor PTP $\beta$ promotes recovery after spinal cord injury. <i>Nature</i> , <b>2015</b> , 518, 404-8	50.4	280
124	The Biology of Regeneration Failure and Success After Spinal Cord Injury. <i>Physiological Reviews</i> , <b>2018</b> , 98, 881-917	47.9	280
123	Maturation of astrocytes in vitro alters the extent and molecular basis of neurite outgrowth. <i>Developmental Biology</i> , <b>1990</b> , 138, 377-90	3.1	280
122	Combining an autologous peripheral nervous system "bridge" and matrix modification by chondroitinase allows robust, functional regeneration beyond a hemisection lesion of the adult rat spinal cord. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 7405-15	6.6	266
121	Another barrier to regeneration in the CNS: activated macrophages induce extensive retraction of dystrophic axons through direct physical interactions. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 9330-41	6.6	265
120	Chondroitinase ABC digestion of the perineuronal net promotes functional collateral sprouting in the cuneate nucleus after cervical spinal cord injury. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 4406-14	6.6	253
119	Leukocyte common antigen-related phosphatase is a functional receptor for chondroitin sulfate proteoglycan axon growth inhibitors. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 14051-66	6.6	240
118	Activated macrophages and the blood-brain barrier: inflammation after CNS injury leads to increases in putative inhibitory molecules. <i>Experimental Neurology</i> , <b>1997</b> , 148, 587-603	5.7	218
117	Studies on the development and behavior of the dystrophic growth cone, the hallmark of regeneration failure, in an in vitro model of the glial scar and after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 6531-9	6.6	216
116	Cell and molecular analysis of the developing and adult mouse subventricular zone of the cerebral hemispheres. <i>Journal of Comparative Neurology</i> , <b>1995</b> , 361, 249-66	3.4	214
115	Axonal guidance during development of the optic nerve: the role of pigmented epithelia and other extrinsic factors. <i>Journal of Comparative Neurology</i> , <b>1981</b> , 202, 521-38	3.4	209
114	Glial cell extracellular matrix: boundaries for axon growth in development and regeneration. <i>Cell and Tissue Research</i> , <b>1997</b> , 290, 379-84	4.2	206
113	Central nervous system regenerative failure: role of oligodendrocytes, astrocytes, and microglia. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 7, a020602	10.2	203
112	Astrocytes regulate microglial phagocytosis of senile plaque cores of Alzheimer $\beta$ disease. <i>Experimental Neurology</i> , <b>1998</b> , 149, 329-40	5.7	188
111	Studies on the development of the eye cup and optic nerve in normal mice and in mutants with congenital optic nerve aplasia. <i>Developmental Biology</i> , <b>1979</b> , 68, 175-90	3.1	187
110	Is astrocyte laminin involved in axon guidance in the mammalian CNS?. <i>Developmental Biology</i> , <b>1988</b> , 130, 774-85	3.1	185
109	Overcoming macrophage-mediated axonal dieback following CNS injury. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 9967-76	6.6	179
108	Chronic enhancement of the intrinsic growth capacity of sensory neurons combined with the degradation of inhibitory proteoglycans allows functional regeneration of sensory axons through the dorsal root entry zone in the mammalian spinal cord. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 8066-76	6.6	179

107	Immunocytochemical demonstration of early appearing astroglial structures that form boundaries and pathways along axon tracts in the fetal brain. <i>Journal of Comparative Neurology</i> , <b>1993</b> , 328, 415-36	3-4	175
106	Studies on the factors that govern directionality of axonal growth in the embryonic optic nerve and at the chiasm of mice. <i>Journal of Comparative Neurology</i> , <b>1984</b> , 223, 238-51	3-4	174
105	A novel DNA enzyme reduces glycosaminoglycan chains in the glial scar and allows microtransplanted dorsal root ganglia axons to regenerate beyond lesions in the spinal cord. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 1393-7	6.6	161
104	Astrocyte-associated fibronectin is critical for axonal regeneration in adult white matter. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 9282-90	6.6	149
