Xiao-song Gu

List of Publications by Year
in descending order

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153 papers	9,056 citations	29994 54 h-index	48187 88 g-index
158 all docs	158 docs citations	158 times ranked	8771 citing authors

#	Article	IF	Citations
1	Spatiotemporal Dynamics of the Molecular Expression Pattern and Intercellular Interactions in the Glial Scar Response to Spinal Cord Injury. Neuroscience Bulletin, 2023, 39, 213-244.	1.5	21
2	BMSC-derived extracellular matrix better optimizes the microenvironment to support nerve regeneration. Biomaterials, 2022, 280, 121251.	5.7	31
3	Tissue Engineering and Regulatory Science. Engineering, 2022, 13, 9-12.	3.2	3
4	Silencing the enhancer of zeste homologue 2, Ezh2, represses axon regeneration of dorsal root ganglion neurons. Neural Regeneration Research, 2022, 17, 1518.	1.6	8
5	SKP-SC-EVs Mitigate Denervated Muscle Atrophy by Inhibiting Oxidative Stress and Inflammation and Improving Microcirculation. Antioxidants, 2022, 11, 66.	2.2	18
6	Identification of Neuronal Cells in Sciatic Nerves of Adult Rats. Frontiers in Cellular Neuroscience, 2022, 16, 816814.	1.8	0
7	Brachial plexus bridging with specific extracellular matrix-modified chitosan/silk scaffold: a new expand of tissue engineered nerve graft. Journal of Neural Engineering, 2022, 19, 026010.	1.8	7
8	Combined Use of Chitosan-PGLA Nerve Grafts and Bone Marrow Mononuclear Cells to Repair a 50-mm-long Median Nerve Defect Combined with an 80-mm-long Ulnar Nerve Defect in the Human Upper Arm. Current Stem Cell Research and Therapy, 2022, 17, 389-397.	0.6	1
9	Evolution of the ErbB gene family and analysis of regulators of Egfr expression during development of the rat spinal cord. Neural Regeneration Research, 2022, 17, 2484.	1.6	1
10	Singleâ€cell sequencing reveals microglia induced angiogenesis by specific subsets of endothelial cells following spinal cord injury. FASEB Journal, 2022, 36, .	0.2	9
11	Heterogeneity analysis of astrocytes following spinal cord injury at singleâ€cell resolution. FASEB Journal, 2022, 36, .	0.2	22
12	Molecular Regulatory Mechanism and Toxicology of Neurodegenerative Processes in MPTP/Probenecid-Induced Progressive Parkinsonâ€™s Disease Mice Model Revealed by Transcriptome. Molecular Neurobiology, 2021, 58, 603-616.	1.9	13
13	Cell populations in neonatal rat peripheral nerves identified by singleâ€cell transcriptomics. Glia, 2021, 69, 765-778.	2.5	22
14	Protective effects and molecular mechanisms of Achyranthes bidentata polypeptide k on Schwann cells. Annals of Translational Medicine, 2021, 9, 381-381.	0.7	3
15	miR-20a Promotes the Axon Regeneration of DRG Neurons by Targeting Nr4a3. Neuroscience Bulletin, 2021, 37, 569-574.	1.5	8
16	Global alternative splicing landscape of skeletal muscle atrophy induced by hindlimb unloading. Annals of Translational Medicine, 2021, 9, 643-643.	0.7	6
17	Rationally Designed, Selfâ€Assembling, Multifunctional Hydrogel Depot Repairs Severe Spinal Cord Injury. Advanced Healthcare Materials, 2021, 10, e2100242.	3.9	22
18	Amyotrophic Lateral Sclerosis: Molecular Mechanisms, Biomarkers, and Therapeutic Strategies. Antioxidants, 2021, 10, 1012.	2.2	34

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19	Loc680254 regulates Schwann cell proliferation through Psrc1 and Ska1 as a <scp>microRNA</scp> sponge following sciatic nerve injury. Glia, 2021, 69, 2391-2403.	2.5	11
20	Bionic microenvironment-inspired synergistic effect of anisotropic micro-nanocomposite topology and biology cues on peripheral nerve regeneration. Science Advances, 2021, 7, .	4.7	42
21	Repair of peripheral nerve defects by nerve grafts incorporated with extracellular vesicles from skin-derived precursor Schwann cells. Acta Biomaterialia, 2021, 134, 190-203.	4.1	38
