

Itzhak Fischer

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168
papers

9,205
citations

57
h-index

90
g-index

174
ext. papers

9,824
ext. citations

4.8
avg, IF

5.8
L-index

#	Paper	IF	Citations
168	Transplants of fibroblasts genetically modified to express BDNF promote regeneration of adult rat rubrospinal axons and recovery of forelimb function. <i>Journal of Neuroscience</i> , 1999 , 19, 4370-87	6.6	437
167	In vitro differentiation of human marrow stromal cells into early progenitors of neural cells by conditions that increase intracellular cyclic AMP. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 282, 148-52	3.4	418
166	Reevaluation of in vitro differentiation protocols for bone marrow stromal cells: disruption of actin cytoskeleton induces rapid morphological changes and mimics neuronal phenotype. <i>Journal of Neuroscience Research</i> , 2004 , 77, 192-204	4.4	311
165	Axon growth and recovery of function supported by human bone marrow stromal cells in the injured spinal cord exhibit donor variations. <i>Brain Research</i> , 2005 , 1035, 73-85	3.7	276
164	Tau is enriched on dynamic microtubules in the distal region of growing axons. <i>Journal of Neuroscience</i> , 1996 , 16, 3601-19	6.6	213
163	Delayed grafting of BDNF and NT-3 producing fibroblasts into the injured spinal cord stimulates sprouting, partially rescues axotomized red nucleus neurons from loss and atrophy, and provides limited regeneration. <i>Experimental Neurology</i> , 2003 , 184, 97-113	5.7	181
162	Recovery of function following grafting of human bone marrow-derived stromal cells into the injured spinal cord. <i>Neurorehabilitation and Neural Repair</i> , 2006 , 20, 278-96	4.7	177
161	Grafted neural progenitors integrate and restore synaptic connectivity across the injured spinal cord. <i>Journal of Neuroscience</i> , 2011 , 31, 4675-86	6.6	166
160	Transplants of fibroblasts genetically modified to express BDNF promote axonal regeneration from supraspinal neurons following chronic spinal cord injury. <i>Experimental Neurology</i> , 2002 , 177, 265-75	5.7	162
159	CD44 expression identifies astrocyte-restricted precursor cells. <i>Developmental Biology</i> , 2004 , 276, 31-46	3.1	155
158	Effects of plating density and culture time on bone marrow stromal cell characteristics. <i>Experimental Hematology</i> , 2008 , 36, 1176-85	3.1	154
157	Transplantation of neuronal and glial restricted precursors into contused spinal cord improves bladder and motor functions, decreases thermal hypersensitivity, and modifies intraspinal circuitry. <i>Journal of Neuroscience</i> , 2005 , 25, 9624-36	6.6	146
156	The limbic system-associated membrane protein is an Ig superfamily member that mediates selective neuronal growth and axon targeting. <i>Neuron</i> , 1995 , 15, 287-97	13.9	140
155	Grafted lineage-restricted precursors differentiate exclusively into neurons in the adult spinal cord. <i>Experimental Neurology</i> , 2002 , 177, 360-75	5.7	139
154	Neuronal abnormalities in microtubule-associated protein 1B mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 1270-5	11.5	139
153	Peptide-modified alginate surfaces as a growth permissive substrate for neurite outgrowth. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 71, 191-200		135
152	Lineage-restricted neural precursors survive, migrate, and differentiate following transplantation into the injured adult spinal cord. <i>Experimental Neurology</i> , 2005 , 194, 230-42	5.7	133