103	Adult NG2+ cells are permissive to neurite outgrowth and stabilize sensory axons during macrophage-induced axonal dieback after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 255-65	6.6	143
102	Increased chondroitin sulfate proteoglycan expression in denervated brainstem targets following spinal cord injury creates a barrier to axonal regeneration overcome by chondroitinase ABC and neurotrophin-3. <i>Experimental Neurology</i> , <b>2008</b> , 209, 426-45	5-7	142
101	High-resolution intravital imaging reveals that blood-derived macrophages but not resident microglia facilitate secondary axonal dieback in traumatic spinal cord injury. <i>Experimental Neurology</i> , <b>2014</b> , 254, 109-20	5-7	139
100	Chondroitin sulfate proteoglycans are associated with the lesions of Alzheimer $\beta$ disease. <i>Experimental Neurology</i> , <b>1993</b> , 121, 149-52	5-7	134
99	Light-induced rescue of breathing after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 11862-70	6.6	130
98	Multipotent adult progenitor cells prevent macrophage-mediated axonal dieback and promote regrowth after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 944-53	6.6	121
97	Studies on cell migration and axon guidance in the developing distal auditory system of the mouse. <i>Journal of Comparative Neurology</i> , <b>1983</b> , 215, 359-69	3-4	118
96	beta-Amyloid of Alzheimer $\beta$ disease induces reactive gliosis that inhibits axonal outgrowth. <i>Experimental Neurology</i> , <b>1993</b> , 124, 289-98	5-7	113
95	The extracellular matrix in axon regeneration. <i>Progress in Brain Research</i> , <b>2002</b> , 137, 333-49	2.9	112
94	Electrical stimulation of intact peripheral sensory axons in rats promotes outgrowth of their central projections. <i>Experimental Neurology</i> , <b>2008</b> , 210, 238-47	5-7	111
93	Complement depletion reduces macrophage infiltration and activation during Wallerian degeneration and axonal regeneration. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 6713-22	6.6	108
92	"Targeting astrocytes in CNS injury and disease: A translational research approach". <i>Progress in Neurobiology</i> , <b>2016</b> , 144, 173-87	10.9	105
91	A potent inhibitor of neurite outgrowth that predominates in the extracellular matrix of reactive astrocytes. <i>International Journal of Developmental Neuroscience</i> , <b>1996</b> , 14, 153-75	2.7	102
90	Chondroitin sulfate proteoglycans potently inhibit invasion and serve as a central organizer of the brain tumor microenvironment. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 15603-17	6.6	93

89	Precursors of neurons, neuroglia, and ependymal cells in the CNS: what are they? Where are they from? How do they get where they are going?. <i>Glia</i> , <b>2003</b> , 43, 6-18	9	92
88	Reduction of extraneural scarring by ADCON-T/N after surgical intervention. <i>Neurosurgery</i> , <b>1996</b> , 38, 976-83; discussion 983-4	3.2	92
87	The critical role of basement membrane-independent laminin gamma 1 chain during axon regeneration in the CNS. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 3144-60	6.6	89
86	Astrocyte-polymer implants promote regeneration of dorsal root fibers into the adult mammalian spinal cord. <i>Experimental Neurology</i> , <b>1990</b> , 109, 57-69	5.7	89
85	Unique changes of ganglion cell growth cone behavior following cell adhesion molecule perturbations: a time-lapse study of the living retina. <i>Molecular and Cellular Neurosciences</i> , <b>1995</b> , 6, 433-49	4.8	88
84	Multiple factors govern intraretinal axon guidance: a time-lapse study. <i>Molecular and Cellular Neurosciences</i> , <b>1995</b> , 6, 413-32	4.8	87
83	The role of proteoglycans in Schwann cell/astrocyte interactions and in regeneration failure at PNS/CNS interfaces. <i>Molecular and Cellular Neurosciences</i> , <b>2005</b> , 28, 18-29	4.8	86
82	Entrapment via synaptic-like connections between NG2 proteoglycan+ cells and dystrophic axons in the lesion plays a role in regeneration failure after spinal cord injury. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 16369-84	6.6	84
81	Inhibitory molecules in development and regeneration. <i>Journal of Neurology</i> , <b>1994</b> , 242, S22-4	5.5	83
80	Nerve regeneration restores supraspinal control of bladder function after complete spinal cord injury. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 10591-606	6.6	82