22	Minocycline alleviates peripheral nerve adhesion by promoting regulatory macrophage polarization via the TAK1 and its downstream pathway. Life Sciences, 2021, 276, 119422.	2.0	7
23	Bidentatide, a Novel Plant Peptide Derived from Achyranthes bidentata Blume: Isolation, Characterization, and Neuroprotection through Inhibition of NR2B-Containing NMDA Receptors. International Journal of Molecular Sciences, 2021, 22, 7977.	1.8	5
24	Transcriptome Analysis of Immune Receptor Activation and Energy Metabolism Reduction as the Underlying Mechanisms in Interleukin-6-Induced Skeletal Muscle Atrophy. Frontiers in Immunology, 2021, 12, 730070.	2.2	11
25	Klf2-Vav1-Rac1 axis promotes axon regeneration after peripheral nerve injury. Experimental Neurology, 2021, 343, 113788.	2.0	10
26	Biocompatibility and biosafety of butterfly wings for the clinical use of tissue-engineered nerve grafts. Neural Regeneration Research, 2021, 16, 1606.	1.6	6
27	Deciphering glial scar after spinal cord injury. Burns and Trauma, 2021, 9, tkab035.	2.3	23
28	BUB1B and circBUB1B_544aa aggravate multiple myeloma malignancy through evoking chromosomal instability. Signal Transduction and Targeted Therapy, 2021, 6, 361.	7.1	27
29	Biodegradable Materials and the Tissue Engineering of Nerves. Engineering, 2021, 7, 1700-1703.	3.2	17
30	Biodegradable materials for bone defect repair. Military Medical Research, 2020, 7, 54.	1.9	121
31	First-Principle Insight Into the Effects of Oxygen Vacancies on the Electronic, Photocatalytic, and Optical Properties of Monoclinic BiVO4(001). Frontiers in Chemistry, 2020, 8, 601983.	1.8	13
32	Bilateral radial collateral ligament rupture in a shoemaker. Medicine (United States), 2020, 99, e20126.	0.4	0
33	Sliced Human Cortical Organoids for Modeling Distinct Cortical Layer Formation. Cell Stem Cell, 2020, 26, 766-781.e9.	5.2	268
34	Open versus endoscopic carpal tunnel release: a systematic review and meta-analysis of randomized controlled trials. BMC Musculoskeletal Disorders, 2020, 21, 272.	0.8	63
35	The long noncoding RNA Arrl1 inhibits neurite outgrowth by functioning as a competing endogenous RNA during neuronal regeneration in rats. Journal of Biological Chemistry, 2020, 295, 8374-8386.	1.6	28
36	Inhibition of IL-6/JAK/STAT3 pathway rescues denervation-induced skeletal muscle atrophy. Annals of Translational Medicine, 2020, 8, 1681-1681.	0.7	54

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37	Scaffolds for peripheral nerve repair and reconstruction. Experimental Neurology, 2019, 319, 112761.	2.0	106
38	Visible-light-responsive photocatalyst with a microsphere structure: preparation and photocatalytic performance of CQDs@BiOCl. Journal of Materials Science: Materials in Electronics, 2019, 30, 16321-16336.	1.1	14
39	A Schwann cellâ€“enriched circular RNA circâ€Ankib1 regulates Schwann cell proliferation following peripheral nerve injury. FASEB Journal, 2019, 33, 12409-12424.	0.2	23
40	Skeletal Muscle Atrophy Was Alleviated by Salidroside Through Suppressing Oxidative Stress and Inflammation During Denervation. Frontiers in Pharmacology, 2019, 10, 997.	1.6	40
41	Dysregulated Transcription Factor TFAP2A After Peripheral Nerve Injury Modulated Schwann Cell Phenotype. Neurochemical Research, 2019, 44, 2776-2785.	1.6	11
42	Suppression of astrocytic autophagy by Î±B-crystallin contributes to Î±-synuclein inclusion formation. Translational Neurodegeneration, 2019, 8, 3.	3.6	36
43	Tissue-engineered nerve grafts using a scaffold-independent and injectable drug delivery system: a novel design with translational advantages. Journal of Neural Engineering, 2019, 16, 036030.	1.8	11