151	Characterization and intraspinal grafting of EGF/bFGF-dependent neurospheres derived from embryonic rat spinal cord. <i>Brain Research</i> , 2000 , 874, 87-106	3.7	133
150	Neural stem cells may be uniquely suited for combined gene therapy and cell replacement: Evidence from engraftment of Neurotrophin-3-expressing stem cells in hypoxic-ischemic brain injury. <i>Experimental Neurology</i> , 2006 , 199, 179-90	5.7	131
149	Mechanically engineered hydrogel scaffolds for axonal growth and angiogenesis after transplantation in spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2004 , 1, 322-9	2.8	117
148	Transplantation of glial-restricted precursor cells into the adult spinal cord: survival, glial-specific differentiation, and preferential migration in white matter. <i>Glia</i> , 2004 , 45, 1-16	9	115
147	Effect of retinoic acid on growth and morphological differentiation of mouse NB2a neuroblastoma cells in culture. <i>Developmental Brain Research</i> , 1985 , 353, 307-14		113
146	Minimally invasive delivery of stem cells for spinal cord injury: advantages of the lumbar puncture technique. <i>Journal of Neurosurgery: Spine</i> , 2004 , 1, 330-7	2.8	112
145	Grafting of human bone marrow stromal cells into spinal cord injury: a comparison of delivery methods. <i>Spine</i> , 2009 , 34, 328-34	3.3	110
144	Grafts of BDNF-producing fibroblasts rescue axotomized rubrospinal neurons and prevent their atrophy. <i>Experimental Neurology</i> , 2002 , 178, 150-64	5.7	101
143	Intraspinal delivery of neurotrophin-3 using neural stem cells genetically modified by recombinant retrovirus. <i>Experimental Neurology</i> , 1999 , 158, 9-26	5.7	101
142	Alginate encapsulated BDNF-producing fibroblast grafts permit recovery of function after spinal cord injury in the absence of immune suppression. <i>Journal of Neurotrauma</i> , 2005 , 22, 138-56	5.4	100
141	Lumbar puncture delivery of bone marrow stromal cells in spinal cord contusion: a novel method for minimally invasive cell transplantation. <i>Journal of Neurotrauma</i> , 2006 , 23, 55-65	5.4	99
140	MAP1B expression and microtubule stability in growing and regenerating axons. <i>Microscopy Research and Technique</i> , 2000 , 48, 63-74	2.8	99
139	Neural precursor cells can be delivered into the injured cervical spinal cord by intrathecal injection at the lumbar cord. <i>Brain Research</i> , 2005 , 1045, 206-16	3.7	95
138	Neurotrophic factors promote and enhance locomotor recovery in untrained spinalized cats. <i>Journal of Neurophysiology</i> , 2007 , 98, 1988-96	3.2	94
137	Changes in microtubule-associated protein MAP1B phosphorylation during rat brain development. <i>Journal of Neurochemistry</i> , 1990 , 55, 328-33	6	91
136	Nonuniform alteration of dendritic development in the cerebral cortex following prenatal cocaine exposure. <i>Cerebral Cortex</i> , 1996 , 6, 431-45	5.1	87
135	Transplants of cells genetically modified to express neurotrophin-3 rescue axotomized Clarke's nucleus neurons after spinal cord hemisection in adult rats. <i>Journal of Neuroscience Research</i> , 2001 , 65, 549-64	4.4	85
134	Secretion profile of human bone marrow stromal cells: donor variability and response to inflammatory stimuli. <i>Cytokine</i> , 2010 , 50, 317-21	4	83

133	Transplants of fibroblasts expressing BDNF and NT-3 promote recovery of bladder and hindlimb function following spinal contusion injury in rats. <i>Experimental Neurology</i> , 2005 , 194, 410-31	5.7	83
132	Differential fate of multipotent and lineage-restricted neural precursors following transplantation into the adult CNS. <i>Neuron Glia Biology</i> , 2004 , 1, 113-26		83
131	Expression and distribution of microtubule-associated protein 2 (MAP2) in neuroblastoma and primary neuronal cells. <i>Developmental Brain Research</i> , 1986 , 390, 99-109		81
130	In vitro analysis of PNIPAAm-PEG, a novel, injectable scaffold for spinal cord repair. <i>Acta Biomaterialia</i> , 2009 , 5, 1046-55	10.8	80
129	Promoting directional axon growth from neural progenitors grafted into the injured spinal cord. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1182-92	4.4	73
128	Application of recombinant adenovirus for in vivo gene delivery to spinal cord. <i>Brain Research</i> , 1997 , 768, 19-29	3.7	71
127	Grafting of encapsulated BDNF-producing fibroblasts into the injured spinal cord without immune suppression in adult rats. <i>Journal of Neurotrauma</i> , 2001 , 18, 287-301	5.4	70
126	Cloning of a cDNA encoding MAP1B in rat brain: regulation of mRNA levels during development. <i>Journal of Neurochemistry</i> , 1989 , 52, 1871-9	6	70
125	Microtubule-associated proteins (MAPs) in the peripheral nervous system during development and regeneration. <i>Journal of Molecular Neuroscience</i> , 1997 , 8, 207-22	3.3	69
124	MR imaging of lineage-restricted neural precursors following transplantation into the adult spinal cord. <i>Experimental Neurology</i> , 2006 , 201, 49-59	5.7	68
123	Long-term fate of neural precursor cells following transplantation into developing and adult CNS. <i>Neuroscience</i> , 2006 , 142, 287-304	3.9	68
122	Acute inactivation of tau has no effect on dynamics of microtubules in growing axons of cultured sympathetic neurons. <i>Journal of Neuroscience</i> , 1998 , 18, 8660-73	6.6	67
121	Calpain-mediated proteolysis of microtubule associated proteins MAP1B and MAP2 in developing brain. <i>Neurochemical Research</i> , 1991 , 16, 891-8	4.6	67
120	Phenotypic analysis of astrocytes derived from glial restricted precursors and their impact on axon regeneration. <i>Experimental Neurology</i> , 2012 , 233, 717-32	5.7	66
119	Plasticity following injury to the adult central nervous system: is recapitulation of a developmental state worth promoting?. <i>Journal of Neurotrauma</i> , 2003 , 20, 1271-92	5.4	66
118	Post-transcriptional regulation of GAP-43 mRNA levels during neuronal differentiation and nerve regeneration. <i>Molecular and Cellular Neurosciences</i> , 1991 , 2, 402-9	4.8	62
117	Expression of a phosphorylated isoform of MAP1B is maintained in adult central nervous system areas that retain capacity for structural plasticity. <i>Journal of Comparative Neurology</i> , 1996 , 368, 317-34	3.4	60
116	Analysis of allogeneic and syngeneic bone marrow stromal cell graft survival in the spinal cord. <i>Cell Transplantation</i> , 2005 , 14, 775-86	4	59

