

Macrophage-Induced Blood Vessels Guide Schwann Cell Peripheral Nerves

Cell

162, 1127-1139

DOI: [10.1016/j.cell.2015.07.021](https://doi.org/10.1016/j.cell.2015.07.021)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Role of macrophages in Wallerian degeneration and axonal regeneration after peripheral nerve injury. <i>Acta Neuropathologica</i> , 2015, 130, 605-618. | 3.9 | 358 |
| 2 | Migration of Adipose-derived Mesenchymal Stem Cells Stably Expressing Chondroitinase ABC In vitro. <i>Chinese Medical Journal</i> , 2016, 129, 1592-1599. | 0.9 | 9 |
| 3 | Nano- and microstructured materials for in vitro studies of the physiology of vascular cells. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1620-1641. | 1.5 | 38 |
| 4 | Preventive Effects of the Chinese Herbal Medicine Prescription Tangkuei Decoction for Frigid Extremities on Sciatic Neuropathy in Streptozotocin-Induced Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-11. | 0.5 | 0 |
| 5 | Enhanced Immune Response in Immunodeficient Mice Improves Peripheral Nerve Regeneration Following Axotomy. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 151. | 1.8 | 34 |
| 6 | The repair Schwann cell and its function in regenerating nerves. <i>Journal of Physiology</i> , 2016, 594, 3521-3531. | 1.3 | 793 |
| 7 | The multicellular complexity of peripheral nerve regeneration. <i>Current Opinion in Neurobiology</i> , 2016, 39, 38-46. | 2.0 | 168 |
| 8 | Replicative capacity of β -cells and type 1 diabetes. <i>Journal of Autoimmunity</i> , 2016, 71, 59-68. | 3.0 | 32 |
| 9 | Promoting peripheral myelin repair. <i>Experimental Neurology</i> , 2016, 283, 573-580. | 2.0 | 38 |
| 10 | Metabolic reprogramming by the pyruvate dehydrogenase kinase-lactic acid axis: Linking metabolism and diverse neuropathophysiology. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 1-19. | 2.9 | 49 |
| 11 | Myelinated and unmyelinated nerve fibers reinnervate tissue-engineered dermo-epidermal human skin analogs in an in vivo model. <i>Pediatric Surgery International</i> , 2016, 32, 1183-1191. | 0.6 | 6 |
| 12 | ProBDNF inhibits collective migration and chemotaxis of rat Schwann cells. <i>Tissue and Cell</i> , 2016, 48, 503-510. | 1.0 | 4 |
| 13 | Focal Adhesion-Independent Cell Migration. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 469-490. | 4.0 | 270 |
| 14 | Reconnecting Eye to Brain. <i>Journal of Neuroscience</i> , 2016, 36, 10707-10722. | 1.7 | 73 |
| 15 | Enhanced axonal regeneration of the injured sciatic nerve by administration of Buyang Huanwu decoction. <i>Journal of Ethnopharmacology</i> , 2016, 194, 626-634. | 2.0 | 16 |
| 16 | Current state of stem cell-mediated therapies for facial nerve injury. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2016, 24, 285-293. | 0.8 | 8 |
| 17 | Micro-Nanostructured Polyaniline Assembled in Cellulose Matrix via Interfacial Polymerization for Applications in Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17090-17097. | 4.0 | 117 |
| 18 | Macrophages in Tissue Repair, Regeneration, and Fibrosis. <i>Immunity</i> , 2016, 44, 450-462. | 6.6 | 2,591 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Myeloid-Derived Vascular Endothelial Growth Factor and Hypoxia-Inducible Factor Are Dispensable for Ocular Neovascularizationâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 19-24. | 1.1 | 39 |
| 20 | Engineered matrices for skeletal muscle satellite cell engraftment and function. <i>Matrix Biology</i> , 2017, 60-61, 96-109. | 1.5 | 30 |
| 21 | CNS repair and axon regeneration: Using genetic variation to determine mechanisms. <i>Experimental Neurology</i> , 2017, 287, 409-422. | 2.0 | 24 |
| 22 | Long-term usability and bio-integration of polyimide-based intra-neural stimulating electrodes. <i>Biomaterials</i> , 2017, 122, 114-129. | 5.7 | 132 |
| 23 | Schwann cell interactions with axons and microvessels in diabetic neuropathy. <i>Nature Reviews Neurology</i> , 2017, 13, 135-147. | 4.9 | 202 |
| 24 | Noncovalent Bonding of RGD and YIGSR to an Electrospun Poly(Îµ€Caprolactone) Conduit through Peptide Selfâ€Assembly to Synergistically Promote Sciatic Nerve Regeneration in Rats. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600860. | 3.9 | 66 |
| 25 | Î²1 integrin signaling promotes neuronal migration along vascular scaffolds in the post-stroke brain. <i>EBioMedicine</i> , 2017, 16, 195-203. | 2.7 | 84 |
| 26 | Combined Whartonâ€™s jelly derived mesenchymal stem cells and nerve guidance conduit: A potential promising therapy for peripheral nerve injuries. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 86, 67-76. | 1.2 | 24 |
| 27 | Metabolic origins of spatial organization in the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2934-2939. | 3.3 | 259 |
| 28 | Adipose-Derived Stem Cells in Peripheral Nerve Regeneration. <i>Current Surgery Reports</i> , 2017, 5, 1. | 0.4 | 8 |