44	Tau modulated Schwann cell proliferation, migration, and differentiation following peripheral nerve injury. Journal of Cell Science, 2019, 132, .	1.2	32
45	Differential Circular RNA Expression Profiles Following Spinal Cord Injury in Rats: A Temporal and Experimental Analysis. Frontiers in Neuroscience, 2019, 13, 1303.	1.4	33
46	The Landscape of Gene Expression and Molecular Regulation Following Spinal Cord Hemisection in Rats. Frontiers in Molecular Neuroscience, 2019, 12, 287.	1.4	17
47	Combination of biomaterial transplantation and genetic enhancement of intrinsic growth capacities to promote CNS axon regeneration after spinal cord injury. Frontiers of Medicine, 2019, 13, 131-137.	1.5	14
48	Tubulation repair mitigates misdirection of regenerating motor axons across a sciatic nerve gap in rats. Scientific Reports, 2018, 8, 3443.	1.6	22
49	Electrospun silk fibroinâ€based neural scaffold for bridging a long sciatic nerve gap in dogs. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1143-e1153.	1.3	65
50	<scp>Achyranthes bidentata</scp> polypeptide protects dopaminergic neurons from apoptosis in Parkinson's disease models both in vitro and in vivo. British Journal of Pharmacology, 2018, 175, 631-643.	2.7	49
51	Transcriptomic Landscapes of Immune Response and Axonal Regeneration by Integrative Analysis of Molecular Pathways and Interactive Networks Post-sciatic Nerve Transection. Frontiers in Neuroscience, 2018, 12, 457.	1.4	11
52	Alternative RNA splicing associated with axon regeneration after rat peripheral nerve injury. Experimental Neurology, 2018, 308, 80-89.	2.0	15
53	Reactivation of Dormant Relay Pathways in Injured Spinal Cord by KCC2 Manipulations. Cell, 2018, 174, 521-535.e13.	13.5	165
54	Comparative transcriptomic profiling of peripheral efferent and afferent nerve fibres at different developmental stages in mice. Scientific Reports, 2018, 8, 11990.	1.6	1

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55	Morphology, Migration, and Transcriptome Analysis of Schwann Cell Culture on Butterfly Wings with Different Surface Architectures. ACS Nano, 2018, 12, 9660-9668.	7.3	32
56	lncRNA TNXA-PS1 Modulates Schwann Cells by Functioning As a Competing Endogenous RNA Following Nerve Injury. Journal of Neuroscience, 2018, 38, 6574-6585.	1.7	40
57	miR-129 controls axonal regeneration via regulating insulin-like growth factor-1 in peripheral nerve injury. Cell Death and Disease, 2018, 9, 720.	2.7	37
58	Achyranthes bidentata polypeptide protects dopaminergic neurons from apoptosis induced by rotenone and 6-hydroxydopamine. Neural Regeneration Research, 2018, 13, 1981.	1.6	6
59	MiR-340 Regulates Fibrinolysis and Axon Regrowth Following Sciatic Nerve Injury. Molecular Neurobiology, 2017, 54, 4379-4389.	1.9	52
60	Application of marrow mesenchymal stem cell-derived extracellular matrix in peripheral nerve tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2250-2260.	1.3	42
61	Chitosan degradation products facilitate peripheral nerve regeneration by improving macrophage-constructed microenvironments. Biomaterials, 2017, 134, 64-77.	5.7	113
62	Chinaâ€™s landscape in regenerative medicine. Biomaterials, 2017, 124, 78-94.	5.7	18
63	Noncoding RNAs and Their Potential Therapeutic Applications in Tissue Engineering. Engineering, 2017, 3, 3-15.	3.2	16
64	Biophysical Regulation of Cell Behaviorâ€”Cross Talk between Substrate Stiffness and Nanotopography. Engineering, 2017, 3, 36-54.	3.2	193
65	Bone marrow mesenchymal stem cell-derived acellular matrix-coated chitosan/silk scaffolds for neural tissue regeneration. Journal of Materials Chemistry B, 2017, 5, 1246-1257.	2.9	36
66	A Sensitized IGF1 Treatment Restores Corticospinal Axon-Dependent Functions. Neuron, 2017, 95, 817-833.e4.	3.8	155