115	Transplantation of genetically modified cells contributes to repair and recovery from spinal injury. <i>Brain Research Reviews</i> , 2002 , 40, 292-300		58
114	Microtubule associated protein (MAP1B) is present in cultured oligodendrocytes and co-localizes with tubulin. <i>Journal of Neuroscience Research</i> , 1990 , 27, 112-24	4.4	58
113	Transplanting neural progenitor cells to restore connectivity after spinal cord injury. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 366-383	13.5	57
112	Transplantation of human glial restricted progenitors and derived astrocytes into a contusion model of spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 579-94	5.4	57
111	Large animal and primate models of spinal cord injury for the testing of novel therapies. <i>Experimental Neurology</i> , 2015 , 269, 154-68	5.7	55
110	Microtubule-associated protein tau is required for axonal neurite elaboration by neuroblastoma cells. <i>Journal of Neuroscience Research</i> , 1992 , 32, 363-74	4.4	55
109	Expression and distribution of phosphorylated MAP1B in growing axons of cultured hippocampal neurons. <i>Journal of Neuroscience Research</i> , 1995 , 40, 439-50	4.4	53
108	Role of vimentin in early stages of neuritogenesis in cultured hippocampal neurons. <i>International Journal of Developmental Neuroscience</i> , 1996 , 14, 739-48	2.7	51
107	Combined effects of neurotrophin secreting transplants, exercise, and serotonergic drug challenge improve function in spinal rats. <i>Neurorehabilitation and Neural Repair</i> , 2005 , 19, 296-312	4.7	50
106	Bilateral growth-related protein expression suggests a transient increase in regenerative potential following brain trauma. <i>Journal of Comparative Neurology</i> , 2000 , 424, 521-531	3.4	49
105	Early in vitro genesis and differentiation of axons and dendrites by hippocampal neurons analyzed quantitatively with neurofilament-H and microtubule-associated protein 2 antibodies. <i>Experimental Neurology</i> , 1991 , 111, 25-35	5.7	49
104	Stable expression of the alkaline phosphatase marker gene by neural cells in culture and after transplantation into the CNS using cells derived from a transgenic rat. <i>Experimental Neurology</i> , 2002 , 174, 48-57	5.7	48
103	Distribution of Big tau in the central nervous system of the adult and developing rat. <i>Journal of Comparative Neurology</i> , 1995 , 358, 279-93	3.4	47
102	Developmental regulation of microtubule-associated protein 2 expression in regions of mouse brain. <i>Journal of Neurochemistry</i> , 1989 , 53, 1910-7	6	47
101	cDNA cloning and structural analysis of the human limbic-system-associated membrane protein (LAMP). <i>Gene</i> , 1996 , 170, 189-95	3.8	46
100	Human astrocytes derived from glial restricted progenitors support regeneration of the injured spinal cord. <i>Journal of Neurotrauma</i> , 2013 , 30, 1035-52	5.4	45
99	Combining motor training with transplantation of rat bone marrow stromal cells does not improve repair or recovery in rats with thoracic contusion injuries. <i>Brain Research</i> , 2006 , 1119, 65-75	3.7	43
98	Long-term fate of neural precursor cells following transplantation into developing and adult CNS. <i>Neuroscience</i> , 2006 , 139, 513-30	3.9	43