| 29 | Sustained release of collagen <sc>VI</sc> potentiates sciatic nerve regeneration by modulating macrophage phenotype. <i>European Journal of Neuroscience</i> , 2017, 45, 1258-1267. | 1.2 | 35 |
| 30 | Surgical Treatment of Neuromas Improves Patient-Reported Pain, Depression, and Quality of Life. <i>Plastic and Reconstructive Surgery</i> , 2017, 139, 407-418. | 0.7 | 62 |
| 31 | How Schwann cells facilitate cancer progression in nerves. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4405-4420. | 2.4 | 71 |
| 32 | A Nerve Conduit Containing a Vascular Bundle and Implanted with Bone Marrow Stromal Cells and Decellularized Allogenic Nerve Matrix. <i>Cell Transplantation</i> , 2017, 26, 215-228. | 1.2 | 27 |
| 33 | Animal models for studying motor axon terminal paralysis and recovery. <i>Journal of Neurochemistry</i> , 2017, 142, 122-129. | 2.1 | 18 |
| 34 | Macrophage and nerve interaction in endometriosis. <i>Journal of Neuroinflammation</i> , 2017, 14, 53. | 3.1 | 97 |
| 35 | Human-Based Biological and Biomimetic Autologous Therapies for Musculoskeletal Tissue Regeneration. <i>Trends in Biotechnology</i> , 2017, 35, 192-202. | 4.9 | 47 |
| 36 | The Wound Microenvironment Reprograms Schwann Cells to Invasive Mesenchymal-like Cells to Drive Peripheral Nerve Regeneration. <i>Neuron</i> , 2017, 96, 98-114.e7. | 3.8 | 245 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Polymeric scaffolds for three-dimensional culture of nerve cells: a model of peripheral nerve regeneration. <i>MRS Communications</i> , 2017, 7, 391-415. | 0.8 | 18 |
| 38 | Chromatin-remodeling enzymes in control of Schwann cell development, maintenance and plasticity. <i>Current Opinion in Neurobiology</i> , 2017, 47, 24-30. | 2.0 | 26 |
| 39 | Cooperative interaction of hepatocyte growth factor and neuregulin regulates Schwann cell migration and proliferation through Grb2-associated binder-2 in peripheral nerve repair. <i>Glia</i> , 2017, 65, 1794-1808. | 2.5 | 22 |
| 40 | Microtopographical cues promote peripheral nerve regeneration via transient mTORC2 activation. <i>Acta Biomaterialia</i> , 2017, 60, 220-231. | 4.1 | 51 |
| 41 | Sciatic nerve repair using poly(ϵ -caprolactone) tubular prosthesis associated with nanoparticles of carbon and graphene. <i>Brain and Behavior</i> , 2017, 7, e00755. | 1.0 | 28 |
| 42 | Vein wrapping facilitates basic fibroblast growth factor-induced heme oxygenase-1 expression following chronic nerve constriction injury. <i>Journal of Orthopaedic Research</i> , 2018, 36, 898-905. | 1.2 | 7 |
| 43 | Aging Schwann cells: mechanisms, implications, future directions. <i>Current Opinion in Neurobiology</i> , 2017, 47, 203-208. | 2.0 | 34 |
| 44 | Keratinocytes produce IL-17c to protect peripheral nervous systems during human HSV-2 reactivation. <i>Journal of Experimental Medicine</i> , 2017, 214, 2315-2329. | 4.2 | 49 |
| 45 | Biomaterials for skeletal muscle tissue engineering. <i>Current Opinion in Biotechnology</i> , 2017, 47, 16-22. | 3.3 | 150 |
| 46 | Secreted Ectodomain of Sialic Acid-Binding Ig-Like Lectin-9 and Monocyte Chemoattractant Protein-1 Synergistically Regenerate Transected Rat Peripheral Nerves by Altering Macrophage Polarity. <i>Stem Cells</i> , 2017, 35, 641-653. | 1.4 | 38 |
| 47 | Platelet-rich plasma, a source of autologous growth factors and biomimetic scaffold for peripheral nerve regeneration. <i>Expert Opinion on Biological Therapy</i> , 2017, 17, 197-212. | 1.4 | 82 |
| 48 | Title is missing!. <i>Journal of Otolaryngology of Japan</i> , 2017, 120, 685-691. | 0.1 | 0 |
| 49 | ITRAQ-based quantitative proteomic analysis of <i>Cynops orientalis</i> limb regeneration. <i>BMC Genomics</i> , 2017, 18, 750. | 1.2 | 20 |
| 50 | The Origins and Functions of Tissue-Resident Macrophages in Kidney Development. <i>Frontiers in Physiology</i> , 2017, 8, 837. | 1.3 | 90 |
| 51 | Role of Netrin-1 Signaling in Nerve Regeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 491. | 1.8 | 94 |
| 52 | Overlapping Mechanisms of Peripheral Nerve Regeneration and Angiogenesis Following Sciatic Nerve Transection. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 323. | 1.8 | 55 |
| 53 | Molecular Mechanisms Involved in Schwann Cell Plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 38. | 1.4 | 142 |
| 54 | Effects of <i>Angelica</i> Extract on Schwann Cell Proliferation and Expressions of Related Proteins. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-9. | 0.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Peripheral denervation participates in heterotopic ossification in a spinal cord injury model. PLoS ONE, 2017, 12, e0182454. | 1.1 | 14 |
| 56 | Expression patterns of Slit and Robo family members in adult mouse spinal cord and peripheral nervous system. PLoS ONE, 2017, 12, e0172736. | 1.1 | 39 |
| 57 | Cell activity during peripheral nerve defect repair process using a nerve scaffold. Oncotarget, 2017, 8, 113828-113836. | 0.8 | 1 |
| 58 | The Role of Myeloid Lineage Cells on Skin Healing and Skin Regeneration. Journal of Tissue Science & Engineering, 2017, 08, . | 0.2 | 6 |