67	Extracellular Matrix Scaffolds for Tissue Engineering and Regenerative Medicine. Current Stem Cell Research and Therapy, 2017, 12, 233-246.	0.6	124
68	Microarray and qPCR Analyses of Wallerian Degeneration in Rat Sciatic Nerves. Frontiers in Cellular Neuroscience, 2017, 11, 22.	1.8	45
69	Potential Involvement of Snail Members in Neuronal Survival and Astrocytic Migration during the Gecko Spinal Cord Regeneration. Frontiers in Cellular Neuroscience, 2017, 11, 113.	1.8	3
70	Overlapping Mechanisms of Peripheral Nerve Regeneration and Angiogenesis Following Sciatic Nerve Transection. Frontiers in Cellular Neuroscience, 2017, 11, 323.	1.8	55
71	Macrophage migration inhibitory factor activates inflammatory responses of astrocytes through interaction with CD74 receptor. Oncotarget, 2017, 8, 2719-2730.	0.8	59
72	Elevated Hapln2 Expression Contributes to Protein Aggregation and Neurodegeneration in an Animal Model of Parkinson's Disease. Frontiers in Aging Neuroscience, 2016, 8, 197.	1.7	15

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73	Ingenuity Pathway Analysis of Gene Expression Profiles in Distal Nerve Stump following Nerve Injury: Insights into Wallerian Degeneration. Frontiers in Cellular Neuroscience, 2016, 10, 274.	1.8	76
74	Fibroblastâ€derived tenascinâ€<scp>C</scp> promotes <scp>S</scp>chwann cell migration through Î²1â€integrin dependent pathway during peripheral nerve regeneration. Glia, 2016, 64, 374-385.	2.5	63
75	Repair of Rat Sciatic Nerve Defects by Using Allogeneic Bone Marrow Mononuclear Cells Combined with Chitosan/Silk Fibroin Scaffold. Cell Transplantation, 2016, 25, 983-993.	1.2	28
76	Rab8a/Rab11a regulate intercellular communications between neural cells via tunneling nanotubes. Cell Death and Disease, 2016, 7, e2523-e2523.	2.7	27
77	Non-coding RNAs as Emerging Regulators of Neural Injury Responses and Regeneration. Neuroscience Bulletin, 2016, 32, 253-264.	1.5	57
78	Global analysis of transcriptome in dorsal root ganglia following peripheral nerve injury in rats. Biochemical and Biophysical Research Communications, 2016, 478, 206-212.	1.0	47
79	Regulation of Schwann cell proliferation and migration by miR-1 targeting brain-derived neurotrophic factor after peripheral nerve injury. Scientific Reports, 2016, 6, 29121.	1.6	91
80	Chitosan Degradation Products Promote Nerve Regeneration by Stimulating Schwann Cell Proliferation via miR-27a/FOXO1 Axis. Molecular Neurobiology, 2016, 53, 28-39.	1.9	79
81	Derivation of Schwann cell precursors from neural crest cells resident in bone marrow for cell therapy to improve peripheral nerve regeneration. Biomaterials, 2016, 89, 25-37.	5.7	27
82	Hypoxia-Induced Upregulation of miR-132 Promotes Schwann Cell Migration After Sciatic Nerve Injury by Targeting PRKAG3. Molecular Neurobiology, 2016, 53, 5129-5139.	1.9	45
83	Electrospun, Reinforcing Network-Containing, Silk Fibroin-Based Nerve Guidance Conduits for Peripheral Nerve Repair. Journal of Biomaterials and Tissue Engineering, 2016, 6, 53-60.	0.0	12
84	Angiogenesis in tissue-engineered nerves evaluated objectively using MICROFIL perfusion and micro-CT scanning. Neural Regeneration Research, 2016, 11, 168.	1.6	24
85	The transcriptional landscape of dorsal root ganglia after sciatic nerve transection. Scientific Reports, 2015, 5, 16888.	1.6	69
86	Long nonâ€coding <scp>RNA</scp> uc.217 regulates neurite outgrowth in dorsal root ganglion neurons following peripheral nerve injury. European Journal of Neuroscience, 2015, 42, 1718-1725.	1.2	55
87	Deep Sequencing and Bioinformatic Analysis of Lesioned Sciatic Nerves after Crush Injury. PLoS ONE, 2015, 10, e0143491.	1.1	91