97	Isolation of a glial-restricted tripotential cell line from embryonic spinal cord cultures. <i>Glia</i> , 2002 , 38, 65-79	9	43
96	The roles of neuronal and glial precursors in overcoming chondroitin sulfate proteoglycan inhibition. <i>Experimental Neurology</i> , 2012 , 235, 627-37	5.7	42
95	Regulation of microtubule associated protein 2 (MAP2) expression by nerve growth factor in PC12 cells. <i>Experimental Cell Research</i> , 1991 , 194, 195-201	4.2	42
94	Fibroblasts genetically modified to produce BDNF support regrowth of chronically injured serotonergic axons. <i>Neurorehabilitation and Neural Repair</i> , 2000 , 14, 311-7	4.7	40
93	Transplantation of Neural Progenitors and V2a Interneurons after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 2883-2903	5.4	37
92	The expression and distribution of tau proteins and messenger RNA in rat dorsal root ganglion neurons during development and regeneration. <i>Neuroscience</i> , 1995 , 66, 707-19	3.9	37
91	Stem cell delivery by lumbar puncture as a therapeutic alternative to direct injection into injured spinal cord. <i>Journal of Neurosurgery: Spine</i> , 2008 , 9, 390-9	2.8	36
90	Association of microtubule-associated protein (MAP1B) with growing axons in cultured hippocampal neurons. <i>Molecular and Cellular Neurosciences</i> , 1991 , 2, 39-51	4.8	36
89	Heterogeneity of microtubule-associated protein (MAP2) in vertebrate brains. <i>Brain Research</i> , 1987 , 436, 39-48	3.7	36
88	Triton-soluble phosphovariants of the heavy neurofilament subunit in developing and mature mouse central nervous system. <i>Journal of Neuroscience Research</i> , 1997 , 48, 515-523	4.4	34
87	Intraspinal grafting of fibroblasts genetically modified by recombinant adenoviruses. <i>NeuroReport</i> , 1998 , 9, 1075-9	1.7	34
86	Transplantation of human marrow stromal cells and mono-nuclear bone marrow cells into the injured spinal cord: a comparative study. <i>Spine</i> , 2009 , 34, 2605-12	3.3	33
85	Transplantation of neural progenitor cells in chronic spinal cord injury. <i>Neuroscience</i> , 2016 , 320, 69-82	3.9	32
84	Immunosuppression with either cyclosporine a or FK506 supports survival of transplanted fibroblasts and promotes growth of host axons into the transplant after spinal cord injury. <i>Journal of Neurotrauma</i> , 2005 , 22, 1267-81	5.4	32
83	Induction of microtubule-associated protein 1B expression in Schwann cells during nerve regeneration. <i>Brain Research</i> , 1999 , 823, 141-53	3.7	31
82	Regulation of translation. Analysis of intermediary reactions in protein synthesis in exponentially growing and stationary phase Chinese hamster ovary cells in culture. <i>Biochemistry</i> , 1980 , 19, 1417-25	3.2	31
81	Fate of immortalized human neuronal progenitor cells transplanted in rat spinal cord. <i>Archives of Neurology</i> , 2005 , 62, 223-9		30
80	Presence of the plasma membrane proteolipid (plasmolipin) in myelin. <i>Journal of Neurochemistry</i> , 1990 , 55, 602-10	6	30