| 59 | An allogeneic "off the shelf"™ therapeutic strategy for peripheral nerve tissue engineering using clinical grade human neural stem cells. Scientific Reports, 2018, 8, 2951. | 1.6 | 43 |
| 60 | The role of Hedgehog-responsive fibroblasts in facial nerve regeneration. Experimental Neurology, 2018, 303, 72-79. | 2.0 | 13 |
| 61 | Cell-material interactions in tendon tissue engineering. Acta Biomaterialia, 2018, 70, 1-11. | 4.1 | 73 |
| 62 | Effects of 3 months continuous intake of supplement containing <i>Pantoea agglomerans</i> LPS to maintain normal bloodstream in adults: Parallel double-blind randomized controlled study. Food Science and Nutrition, 2018, 6, 197-206. | 1.5 | 7 |
| 63 | A histone deacetylase 3-dependent pathway delimits peripheral myelin growth and functional regeneration. Nature Medicine, 2018, 24, 338-351. | 15.2 | 76 |
| 64 | 3D Manufacture of Gold Nanocomposite Channels Facilitates Neural Differentiation and Regeneration. Advanced Functional Materials, 2018, 28, 1707077. | 7.8 | 61 |
| 65 | Dual Contribution of Mesenchymal Stem Cells Employed for Tissue Engineering of Peripheral Nerves: Trophic Activity and Differentiation into Connective-Tissue Cells. Stem Cell Reviews and Reports, 2018, 14, 200-212. | 5.6 | 6 |
| 66 | Angiogenesis precedes cardiomyocyte migration in regenerating mammalian hearts. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1118-1127.e1. | 0.4 | 52 |
| 67 | Developmental and adult-specific processes contribute to de novo neuromuscular regeneration in the lizard tail. Developmental Biology, 2018, 433, 287-296. | 0.9 | 23 |
| 68 | Mechanisms of erythrocyte development and regeneration: implications for regenerative medicine and beyond. Development (Cambridge), 2018, 145, . | 1.2 | 107 |
| 69 | Proteomic expression profile of injured rat peripheral nerves revealed biological networks and processes associated with nerve regeneration. Journal of Cellular Physiology, 2018, 233, 6207-6223. | 2.0 | 9 |
| 70 | Macrophage Depletion Ameliorates Peripheral Neuropathy in Aging Mice. Journal of Neuroscience, 2018, 38, 4610-4620. | 1.7 | 53 |
| 71 | Effects of Plasma Rich in Growth Factors on Cells and Tissues of Musculoskeletal System: from Articular Cartilage to Muscles and Nerves. , 2018, , 65-81. | | 0 |
| 72 | Fetal extracellular matrix nerve wraps locally improve peripheral nerve remodeling after complete transection and direct repair in rat. Scientific Reports, 2018, 8, 4474. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Whole Mount Immunostaining on Mouse Sciatic Nerves to Visualize Events of Peripheral Nerve Regeneration. <i>Methods in Molecular Biology</i> , 2018, 1739, 339-348. | 0.4 | 7 |
| 74 | Nerve stepping stone has minimal impact in aiding regeneration across long acellular nerve allografts. <i>Muscle and Nerve</i> , 2018, 57, 260-267. | 1.0 | 16 |
| 75 | Nerve-specific, xenogeneic extracellular matrix hydrogel promotes recovery following peripheral nerve injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 450-459. | 2.1 | 49 |
| 76 | Calcitonin gene-related peptide (CGRP): role in peripheral nerve regeneration. <i>Reviews in the Neurosciences</i> , 2018, 29, 369-376. | 1.4 | 21 |
| 77 | Stem cell-based approaches to enhance nerve regeneration and improve functional outcomes in vascularized composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018, 23, 577-581. | 0.8 | 2 |
| 78 | PRP Injections in Orthopaedic Surgery: Why, When and How to Use PRP Dynamic Liquid Scaffold Injections in Orthopaedic Surgery. , 2018, , . | | 4 |
| 79 | The regulation of the homeostasis and regeneration of peripheral nerve is distinct from the CNS and independent of a stem cell population. <i>Development (Cambridge)</i> , 2018, 145, . | 1.2 | 62 |
| 80 | Low-pressure micro-mechanical re-adaptation device sustainably and effectively improves locomotor recovery from complete spinal cord injury. <i>Communications Biology</i> , 2018, 1, 205. | 2.0 | 3 |
| 81 | Vascularization Strategies for Peripheral Nerve Tissue Engineering. <i>Anatomical Record</i> , 2018, 301, 1657-1667. | 0.8 | 70 |
| 82 | Dental pulp-derived stem cell conditioned medium to regenerate peripheral nerves in a novel animal model of dysphagia. <i>PLoS ONE</i> , 2018, 13, e0208938. | 1.1 | 26 |
| 83 | Villainous role of estrogen in macrophage-nerve interaction in endometriosis. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 122. | 1.4 | 50 |
| 84 | Vascularization via activation of VEGF-VEGFR signaling is essential for peripheral nerve r. <i>Biomedical Research</i> , 2018, 39, 287-294. | 0.3 | 24 |
| 85 | miR-1b overexpression suppressed proliferation and migration of RSC96 and increased cell apoptosis. <i>Neuroscience Letters</i> , 2018, 687, 137-145. | 1.0 | 17 |
| 86 | Introduction: Thematic Papers Issue on Peripheral Nerve Regeneration and Repair. <i>Anatomical Record</i> , 2018, 301, 1614-1617. | 0.8 | 13 |