79	Establishment and neurite outgrowth properties of neonatal and adult rat olfactory bulb glial cell lines. <i>Brain Research</i> , <b>1993</b> , 619, 199-213	3.7	82
78	Proteoglycans and other repulsive molecules in glial boundaries during development and regeneration of the nervous system. <i>Progress in Brain Research</i> , <b>1996</b> , 108, 149-63	2.9	81
77	The unusual response of serotonergic neurons after CNS Injury: lack of axonal dieback and enhanced sprouting within the inhibitory environment of the glial scar. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 5605-16	6.6	79
76	Formation of the retinal ganglion cell and optic fiber layers. <i>Journal of Neurobiology</i> , <b>1991</b> , 22, 85-96		72
75	Fibroblast growth factor receptor function is required for the orderly projection of ganglion cell axons in the developing mammalian retina. <i>Molecular and Cellular Neurosciences</i> , <b>1996</b> , 8, 120-8	4.8	69
74	Immature astrocytes promote CNS axonal regeneration when combined with chondroitinase ABC. <i>Developmental Neurobiology</i> , <b>2010</b> , 70, 826-41	3.2	66
73	Large animal and primate models of spinal cord injury for the testing of novel therapies. <i>Experimental Neurology</i> , <b>2015</b> , 269, 154-68	5.7	55
72	Transplantation of immature and mature astrocytes and their effect on scar formation in the lesioned central nervous system. <i>Progress in Brain Research</i> , <b>1988</b> , 78, 353-61	2.9	55

71	Contributions of chondroitin sulfate proteoglycans to neurodevelopment, injury, and cancer. <i>Current Opinion in Neurobiology</i> , <b>2014</b> , 27, 171-8	7.6	54
70	Intravenous multipotent adult progenitor cell treatment decreases inflammation leading to functional recovery following spinal cord injury. <i>Scientific Reports</i> , <b>2015</b> , 5, 16795	4.9	54
69	The glial scar is more than just astrocytes. <i>Experimental Neurology</i> , <b>2016</b> , 286, 147-149	5.7	53
68	Regional differences in reactive gliosis induced by substrate-bound beta-amyloid. <i>Experimental Neurology</i> , <b>1994</b> , 130, 56-66	5.7	51
67	Perturbing chondroitin sulfate proteoglycan signaling through LAR and PTP $\alpha$ receptors promotes a beneficial inflammatory response following spinal cord injury. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 90	10.1	48
66	Abnormal development of the suprachiasmatic nuclei of the hypothalamus in a strain of genetically anophthalmic mice. <i>Journal of Comparative Neurology</i> , <b>1977</b> , 176, 589-606	3.4	44
65	Glial fibrillary acidic protein is necessary for mature astrocytes to react to beta-amyloid. <i>Glia</i> , <b>1999</b> , 25, 390-403	9	43
64	Growth pattern of pioneering chick spinal cord axons. <i>Developmental Biology</i> , <b>1987</b> , 123, 375-88	3.1	43
63	Demonstrating efficacy in preclinical studies of cellular therapies for spinal cord injury - how much is enough?. <i>Experimental Neurology</i> , <b>2013</b> , 248, 30-44	5.7	42
62	Development of intersecting CNS fiber tracts: the corpus callosum and its perforating fiber pathway. <i>Journal of Comparative Neurology</i> , <b>1988</b> , 272, 177-90	3.4	42
61	Multipotent embryonic spinal cord stem cells expanded by endothelial factors and Shh/RA promote functional recovery after spinal cord injury. <i>Experimental Neurology</i> , <b>2008</b> , 209, 510-22	5.7	40
60	Serotonergic neurons migrate radially through the neuroepithelium by dynamin-mediated somal translocation. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 420-30	6.6	39
59	Rapid and robust restoration of breathing long after spinal cord injury. <i>Nature Communications</i> , <b>2018</b> , 9, 4843	17.4	38
58	Effects of ovariectomy on the binding of [ <sup>125</sup> I]-alpha bungarotoxin (2.2 and 3.3) to the suprachiasmatic nucleus of the hypothalamus: an in vivo autoradiographic analysis. <i>Brain Research</i> , <b>1982</b> , 247, 355-64	3.7	36
57	Death of the subcallosal glial sling is correlated with formation of the cavum septi pellucidi. <i>Journal of Comparative Neurology</i> , <b>1988</b> , 272, 191-202	3.4	35
56	The effect of long-term release of Shh from implanted biodegradable microspheres on recovery from spinal cord injury in mice. <i>Biomaterials</i> , <b>2012</b> , 33, 2892-901	15.6	33