79	Vascularization of self-assembled peptide scaffolds for spinal cord injury repair. <i>Acta Biomaterialia</i> , 2020 , 104, 76-84	10.8	30
78	Spatial and temporal changes in promoter activity of the astrocyte glutamate transporter GLT1 following traumatic spinal cord injury. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1001-17	4.4	29
77	Chondroitinase activity can be transduced by a lentiviral vector in vitro and in vivo. <i>Journal of Neuroscience Methods</i> , 2011 , 199, 208-13	3	29
76	Localisation of microtubule-associated protein 1B phosphorylation sites recognised by monoclonal antibody SMI-31. <i>Journal of Neurochemistry</i> , 1997 , 69, 1417-24	6	29
75	Phosphorylated MAP1B is induced in central sprouting of primary afferents in response to peripheral injury but not in response to rhizotomy. <i>European Journal of Neuroscience</i> , 2002 , 16, 593-606	3.5	29
74	Transplantation and gene therapy: combined approaches for repair of spinal cord injury. <i>Neuroscientist</i> , 2001 , 7, 28-41	7.6	29
73	Two alternative promoters direct neuron-specific expression of the rat microtubule-associated protein 1B gene. <i>Journal of Neuroscience</i> , 1996 , 16, 5026-36	6.6	28
72	Transplanting neural progenitors into a complete transection model of spinal cord injury. <i>Journal of Neuroscience Research</i> , 2014 , 92, 607-18	4.4	27
71	A pilot study of poly(N-isopropylacrylamide)-g-polyethylene glycol and poly(N-isopropylacrylamide)-g-methylcellulose branched copolymers as injectable scaffolds for local delivery of neurotrophins and cellular transplants into the injured spinal cord. <i>Journal of Neurosurgery: Spine</i> , 2011 , 15, 594-604	2.8	27
70	Axonal transport of microtubule-associated protein 1B (MAP1B) in the sciatic nerve of adult rat: distinct transport rates of different isoforms. <i>Journal of Neuroscience</i> , 2000 , 20, 2112-20	6.6	26
69	Cocaine administration in pregnant rabbits alters cortical structure and function in their progeny in the absence of maternal seizures. <i>Experimental Brain Research</i> , 1997 , 114, 433-41	2.3	24
68	Candidate cells for transplantation into the injured CNS. <i>Progress in Brain Research</i> , 2000 , 128, 253-7	2.9	24
67	Regulation of microtubule-associated protein 2 (MAP2) mRNA expression during rat brain development. <i>Journal of Molecular Neuroscience</i> , 1989 , 1, 189-98	3.3	24
66	Regulation of the expression and phosphorylation of microtubule-associated protein 1B during regeneration of adult dorsal root ganglion neurons. <i>Neuroscience</i> , 2000 , 99, 157-70	3.9	23
65	Effects of retinoic acid on expression of the transformed phenotype in C6 glioma cells. <i>Life Sciences</i> , 1987 , 41, 463-70	6.8	21
64	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B. <i>Journal of Anatomy</i> , 1997 , 191 (Pt 2), 229-44	2.9	20
63	Altered expression of microtubule-associated proteins in cat trochlear motoneurons after peripheral and central lesions of the trochlear nerve. <i>Experimental Neurology</i> , 1996 , 138, 214-26	5.7	19
62	Improving the therapeutic efficacy of neural progenitor cell transplantation following spinal cord injury. <i>Expert Review of Neurotherapeutics</i> , 2017 , 17, 433-440	4.3	18