| 87 | Polycomb repression regulates Schwann cell proliferation and axon regeneration after nerve injury. <i>Glia</i> , 2018, 66, 2487-2502. | 2.5 | 30 |
| 88 | The Macrophage in Cardiac Homeostasis and Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2213-2230. | 1.2 | 149 |
| 89 | A basic fibroblast growth factor slow-release system combined to a biodegradable nerve conduit improves endothelial cell and Schwann cell proliferation: A preliminary study in a rat model. <i>Microsurgery</i> , 2018, 38, 899-906. | 0.6 | 12 |
| 90 | Increase in Blood Levels of Growth Factors Involved in the Neuroplasticity Process by Using an Extremely Low Frequency Electromagnetic Field in Post-stroke Patients. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 294. | 1.7 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Mutations in dock1 disrupt early Schwann cell development. <i>Neural Development</i> , 2018, 13, 17. | 1.1 | 10 |
| 92 | Schwann Cell Transplantation Subdues the Pro-Inflammatory Innate Immune Cell Response after Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2550. | 1.8 | 32 |
| 93 | Macrophages Regulate Schwann Cell Maturation after Nerve Injury. <i>Cell Reports</i> , 2018, 24, 2561-2572.e6. | 2.9 | 142 |
| 94 | Inflammaging impairs peripheral nerve maintenance and regeneration. <i>Aging Cell</i> , 2018, 17, e12833. | 3.0 | 88 |
| 95 | Macrophages and Cardiovascular Health. <i>Physiological Reviews</i> , 2018, 98, 2523-2569. | 13.1 | 79 |
| 96 | Injury and stress responses of adult neural crest-derived cells. <i>Developmental Biology</i> , 2018, 444, S356-S365. | 0.9 | 23 |
| 97 | Hepatocyte Growth Factor (HGF) Promotes Peripheral Nerve Regeneration by Activating Repair Schwann Cells. <i>Scientific Reports</i> , 2018, 8, 8316. | 1.6 | 70 |
| 98 | Peripheral Nerve Injury-Induced Astrocyte Activation in Spinal Ventral Horn Contributes to Nerve Regeneration. <i>Neural Plasticity</i> , 2018, 2018, 1-8. | 1.0 | 21 |
| 99 | Low-intensity pulsed ultrasound promotes Schwann cell viability and proliferation via the GSK-3 β / β -catenin signaling pathway. <i>International Journal of Biological Sciences</i> , 2018, 14, 497-507. | 2.6 | 30 |
| 100 | Temporal changes in macrophage phenotype after peripheral nerve injury. <i>Journal of Neuroinflammation</i> , 2018, 15, 185. | 3.1 | 61 |
| 101 | Trauma-Induced Heterotopic Ossification Regulates the Blood-Nerve Barrier. <i>Frontiers in Neurology</i> , 2018, 9, 408. | 1.1 | 38 |
| 102 | Myelin. <i>Methods in Molecular Biology</i> , 2018, , . | 0.4 | 1 |
| 103 | Transection and Crush Models of Nerve Injury to Measure Repair and Remyelination in Peripheral Nerve. <i>Methods in Molecular Biology</i> , 2018, 1791, 251-262. | 0.4 | 17 |
| 104 | The metabolic axis of macrophage and immune cell polarization. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, . | 1.2 | 46 |
| 105 | Granulocyte-macrophage colony-stimulating factor improves mouse peripheral nerve regeneration following sciatic nerve crush. <i>European Journal of Neuroscience</i> , 2018, 48, 2152-2164. | 1.2 | 17 |
| 106 | Differentiation of adipose-derived stem cells into Schwann cell-like cells through intermittent induction: potential advantage of cellular transient memory function. <i>Stem Cell Research and Therapy</i> , 2018, 9, 133. | 2.4 | 47 |
| 107 | Live imaging of wound angiogenesis reveals macrophage orchestrated vessel sprouting and regression. <i>EMBO Journal</i> , 2018, 37, . | 3.5 | 183 |
| 108 | What is Normal? Neuromuscular junction reinnervation after nerve injury. <i>Muscle and Nerve</i> , 2019, 60, 604-612. | 1.0 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Multipotent vascular stem cells contribute to neurovascular regeneration of peripheral nerve. <i>Stem Cell Research and Therapy</i> , 2019, 10, 234. | 2.4 | 12 |
| 110 | Let-7d modulates the proliferation, migration, tubulogenesis of endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2019, 462, 75-83. | 1.4 | 11 |
| 111 | Surgical anatomy of the ovine sural nerve for facial nerve regeneration and reconstruction research. <i>Scientific Reports</i> , 2019, 9, 10564. | 1.6 | 6 |
| 112 | A biomaterials approach to Schwann cell development in neural tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2425-2446. | 2.1 | 27 |
| 113 | Critical Limb Ischemia Induces Remodeling of Skeletal Muscle Motor Unit, Myonuclear-, and Mitochondrial-Domains. <i>Scientific Reports</i> , 2019, 9, 9551. | 1.6 | 22 |
| 114 | Pathologic remodeling in human neuromas: insights from clinical specimens. <i>Acta Neurochirurgica</i> , 2019, 161, 2453-2466. | 0.9 | 5 |
| 115 | Ninjurin 1 mediates peripheral nerve regeneration through Schwann cell maturation of NG2-positive cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 462-468. | 1.0 | 17 |
| 116 | Emerging Evidence of Macrophage Contribution to Hyperinnervation and Nociceptor Sensitization in Vulvodynia. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 186. | 1.4 | 13 |