88	miR-21 and miR-222 inhibit apoptosis of adult dorsal root ganglion neurons by repressing TIMP3 following sciatic nerve injury. Neuroscience Letters, 2015, 586, 43-49.	1.0	45
89	Tissue Engineering in Peripheral Nerve Regeneration. , 2015, , 73-99.		10
90	Identification of a Vav2-dependent mechanism for GDNF/Ret control of mesolimbic DAT trafficking. Nature Neuroscience, 2015, 18, 1084-1093.	7.1	37

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91	Expression and identification of olfactory receptors in sciatic nerve and dorsal root ganglia of rats. Neuroscience Letters, 2015, 600, 171-175.	1.0	7
92	Progress and perspectives of neural tissue engineering. Frontiers of Medicine, 2015, 9, 401-411.	1.5	49
93	The regulatory roles of non-coding RNAs in nerve injury and regeneration. Progress in Neurobiology, 2015, 134, 122-139.	2.8	85
94	Let-7 microRNAs Regenerate Peripheral Nerve Regeneration by Targeting Nerve Growth Factor. Molecular Therapy, 2015, 23, 423-433.	3.7	124
95	Stem Cell and Peripheral Nerve Regeneration. Translational Medicine Research, 2015, , 219-246.	0.0	1
96	Scar-modulating treatments for central nervous system injury. Neuroscience Bulletin, 2014, 30, 967-984.	1.5	15
97	PCAF Improves Glucose Homeostasis by Suppressing the Gluconeogenic Activity of PGC-1Î±. Cell Reports, 2014, 9, 2250-2262.	2.9	59
98	miR-9 inhibits Schwann cell migration by targeting CTHRC1 following sciatic nerve injury. Journal of Cell Science, 2014, 127, 967-76.	1.2	62
99	Neurotrophic and neuroprotective actions of Achyranthes bidentata polypeptides on cultured dorsal root ganglia of rats and on crushed common peroneal nerve of rabbits. Neuroscience Letters, 2014, 562, 7-12.	1.0	19
100	Neural tissue engineering options for peripheral nerve regeneration. Biomaterials, 2014, 35, 6143-6156.	5.7	523
101	Chitosan/silk fibroin-based, Schwann cell-derived extracellular matrix-modified scaffolds for bridging rat sciatic nerve gaps. Biomaterials, 2014, 35, 2253-2263.	5.7	225
102	Porous chitosan scaffolds with surface micropatterning and inner porosity and their effects on Schwann cells. Biomaterials, 2014, 35, 8503-8513.	5.7	87
103	Basic Fibroblast Growth Factor (bFGF) Facilitates Differentiation of Adult Dorsal Root Ganglia-Derived Neural Stem Cells Toward Schwann Cells by Binding to FGFR-1 Through MAPK/ERK Activation. Journal of Molecular Neuroscience, 2014, 52, 538-551.	1.1	19
104	Signaling pathways regulating dose-dependent dual effects of TNF-Î± on primary cultured Schwann cells. Molecular and Cellular Biochemistry, 2013, 378, 237-246.	1.4	27
105	Altered long noncoding RNA expressions in dorsal root ganglion after rat sciatic nerve injury. Neuroscience Letters, 2013, 534, 117-122.	1.0	59
106	Expression changes and bioinformatic analysis of Wallerian degeneration after sciatic nerve injury in rat. Neuroscience Bulletin, 2013, 29, 321-332.	1.5	40
107	Long-term outcome of the repair of 50Âmm long median nerve defects in rhesus monkeys with marrow mesenchymal stem cells-containing, chitosan-based tissue engineered nerve grafts. Biomaterials, 2013, 34, 100-111.	5.7	117
108	Biocompatibility evaluation of electrospun silk fibroin nanofibrous mats with primarily cultured rat hippocampal neurons. Bio-Medical Materials and Engineering, 2013, 23, 545-554.	0.4	14

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109	Differential Gene Expression Profiling and Biological Process Analysis in Proximal Nerve Segments after Sciatic Nerve Transection. PLoS ONE, 2013, 8, e57000.	1.1	67
110	Neurological function following intra-neural injection of fluorescent neuronal tracers in rats. Neural Regeneration Research, 2013, 8, 1253-61.	1.6	12
111	miR-182 inhibits Schwann cell proliferation and migration by targeting FGF9 and NTM, respectively at an early stage following sciatic nerve injury. Nucleic Acids Research, 2012, 40, 10356-10365.	6.5	127