55	Beyond the Glial Scar: Cellular and Molecular Mechanisms by which Glial Cells Contribute to CNS Regenerative Failure <b>1999</b> , 55-II		33
54	Regenerative failure: a potential mechanism for neuritic dystrophy in Alzheimer's disease. <i>Experimental Neurology</i> , <b>1996</b> , 142, 103-10	5.7	33

53	Effects of gonadal steroids on the in vivo binding of [125I]alpha-bungarotoxin to the suprachiasmatic nucleus. <i>Brain Research</i> , <b>1984</b> , 290, 67-75	3.7	33
52	NG2+ progenitors derived from embryonic stem cells penetrate glial scar and promote axonal outgrowth into white matter after spinal cord injury. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 401-11	6.9	32
51	Keratan sulfate proteoglycan phosphacan regulates mossy fiber outgrowth and regeneration. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 462-73	6.6	29
50	Modulation of proteoglycan receptor PTP $\alpha$ enhances MMP-2 activity to promote recovery from multiple sclerosis. <i>Nature Communications</i> , <b>2018</b> , 9, 4126	17.4	29
49	A comparison of the regeneration potential of dorsal root fibers into gray or white matter of the adult rat spinal cord. <i>Experimental Neurology</i> , <b>1990</b> , 109, 90-7	5.7	28
48	LAR and PTP $\alpha$ receptors are negative regulators of oligodendrogenesis and oligodendrocyte integrity in spinal cord injury. <i>Glia</i> , <b>2019</b> , 67, 125-145	9	28
47	A Latent Propriospinal Network Can Restore Diaphragm Function after High Cervical Spinal Cord Injury. <i>Cell Reports</i> , <b>2017</b> , 21, 654-665	10.6	27
46	Combinatory repair strategy to promote axon regeneration and functional recovery after chronic spinal cord injury. <i>Scientific Reports</i> , <b>2017</b> , 7, 9018	4.9	27
45	Enhanced regeneration and functional recovery after spinal root avulsion by manipulation of the proteoglycan receptor PTP $\alpha$ . <i>Scientific Reports</i> , <b>2015</b> , 5, 14923	4.9	27
44	Fibronectin inhibits chronic pain development after spinal cord injury. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 589-99	5.4	27
43	Crystallin synthesis in the lens rudiment of a strain of mice with congenital anophthalmia. <i>Experimental Eye Research</i> , <b>1983</b> , 36, 551-7	3.7	27
42	Peripheral Nerve Transplantation Combined with Acidic Fibroblast Growth Factor and Chondroitinase Induces Regeneration and Improves Urinary Function in Complete Spinal Cord Transected Adult Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139335	3.7	27
41	Phasic inhibition as a mechanism for generation of rapid respiratory rhythms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12815-12820	11.5	25
40	Modulation of Receptor Protein Tyrosine Phosphatase Sigma Increases Chondroitin Sulfate Proteoglycan Degradation through Cathepsin B Secretion to Enhance Axon Outgrowth. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 5399-5414	6.6	25
39	Adult axon regeneration in adult CNS white matter. <i>Trends in Neurosciences</i> , <b>1998</b> , 21, 515	13.3	24
38	Investigation of circadian rhythms in a genetically anophthalmic mouse strain: Correlation of activity patterns with suprachiasmatic nuclei hypogenesis. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>1982</b> , 149, 333-338	2.3	23
37	Extravascular CX3CR1+ cells extend intravascular dendritic processes into intact central nervous system vessel lumen. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 778-90	0.5	22
36	Treatments to restore respiratory function after spinal cord injury and their implications for regeneration, plasticity and adaptation. <i>Experimental Neurology</i> , <b>2012</b> , 235, 18-25	5.7	21



35	A role for tectal midline glia in the unilateral containment of retinocollicular axons. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 8344-55	6.6	21
34	Astrocyte transplantation induces callosal regeneration in postnatal acallosal mice. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 495, 185-206	6.5	20
33	Neuroscience. Systemically treating spinal cord injury. <i>Science</i> , <b>2015</b> , 348, 285-6	33.3	18
32	A route for direct retinal input to the preoptic hypothalamus: dendritic projections into the optic chiasm. <i>American Journal of Anatomy</i> , <b>1979</b> , 155, 391-401		18