| 117 | Label-free Imaging of Tissue Architecture during Axolotl Peripheral Nerve Regeneration in Comparison to Functional Recovery. <i>Scientific Reports</i> , 2019, 9, 12641. | 1.6 | 3 |
| 118 | 3D-printed nerve conduit with vascular networks to promote peripheral nerve regeneration. <i>Medical Hypotheses</i> , 2019, 133, 109395. | 0.8 | 4 |
| 119 | Preconditioning of Rat Bone Marrow-Derived Mesenchymal Stromal Cells with Toll-Like Receptor Agonists. <i>Stem Cells International</i> , 2019, 2019, 1-18. | 1.2 | 7 |
| 120 | Neurovascular Interactions in the Nervous System. <i>Annual Review of Cell and Developmental Biology</i> , 2019, 35, 615-635. | 4.0 | 67 |
| 121 | Schwann cell plasticityâroles in tissue homeostasis, regeneration, and disease. <i>Glia</i> , 2019, 67, 2203-2215. | 2.5 | 75 |
| 122 | Zebrafish is a central model to dissect the peripheral neuropathy. <i>Genes and Genomics</i> , 2019, 41, 993-1000. | 0.5 | 9 |
| 123 | A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. <i>Immunity</i> , 2019, 50, 1482-1497.e7. | 6.6 | 141 |
| 124 | The accumulation of T cells within acellular nerve allografts is length-dependent and critical for nerve regeneration. <i>Experimental Neurology</i> , 2019, 318, 216-231. | 2.0 | 39 |
| 125 | Pericytes in Cutaneous Wound Healing. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1147, 1-63. | 0.8 | 11 |
| 126 | RGD-Modified Nanofibers Enhance Outcomes in Rats after Sciatic Nerve Injury. <i>Journal of Functional Biomaterials</i> , 2019, 10, 24. | 1.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Skin Acute Wound Healing: A Comprehensive Review. <i>International Journal of Inflammation</i> , 2019, 2019, 1-15. | 0.9 | 302 |
| 128 | The Cytoskeleton—A Complex Interacting Meshwork. <i>Cells</i> , 2019, 8, 362. | 1.8 | 209 |
| 129 | Blood vessels guide Schwann cell migration in the adult demyelinated CNS through Eph/ephrin signaling. <i>Acta Neuropathologica</i> , 2019, 138, 457-476. | 3.9 | 17 |
| 130 | Cerebrovascular Injuries Induce Lymphatic Invasion into Brain Parenchyma to Guide Vascular Regeneration in Zebrafish. <i>Developmental Cell</i> , 2019, 49, 697-710.e5. | 3.1 | 87 |
| 131 | Blood vessels as a scaffold for neuronal migration. <i>Neurochemistry International</i> , 2019, 126, 69-73. | 1.9 | 42 |
| 132 | Evaluation of epigallocatechin-3-gallate (EGCG)-modified scaffold determines macrophage recruitment. <i>Materials Science and Engineering C</i> , 2019, 100, 505-513. | 3.8 | 47 |
| 133 | Random-Reaction-Seed Method for Automated Identification of Neurite Elongation and Branching. <i>Scientific Reports</i> , 2019, 9, 2908. | 1.6 | 3 |
| 134 | Hypoxia and the regulation of myeloid cell metabolic imprinting: consequences for the inflammatory response. <i>EMBO Reports</i> , 2019, 20, . | 2.0 | 57 |
| 136 | Spinal cord tissue affects sprouting from aortic fragments in ex vivo co-culture. <i>Cell Biology International</i> , 2019, 43, 1193-1200. | 1.4 | 4 |
| 137 | Evaluation of the host immune response and functional recovery in peripheral nerve autografts and allografts. <i>Transplant Immunology</i> , 2019, 53, 61-71. | 0.6 | 26 |
| 138 | The Success and Failure of the Schwann Cell Response to Nerve Injury. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 33. | 1.8 | 302 |
| 139 | Paracrine Mechanisms of Redox Signalling for Postmitotic Cell and Tissue Regeneration. <i>Trends in Cell Biology</i> , 2019, 29, 514-530. | 3.6 | 13 |
| 140 | Macrophage metabolism: a wound-healing perspective. <i>Immunology and Cell Biology</i> , 2019, 97, 268-278. | 1.0 | 27 |
| 141 | Synergistic effects of dual-presenting VEGF- and BDNF-mimetic peptide epitopes from self-assembling peptide hydrogels on peripheral nerve regeneration. <i>Nanoscale</i> , 2019, 11, 19943-19958. | 2.8 | 62 |
| 142 | Bone marrow-derived neural crest precursors improve nerve defect repair partially through secreted trophic factors. <i>Stem Cell Research and Therapy</i> , 2019, 10, 397. | 2.4 | 23 |
| 143 | The Role of Maresins in Inflammatory Pain: Function of Macrophages in Wound Regeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5849. | 1.8 | 33 |
| 144 | Involvement of PDGF-BB and IGF-1 in Activation of Human Schwann Cells by Platelet-Rich Plasma. <i>Plastic and Reconstructive Surgery</i> , 2019, 144, 1025e-1036e. | 0.7 | 13 |
| 145 | Pericytes: Problems and Promises for CNS Repair. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 546. | 1.8 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 146 | Analysis of Schwann Cell Migration and Axon Regeneration Following Nerve Injury in the Sciatic Nerve Bridge. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 308. | 1.4 | 33 |
| 147 | A fungicide miconazole ameliorates tri-o-cresyl phosphate-induced demyelination through inhibition of ErbB/Akt pathway. <i>Neuropharmacology</i> , 2019, 148, 31-39. | 2.0 | 3 |