112	miR-221/222 promote Schwann cell proliferation and migration by targeting LASS2 following sciatic nerve injury. Journal of Cell Science, 2012, 125, 2675-83.	1.2	101
113	Joint Use of a Chitosan/PLGA Scaffold and MSCs to Bridge an Extra Large Gap in Dog Sciatic Nerve. Neurorehabilitation and Neural Repair, 2012, 26, 96-106.	1.4	73
114	Repairing rat sciatic nerve injury by a nerveâ€growthâ€factorâ€loaded, chitosanâ€based nerve conduit. Biotechnology and Applied Biochemistry, 2012, 59, 388-394.	1.4	34
115	Gene Network Revealed Involvements of Birc2, Birc3 and Tnfrsf1a in Anti-Apoptosis of Injured Peripheral Nerves. PLoS ONE, 2012, 7, e43436.	1.1	36
116	Surgical repair of a 30 mm long human median nerve defect in the distal forearm by implantation of a chitosan-PGA nerve guidance conduit. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 163-168.	1.3	51
117	Comparative Proteomic Analysis of Differentially Expressed Proteins between Peripheral Sensory and Motor Nerves. Journal of Proteome Research, 2012, 11, 3077-3089.	1.8	26
118	Bridging peripheral nerve defects with a tissue engineered nerve graft composed of an inÂvitro cultured nerve equivalent and a silk fibroin-based scaffold. Biomaterials, 2012, 33, 3860-3867.	5.7	79
119	The influence of substrate stiffness on the behavior and functions of Schwann cells in culture. Biomaterials, 2012, 33, 6672-6681.	5.7	130
120	Identification and functional analysis of novel microâ€rnas in rat dorsal root ganglia after sciatic nerve resection. Journal of Neuroscience Research, 2012, 90, 791-801.	1.3	19
121	microRNA-222 Targeting PTEN Promotes Neurite Outgrowth from Adult Dorsal Root Ganglion Neurons following Sciatic Nerve Transection. PLoS ONE, 2012, 7, e44768.	1.1	91
122	Repair of Rat Sciatic Nerve Gap by a Silk Fibroin-Based Scaffold Added with Bone Marrow Mesenchymal Stem Cells. Tissue Engineering - Part A, 2011, 17, 2231-2244.	1.6	104
123	Nerve conduits based on immobilization of nerve growth factor onto modified chitosan by using genipin as a crosslinking agent. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 519-525.	2.0	71
124	Altered microRNA expression following sciatic nerve resection in dorsal root ganglia of rats. Acta Biochimica Et Biophysica Sinica, 2011, 43, 909-915.	0.9	39
125	Early changes of microRNAs expression in the dorsal root ganglia following rat sciatic nerve transection. Neuroscience Letters, 2011, 494, 89-93.	1.0	51
126	Construction of tissue engineered nerve grafts and their application in peripheral nerve regeneration. Progress in Neurobiology, 2011, 93, 204-230.	2.8	520

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127	Identification and functional annotation of novel microRNAs in the proximal sciatic nerve after sciatic nerve transection. Science China Life Sciences, 2011, 54, 806-812.	2.3	29
128	Profile of MicroRNAs following Rat Sciatic Nerve Injury by Deep Sequencing: Implication for Mechanisms of Nerve Regeneration. PLoS ONE, 2011, 6, e24612.	1.1	79
129	Achyranthes bidentata polypeptides confer neuroprotection through inhibition of reactive oxygen species production, Bax expression, and mitochondrial dysfunction induced by overstimulation of Nâ€methylâ€Dâ€aspartate receptors. Journal of Neuroscience Research, 2010, 88, 669-676.	1.3	22
130	Isolation and differentiation of neural stem/progenitor cells from fetal rat dorsal root ganglia. Science China Life Sciences, 2010, 53, 1057-1064.	2.3	10
131	Neurotrophic Actions of Bone Marrow Stromal Cells on Primary Culture of Dorsal Root Ganglion Tissues and Neurons. Journal of Molecular Neuroscience, 2010, 40, 332-341.	1.1	50