61	Angioneural crosstalk in scaffolds with oriented microchannels for regenerative spinal cord injury repair. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 334-46	3.3	18
60	Either brain-derived neurotrophic factor or neurotrophin-3 only neurotrophin-producing grafts promote locomotor recovery in untrained spinalized cats. <i>Neurorehabilitation and Neural Repair</i> , 2015 , 29, 90-100	4.7	18
59	Gene therapy, neurotrophic factors and spinal cord regeneration. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 109, 563-74	3	18
58	Characterization and biosynthesis of the plasma membrane proteolipid protein in neural tissue. <i>Journal of Neurochemistry</i> , 1986 , 47, 232-8	6	17
57	Phosphatase inhibition in human neuroblastoma cells alters tau antigenicity and renders it incompetent to associate with exogenous microtubules. <i>FEBS Letters</i> , 1996 , 380, 63-7	3.8	17
56	Turnover of cytoskeletal proteins in vivo. <i>Brain Research</i> , 1990 , 533, 83-90	3.7	17
55	Effects of retinoic acid on protein synthesis in cultured melanoma cells. <i>Journal of Cellular Physiology</i> , 1982 , 113, 47-55	7	17
54	Plasmalipin: the other myelin proteolipid. A review of studies on its structure, expression, and function. <i>Neurochemical Research</i> , 1994 , 19, 959-66	4.6	16
53	Preparation of neural stem cells and progenitors: neuronal production and grafting applications. <i>Methods in Molecular Biology</i> , 2013 , 1078, 65-88	1.4	15
52	Expression of a plasma membrane proteolipid during differentiation of neuronal and glial cells in primary culture. <i>Journal of Neurochemistry</i> , 1986 , 47, 697-706	6	15
51	Acute inactivation of MAP1b in growing sympathetic neurons destabilizes axonal microtubules. <i>Cytoskeleton</i> , 2005 , 60, 48-65		15
50	Differential appearance of extensively phosphorylated forms of the high molecular weight neurofilament protein in regions of mouse brain during postnatal development. <i>Journal of Neuroimmunology</i> , 1991 , 31, 73-81	3.5	15
49	Resurrecting the Mysteries of Big Tau. <i>Trends in Neurosciences</i> , 2020 , 43, 493-504	13.3	14
48	Neurite outgrowth of neural progenitors in presence of inhibitory proteoglycans. <i>Journal of Neurotrauma</i> , 2010 , 27, 951-7	5.4	14
47	Induction of MAP1B phosphorylation in target-deprived afferent fibers after kainic acid lesion in the adult rat 1998 , 396, 193-210		14
46	Preparation and characterization of a cell-free system from Chinese hamster ovary cells that translates natural messenger ribonucleic acid and analysis of intermediary reactions. <i>Analytical Biochemistry</i> , 1981 , 113, 13-26	3.1	14
45	Radial glial cell line C6-R integrates preferentially in adult white matter and facilitates migration of coimplanted neurons in vivo. <i>Experimental Neurology</i> , 2001 , 168, 310-22	5.7	13
44	Short exposure to methylazoxymethanol causes a long-term inhibition of axonal outgrowth from cultured embryonic rat hippocampal neurons. <i>Journal of Neuroscience Research</i> , 1996 , 46, 349-59	4.4	12

43	Guiding migration of transplanted glial progenitor cells in the injured spinal cord. <i>Scientific Reports</i> , 2016 , 6, 22576	4.9	12
42	Towards a definition of recovery of function. <i>Journal of Neurotrauma</i> , 2004 , 21, 405-13	5.4	11
41	Expression of plasmolipin in oligodendrocytes. <i>Journal of Neuroscience Research</i> , 1991 , 28, 81-9	4.4	11
40	Differential effects of distinct central nervous system regions on cell migration and axonal extension of neural precursor transplants. <i>Journal of Neuroscience Research</i> , 2012 , 90, 2065-73	4.4	10
39	Influence of alginate cross-linking method on neurite response to microencapsulated neurotrophin-producing fibroblasts. <i>Journal of Microencapsulation</i> , 2011 , 28, 353-62	3.4	10
38	Acute administration of AMPA/Kainate blocker combined with delayed transplantation of neural precursors improves lower urinary tract function in spinal injured rats. <i>Brain Research</i> , 2011 , 1418, 23-31	3.7	10
37	Grafting of genetically modified fibroblasts into the injured spinal cord. <i>Progress in Brain Research</i> , 2000 , 128, 309-19	2.9	10
36	Neural Stem Cells and Gene Therapy: Prospects for Repairing the Injured Spinal Cord. <i>JAMA - Journal of the American Medical Association</i> , 2000 , 283, 2300	27.4	10
35	Harnessing neurovascular interaction to guide axon growth. <i>Scientific Reports</i> , 2019 , 9, 2190	4.9	10
34	Evaluation of the anatomical and functional consequences of repetitive mild cervical contusion using a model of spinal concussion. <i>Experimental Neurology</i> , 2015 , 271, 175-88	5.7	9
33	Implications of poly(N-isopropylacrylamide)-g-poly(ethylene glycol) with codissolved brain-derived neurotrophic factor injectable scaffold on motor function recovery rate following cervical dorsolateral funiculotomy in the rat. <i>Journal of Neurosurgery: Spine</i> , 2013 , 18, 641-52	2.8	9
32	Isolation and sequencing of the 5' end of the rat microtubule-associated protein (MAP1B)-encoding cDNA. <i>Gene</i> , 1996 , 171, 307-8	3.8	9
31	Involvement of protein kinase C in the axonal growth-promoting effect on spinal cord neurons by target-derived astrocytes. <i>Journal of Neurobiology</i> , 1994 , 25, 1593-612		9
30	Transplants of Neurotrophin-Producing Autologous Fibroblasts Promote Recovery of Treadmill Stepping in the Acute, Sub-Chronic, and Chronic Spinal Cat. <i>Journal of Neurotrauma</i> , 2017 , 34, 1858-1872	5.4	8
29	Structural analysis of the proximal region of the microtubule-associated protein 1B promoter. <i>Journal of Neurochemistry</i> , 1997 , 69, 910-9	6	8
28	Improved recombinant retroviral titers utilizing trichostatin A. <i>BioTechniques</i> , 2000 , 29, 884-90	2.5	8
27	The phylogenic expression of plasmolipin in the vertebrate nervous system. <i>Neurochemical Research</i> , 1991 , 16, 123-8	4.6	8
26	Behavioral and anatomical consequences of repetitive mild thoracic spinal cord contusion injury in the rat. <i>Experimental Neurology</i> , 2014 , 257, 57-69	5.7	7