| 148 | Intramural schwannoma involving a vein. <i>Journal of Cutaneous Pathology</i> , 2019, 46, 211-215. | 0.7 | 0 |
| 149 | Secretome analysis of nerve repair mediating Schwann cells reveals Smad-dependent trophism. <i>FASEB Journal</i> , 2019, 33, 4703-4715. | 0.2 | 25 |
| 150 | Axonal regrowth is impaired during digit tip regeneration in mice. <i>Developmental Biology</i> , 2019, 445, 237-244. | 0.9 | 15 |
| 151 | Autologous fibrin scaffolds: When platelet- and plasma-derived biomolecules meet fibrin. <i>Biomaterials</i> , 2019, 192, 440-460. | 5.7 | 92 |
| 152 | Repair Schwann cell update: Adaptive reprogramming, EMT, and stemness in regenerating nerves. <i>Glia</i> , 2019, 67, 421-437. | 2.5 | 220 |
| 153 | Nanotechnology in peripheral nerve repair and reconstruction. <i>Advanced Drug Delivery Reviews</i> , 2019, 148, 308-343. | 6.6 | 66 |
| 154 | Direct conversion of adult human skin fibroblasts into functional Schwann cells that achieve robust recovery of the severed peripheral nerve in rats. <i>Glia</i> , 2019, 67, 950-966. | 2.5 | 18 |
| 155 | Nanofiber arrangement regulates peripheral nerve regeneration through differential modulation of macrophage phenotypes. <i>Acta Biomaterialia</i> , 2019, 83, 291-301. | 4.1 | 116 |
| 156 | Eutopic stromal cells of endometriosis promote neuroangiogenesis via exosome pathway. <i>Biology of Reproduction</i> , 2019, 100, 649-659. | 1.2 | 35 |
| 157 | Toxic Peripheral Neuropathies: Agents and Mechanisms. <i>Toxicologic Pathology</i> , 2020, 48, 152-173. | 0.9 | 29 |
| 158 | Prostaglandin D2 synthase modulates macrophage activity and accumulation in injured peripheral nerves. <i>Glia</i> , 2020, 68, 95-110. | 2.5 | 13 |
| 159 | Antibiotic-induced dysbiosis of gut microbiota impairs corneal development in postnatal mice by affecting CCR2 negative macrophage distribution. <i>Mucosal Immunology</i> , 2020, 13, 47-63. | 2.7 | 28 |
| 160 | Decellularization techniques and their applications for the repair and regeneration of the nervous system. <i>Methods</i> , 2020, 171, 41-61. | 1.9 | 37 |
| 161 | Doxorubicin-Immersed Skeletal Muscle Grafts Promote Peripheral Nerve Regeneration Across a 10-mm Defect in the Rat Sciatic Nerve. <i>Journal of Reconstructive Microsurgery</i> , 2020, 36, 041-052. | 1.0 | 2 |
| 162 | Immunomodulation by Schwann cells in disease. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 245-253. | 2.0 | 32 |
| 163 | Peripheral nerve injury and myelination: Potential therapeutic strategies. <i>Journal of Neuroscience Research</i> , 2020, 98, 780-795. | 1.3 | 108 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 164 | Advances in the repair of segmental nerve injuries and trends in reconstruction. <i>Muscle and Nerve</i> , 2020, 61, 726-739. | 1.0 | 73 |
| 165 | Polymeric nanofibrous nerve conduits coupled with laminin for peripheral nerve regeneration. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 035003. | 1.7 | 23 |
| 166 | Gpr126/Adgrg6 contributes to the terminal Schwann cell response at the neuromuscular junction following peripheral nerve injury. <i>Glia</i> , 2020, 68, 1182-1200. | 2.5 | 23 |
| 167 | A potential role of lymphangiogenesis for peripheral nerve injury and regeneration. <i>Medical Hypotheses</i> , 2020, 135, 109470. | 0.8 | 8 |
| 168 | Combination of Electrospun Nanofiber Sheet Incorporating Methylcobalamin and PGA-Collagen Tube for Treatment of a Sciatic Nerve Defect in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 245-253. | 1.4 | 15 |
| 169 | Grafted muscle-derived stem cells promote the therapeutic efficiency of epimysium conduits in mice with peripheral nerve gap injury. <i>Artificial Organs</i> , 2020, 44, E214-E225. | 1.0 | 6 |
| 170 | Evaluation of two methods to isolate Schwann cells from murine sciatic nerve. <i>Journal of Neuroscience Methods</i> , 2020, 331, 108483. | 1.3 | 6 |
| 171 | New methods for objective angiogenesis evaluation of rat nerves using microcomputed tomography scanning and conventional photography. <i>Microsurgery</i> , 2020, 40, 370-376. | 0.6 | 8 |
| 172 | After Nf1 loss in Schwann cells, inflammation drives neurofibroma formation. <i>Neuro-Oncology Advances</i> , 2020, 2, i23-i32. | 0.4 | 15 |
| 173 | Pericyte-Derived Extracellular Vesicle-Mimetic Nanovesicles Restore Erectile Function by Enhancing Neurovascular Regeneration in a Mouse Model of Cavernous Nerve Injury. <i>Journal of Sexual Medicine</i> , 2020, 17, 2118-2128. | 0.3 | 11 |
| 174 | Mesenchymal stem cells from a hypoxic culture improve nerve regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1804-1814. | 1.3 | 8 |
| 175 | The role of macrophages in pulmonary hypertension: Pathogenesis and targeting. <i>International Immunopharmacology</i> , 2020, 88, 106934. | 1.7 | 16 |
| 176 | Nanochannel-Based Poration Drives Benign and Effective Nonviral Gene Delivery to Peripheral Nerve Tissue. <i>Advanced Biology</i> , 2020, 4, e2000157. | 3.0 | 12 |