132	The protective effects of Achyranthes bidentata polypeptides in an experimental model of mouse sciatic nerve crush injury. Brain Research Bulletin, 2010, 81, 25-32.	1.4	56
133	Use of Tissue-Engineered Nerve Grafts Consisting of a Chitosan/Poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Nerve Gaps. Tissue Engineering - Part A, 2010, 16, 3779-3790.	1.6	100
134	Achyranthes bidentata Blume extract promotes neuronal growth in cultured embryonic rat hippocampal neurons. Progress in Natural Science: Materials International, 2009, 19, 549-555.	1.8	12
135	Bone marrow mesenchymal stem cells promote cell proliferation and neurotrophic function of Schwann cells in vitro and in vivo. Brain Research, 2009, 1262, 7-15.	1.1	116
136	Fabrication and Evaluation of Chitinâ€Based Nerve Guidance Conduits Used to Promote Peripheral Nerve Regeneration. Advanced Engineering Materials, 2009, 11, B209.	1.6	7
137	Evaluation on in vitro biocompatibility of silk fibroinâ€based biomaterials with primarily cultured hippocampal neurons. Journal of Biomedical Materials Research - Part A, 2009, 91A, 166-174.	2.1	79
138	Chitooligosaccharides promote peripheral nerve regeneration in a rabbit common peroneal nerve crush injury model. Microsurgery, 2009, 29, 650-656.	0.6	35
139	Effects of Bone Marrow Stromal Cell-conditioned Medium on Primary Cultures of Peripheral Nerve Tissues and Cells. Neurochemical Research, 2009, 34, 1685-1694.	1.6	21
140	Chitosan/polyglycolic acid nerve grafts for axon regeneration from prolonged axotomized neurons to chronically denervated segments. Biomaterials, 2009, 30, 5004-5018.	5.7	72
141	Effect of chitooligosaccharide on neuronal differentiation of PCâ€12 cells. Cell Biology International, 2009, 33, 352-356.	1.4	57
142	The promotion of peripheral nerve regeneration by chitooligosaccharides in the rat nerve crush injury model. Neuroscience Letters, 2009, 454, 239-243.	1.0	60
143	Polyglycolic acid filaments guide Schwann cell migration inÂvitro and inÂvivo. Biotechnology Letters, 2008, 30, 1937-1942.	1.1	30
144	Repairing a 35â€mmâ€long median nerve defect with a chitosan/PGA artificial nerve graft in the human: A case study. Microsurgery, 2008, 28, 238-242.	0.6	71

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145	Morphological and Functional Characterization of Predifferentiation of Myelinating Glia-Like Cells from Human Bone Marrow Stromal Cells Through Activation of F3/Notch Signaling in Mouse Retina. Stem Cells, 2008, 26, 580-590.	1.4	50
146	Chitooligosaccharides protect cultured hippocampal neurons against glutamate-induced neurotoxicity. Neuroscience Letters, 2008, 444, 270-274.	1.0	59
147	The protective effects of Achyranthes bidentata polypeptides against NMDA-induced cell apoptosis in cultured hippocampal neurons through differential modulation of NR2A- and NR2B-containing NMDA receptors. Brain Research Bulletin, 2008, 77, 274-281.	1.4	56
148	Biocompatibility evaluation of silk fibroin with peripheral nerve tissues and cells in vitro. Biomaterials, 2007, 28, 1643-1652.	5.7	293
149	Development and evaluation of silk fibroin-based nerve grafts used for peripheral nerve regeneration. Biomaterials, 2007, 28, 5526-5535.	5.7	291
150	Study of in vivo differentiation of rat bone marrow stromal cells into schwann cell-like cells. Microsurgery, 2006, 26, 111-115.	0.6	85
151	Dog sciatic nerve regeneration across a 30-mm defect bridged by a chitosan/PGA artificial nerve graft. Brain, 2005, 128, 1897-1910.	3.7	264
152	Fabrication and properties of a porous chitin/chitosan conduit for nerve regeneration. Biotechnology Letters, 2004, 26, 1793-1797.	1.1	65
153	The interaction of Schwann cells with chitosan membranes and fibers in vitro. Biomaterials, 2004, 25, 4273-4278.	5.7	260