25	Differential hormonal modulation of brain antigens recognized by the AB-2 monoclonal antibody. <i>Developmental Brain Research</i> , 1991 , 62, 91-8		7
24	Transplanting neural progenitors to build a neuronal relay across the injured spinal cord. <i>Neural Regeneration Research</i> , 2014 , 9, 1173-6	4.5	7
23	Spinal cord concussion: studying the potential risks of repetitive injury. <i>Neural Regeneration Research</i> , 2016 , 11, 58-60	4.5	7
22	Axonal regeneration of different tracts following transplants of human glial restricted progenitors into the injured spinal cord in rats. <i>Brain Research</i> , 2018 , 1686, 101-112	3.7	6
21	Glial restricted precursors maintain their permissive properties after long-term expansion but not following exposure to pro-inflammatory factors. <i>Brain Research</i> , 2015 , 1629, 113-25	3.7	6
20	Tau-like proteins in the nervous system of goldfish. <i>Neurochemical Research</i> , 1997 , 22, 1511-6	4.6	6
19	Neural Progenitor Cells Promote Axonal Growth and Alter Axonal mRNA Localization in Adult Neurons. <i>ENeuro</i> , 2017 , 4,	3.9	6
18	Heptamer Peptide Disassembles Native Amyloid in Human Plasma Through Heat Shock Protein 70. <i>Rejuvenation Research</i> , 2018 , 21, 527-534	2.6	5
17	Induction of lysosomal glycosidases by dibutyryl cAMP in neuroblastoma cells. <i>Neurochemical Research</i> , 1986 , 11, 589-98	4.6	5
16	Preparation of a cell-free system from Chinese hamster ovary cells that translates natural and synthetic messenger ribonucleic acid templates. <i>Methods in Enzymology</i> , 1983 , 101, 629-35	1.7	5
15	Retinoic Acid Induces MAP-2-Containing Neurites in Mouse Neuroblastoma Cells. <i>Annals of the New York Academy of Sciences</i> , 1986 , 466, 429-430	6.5	5
14	Examining the properties and therapeutic potential of glial restricted precursors in spinal cord injury. <i>Neural Regeneration Research</i> , 2016 , 11, 529-33	4.5	5
13	Preparation of Neural Stem Cells and Progenitors: Neuronal Production and Grafting Applications. <i>Methods in Molecular Biology</i> , 2021 , 2311, 73-108	1.4	3
12	Injectable multifunctional scaffold for spinal cord repair 2010 ,		2
11	Cell replacement in spinal cord injury 445-467		2
10	Purification and immunological characterization of acid beta-galactosidase from dog liver. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993 , 106, 373-82		2
9	Induction of MAP1B phosphorylation in target-deprived afferent fibers after kainic acid lesion in the adult rat 1998 , 396, 193		2
8	Expression of the plasma membrane proteolipid in mouse neuroblastoma cells: transient increase in synthesis during differentiation with N6,O2-dibutyryl adenosine 3',5'-cyclic monophosphate. <i>Pathobiology</i> , 1989 , 57, 131-8	3.6	1

7	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B		1
6	Intrathecal Delivery of Stem Cells to the Spinal Cord. <i>Neuromethods</i> , 2010 , 219-232	0.4	1
5	Marion Murray, PhD. <i>Journal of Neurotrauma</i> , 2019 , 36, 189	5.4	1
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