| 177 | Use of sliced or minced peripheral nerve segments for nerve regeneration through a biodegradable nerve conduit: A preliminary study in the rat. <i>Microsurgery</i> , 2020, 40, 886-895. | 0.6 | 3 |
| 178 | Biomimetic and hierarchical nerve conduits from multifunctional nanofibers for guided peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2020, 117, 180-191. | 4.1 | 50 |
| 179 | Pro-angiogenic scaffold-free Bio three-dimensional conduit developed from human induced pluripotent stem cell-derived mesenchymal stem cells promotes peripheral nerve regeneration. <i>Scientific Reports</i> , 2020, 10, 12034. | 1.6 | 17 |
| 180 | Discussion: Functional Outcome after Reconstruction of a Long Nerve Gap in Rabbits Using Optimized Decellularized Nerve Allografts. <i>Plastic and Reconstructive Surgery</i> , 2020, 145, 1451-1453. | 0.7 | 1 |
| 181 | The Effects of Intraoperative Electrical Stimulation on Regeneration and Recovery After Nerve Isograft Repair in a Rat Model. <i>Hand</i> , 2022, 17, 540-548. | 0.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 182 | Neuroprotective effect of Hongjing I granules on erectile dysfunction in a rat model of bilateral cavernous nerve injury. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110405. | 2.5 | 9 |
| 183 | Perspective on Schwann Cells Derived from Induced Pluripotent Stem Cells in Peripheral Nerve Tissue Engineering. <i>Cells</i> , 2020, 9, 2497. | 1.8 | 39 |
| 184 | Macrophage-specific deletion of BACE1 does not enhance macrophage recruitment to the injured peripheral nerve. <i>Journal of Neuroimmunology</i> , 2020, 349, 577423. | 1.1 | 3 |
| 185 | Hedging against Neuropathic Pain: Role of Hedgehog Signaling in Pathological Nerve Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9115. | 1.8 | 18 |
| 186 | Promoting Cell Migration and Neurite Extension along Uniaxially Aligned Nanofibers with Biomacromolecular Particles in a Density Gradient. <i>Advanced Functional Materials</i> , 2020, 30, 2002031. | 7.8 | 43 |
| 187 | Signals Orchestrating Peripheral Nerve Repair. <i>Cells</i> , 2020, 9, 1768. | 1.8 | 31 |
| 188 | Bioinspired Multichannel Nerve Guidance Conduit Based on Shape Memory Nanofibers for Potential Application in Peripheral Nerve Repair. <i>ACS Nano</i> , 2020, 14, 12579-12595. | 7.3 | 96 |
| 189 | Systemic hypoxia mimicry enhances axonal regeneration and functional recovery following peripheral nerve injury. <i>Experimental Neurology</i> , 2020, 334, 113436. | 2.0 | 7 |
| 190 | Schwann Cell-Like Cells: Origin and Usability for Repair and Regeneration of the Peripheral and Central Nervous System. <i>Cells</i> , 2020, 9, 1990. | 1.8 | 37 |
| 191 | The Role of Macrophages in Vascular Repair and Regeneration after Ischemic Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6328. | 1.8 | 51 |
| 192 | Schwann Cell Role in Selectivity of Nerve Regeneration. <i>Cells</i> , 2020, 9, 2131. | 1.8 | 61 |
| 193 | FGF5 Regulates Schwann Cell Migration and Adhesion. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 237. | 1.8 | 13 |
| 194 | Thrombomodulin facilitates peripheral nerve regeneration through regulating M1/M2 switching. <i>Journal of Neuroinflammation</i> , 2020, 17, 240. | 3.1 | 32 |
| 195 | A novel nerve transection and repair method in mice: histomorphometric analysis of nerves, blood vessels, and muscles with functional recovery. <i>Scientific Reports</i> , 2020, 10, 21637. | 1.6 | 13 |
| 196 | Elastin-like Proteins to Support Peripheral Nerve Regeneration in Guidance Conduits. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4209-4220. | 2.6 | 16 |
| 197 | Macrophage-Derived Vascular Endothelial Growth Factor-A Is Integral to Neuromuscular Junction Reinnervation after Nerve Injury. <i>Journal of Neuroscience</i> , 2020, 40, 9602-9616. | 1.7 | 28 |
| 198 | T cells modulate IL-4 expression by eosinophil recruitment within decellularized scaffolds to repair nerve defects. <i>Acta Biomaterialia</i> , 2020, 112, 149-163. | 4.1 | 16 |
| 199 | Functional Outcome after Reconstruction of a Long Nerve Gap in Rabbits Using Optimized Decellularized Nerve Allografts. <i>Plastic and Reconstructive Surgery</i> , 2020, 145, 1442-1450. | 0.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 200 | Conductive conduit small gap tubulization for peripheral nerve repair. RSC Advances, 2020, 10, 16769-16775. | 1.7 | 16 |
| 201 | The CCL2/CCR2 axis is critical to recruiting macrophages into acellular nerve allograft bridging a nerve gap to promote angiogenesis and regeneration. Experimental Neurology, 2020, 331, 113363. | 2.0 | 28 |
| 202 | Reduced inflammatory response and accelerated functional recovery following sciatic nerve crush lesion in CXCR3-deficient mice. NeuroReport, 2020, 31, 672-677. | 0.6 | 3 |
| 203 | Fibroblasts Colonizing Nerve Conduits Express High Levels of Soluble Neuregulin1, a Factor Promoting Schwann Cell Dedifferentiation. Cells, 2020, 9, 1366. | 1.8 | 13 |