31	Regulation of autophagy by inhibitory CSPG interactions with receptor PTP and its impact on plasticity and regeneration after spinal cord injury. <i>Experimental Neurology</i> , <b>2020</b> , 328, 113276	5.7	17
30	Lmx1b is required at multiple stages to build expansive serotonergic axon architectures. <i>ELife</i> , <b>2019</b> , 8,	8.9	17
29	Development of the outer plexiform layer in albino rats. <i>Current Eye Research</i> , <b>1982</b> , 2, 295-9	2.9	16
28	Cortical development and topographic maps: patterns of cell dispersion in developing cerebral cortex. <i>Current Opinion in Neurobiology</i> , <b>1994</b> , 4, 108-11	7.6	14
27	New insights into glial scar formation after spinal cord injury. <i>Cell and Tissue Research</i> , <b>2021</b> , 1	4.2	13
26	CNS regeneration: only on one condition. <i>Current Biology</i> , <b>2009</b> , 19, R444-6	6.3	12
25	Shedding light on restoring respiratory function after spinal cord injury. <i>Frontiers in Molecular Neuroscience</i> , <b>2009</b> , 2, 18	6.1	11
24	Discovery of 1,2,3-Triazole Derivatives for Multimodality PET/CT/Cryoimaging of Myelination in the Central Nervous System. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 987-999	8.3	10
23	Oncomodulin affords limited regeneration to injured sensory axons in vitro and in vivo. <i>Experimental Neurology</i> , <b>2012</b> , 233, 708-16	5.7	10
22	Failure of the subcallosal sling to develop after embryonic X-irradiation is correlated with absence of the cavum septi. <i>Journal of Comparative Neurology</i> , <b>1990</b> , 299, 462-9	3.4	10
21	Cathepsins in neuronal plasticity. <i>Neural Regeneration Research</i> , <b>2021</b> , 16, 26-35	4.5	10
20	Much Ado about Nogo. <i>Neuron</i> , <b>2010</b> , 66, 619-21	13.9	7
19	Development and aging of the eye in mice with inherited optic nerve aplasia: histopathological studies. <i>Experimental Eye Research</i> , <b>1984</b> , 38, 257-66	3.7	7
18	Novel F-Labeled Radioligands for Positron Emission Tomography Imaging of Myelination in the Central Nervous System. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 4902-4914	8.3	6



17	Neurite Outgrowth Assay. <i>Bio-protocol</i> , <b>2016</b> , 6,	0.9	6
16	Prelesion but Not Postlesion Inflammation Plus Proteoglycan Degradation Results in Functional Regeneration. <i>Neurosurgery</i> , <b>2005</b> , 57, 405-405	3.2	5
15	Does CNS Myelin Inhibit Axon Regeneration?. <i>Neuroscientist</i> , <b>1999</b> , 5, 12-18	7.6	5
14	Inverted <i>Xenopus</i> eye primordia develop into anatomically inverted eyes. <i>Developmental Biology</i> , <b>1981</b> , 86, 510-4	3.1	5
13	Transplantation of Neural Tissue from Fetuses. <i>Science</i> , <b>1987</b> , 235, 1307-1308	33.3	4
12	Intravital imaging of immune cells and their interactions with other cell types in the spinal cord: Experiments with multicolored moving cells. <i>Experimental Neurology</i> , <b>2019</b> , 320, 112972	5.7	3
11	GLIAL CELLS, INFLAMMATION, AND CNS TRAUMA: MODULATION OF THE INFLAMMATORY ENVIRONMENT AFTER INJURY CAN LEAD TO LONG-DISTANCE REGENERATION BEYOND THE GLIAL SCAR <b>2008</b> , 59-94		3
10	A meta-analysis of functional outcomes in rat sciatic nerve injury models. <i>Microsurgery</i> , <b>2021</b> , 41, 286-295.1		2
9	Contributions of the Bunge laboratory. <i>Journal of Spinal Cord Medicine</i> , <b>2008</b> , 31, 270-1	1.9	1
8	Perspectives on "the biology of spinal cord regeneration success and failure". <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 1358-1359	4.5	1
7	Disrupting protein tyrosine phosphatase $\alpha$ does not prevent sympathetic axonal dieback following myocardial infarction. <i>Experimental Neurology</i> , <b>2016</b> , 276, 1-4	5.7	1
6	Targeting the cytoskeleton with an FDA approved drug to promote recovery after spinal cord injury. <i>Experimental Neurology</i> , <b>2018</b> , 306, 260-262	5.7	1
5	An adult-stage transcriptional program for survival of serotonergic connectivity.. <i>Cell Reports</i> , <b>2022</b> , 39, 110711	10.6	1
4	Histomorphometry in Peripheral Nerve Regeneration: Comparison of Different Axon Counting Methods. <i>Journal of Surgical Research</i> , <b>2021</b> , 268, 354-362	2.5	0
3	Effects of the glial scar and extracellular matrix molecules on axon regeneration 376-391		
2	Effects of the glial scar and extracellular matrix molecules on axon regeneration 390-404		
1	Glial Cell Extracellular Matrix in Alzheimer's Disease <b>1995</b> , 158-170		