| 204 | Tumor-induced neurogenesis and immune evasion as targets of innovative anti-cancer therapies. Signal Transduction and Targeted Therapy, 2020, 5, 99. | 7.1 | 126 |
| 205 | The Role of Polycomb Repressive Complex in Malignant Peripheral Nerve Sheath Tumor. Genes, 2020, 11, 287. | 1.0 | 17 |
| 206 | Elastomeric polyurethane porous film functionalized with gastrodin for peripheral nerve regeneration. Journal of Biomedical Materials Research - Part A, 2020, 108, 1713-1725. | 2.1 | 17 |
| 207 | Sensory neurons directly promote angiogenesis in response to inflammation via substance P signaling. FASEB Journal, 2020, 34, 6229-6243. | 0.2 | 36 |
| 208 | Current Understanding of Vascular Wall Pathophysiology in Erectile Dysfunction and Priapism. SN Comprehensive Clinical Medicine, 2020, 2, 734-745. | 0.3 | 0 |
| 209 | Strategies for Peripheral Nerve Repair. Current Tissue Microenvironment Reports, 2020, 1, 49-59. | 1.3 | 18 |
| 210 | Bioinspired Biomaterials. Advances in Experimental Medicine and Biology, 2020, , . | 0.8 | 5 |
| 211 | Fundamentals and Current Strategies for Peripheral Nerve Repair and Regeneration. Advances in Experimental Medicine and Biology, 2020, 1249, 173-201. | 0.8 | 25 |
| 212 | Pathomechanisms in schwannoma development and progression. Oncogene, 2020, 39, 5421-5429. | 2.6 | 53 |
| 213 | Axo-glial interaction in the injured PNS. Developmental Neurobiology, 2021, 81, 490-506. | 1.5 | 19 |
| 214 | Schwann cells: Rescuers of central demyelination. Glia, 2020, 68, 1945-1956. | 2.5 | 11 |
| 215 | Repair of facial nerve crush injury in rabbits using collagen plus basic fibroblast growth factor. Journal of Biomedical Materials Research - Part A, 2020, 108, 1329-1337. | 2.1 | 16 |
| 216 | Recovery of sensory function after the implantation of oriented-collagen tube into the resected rat sciatic nerve. Regenerative Therapy, 2020, 14, 48-58. | 1.4 | 11 |
| 217 | Macrophage-derived netrin-1 is critical for neuroangiogenesis in endometriosis. International Journal of Biological Macromolecules, 2020, 148, 226-237. | 3.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 218 | Co-overexpression of VEGF and GDNF in adipose-derived stem cells optimizes therapeutic effect in neurogenic erectile dysfunction model. <i>Cell Proliferation</i> , 2020, 53, e12756. | 2.4 | 18 |
| 219 | Repair strategies for injured peripheral nerve: Review. <i>Life Sciences</i> , 2020, 243, 117308. | 2.0 | 60 |
| 220 | Cell-Cell Communication Breakdown and Endothelial Dysfunction. <i>Critical Care Clinics</i> , 2020, 36, 189-200. | 1.0 | 9 |
| 221 | Schwann cell interactions during the development of the peripheral nervous system. <i>Developmental Neurobiology</i> , 2021, 81, 464-489. | 1.5 | 43 |
| 222 | Mechanisms of Schwann cell plasticity involved in peripheral nerve repair after injury. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3977-3989. | 2.4 | 212 |
| 223 | Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. <i>Nature Neuroscience</i> , 2020, 23, 676-689. | 7.1 | 148 |
| 224 | Engineering Immunomodulatory Biomaterials for Regenerating the Infarcted Myocardium. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 292. | 2.0 | 34 |
| 225 | The origin, fate and function of macrophages in the peripheral nervous system—an update. <i>International Immunology</i> , 2020, 32, 709-717. | 1.8 | 13 |
| 226 | Platelet-rich fibrin membrane nerve guidance conduit: a potentially promising method for peripheral nerve injuries. <i>Chinese Medical Journal</i> , 2020, 133, 999-1001. | 0.9 | 6 |
| 227 | Immunomodulation by dimethyl fumarate treatment improves mouse sciatic nerve regeneration. <i>Brain Research Bulletin</i> , 2020, 160, 24-32. | 1.4 | 12 |
| 228 | Improved mouse sciatic nerve regeneration following lymphocyte cell therapy. <i>Molecular Immunology</i> , 2020, 121, 81-91. | 1.0 | 14 |
| 229 | Perisynaptic Schwann cells phagocytose nerve terminal debris in a mouse model of Guillain-Barré syndrome. <i>Journal of the Peripheral Nervous System</i> , 2020, 25, 143-151. | 1.4 | 21 |
| 230 | Promotion of tendon growth into implant through pore-size design of a Ti-6Al-4V porous scaffold prepared by 3D printing. <i>Materials and Design</i> , 2021, 197, 109219. | 3.3 | 26 |
| 231 | Migrating Schwann cells direct axon regeneration within the peripheral nerve bridge. <i>Glia</i> , 2021, 69, 235-254. | 2.5 | 124 |
| 232 | Efficacy of Large Groove Texture on Rat Sciatic Nerve Regeneration In Vivo Using Polyacrylonitrile Nerve Conduits. <i>Annals of Biomedical Engineering</i> , 2021, 49, 394-406. | 1.3 | 16 |
| 233 | Tyrosine-derived polycarbonate nerve guidance tubes elicit proregenerative extracellular matrix deposition when used to bridge segmental nerve defects in swine. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1183-1195. | 2.1 | 9 |
| 234 | The role of structure and function changes of sensory nervous system in intervertebral disc-related low back pain. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 17-27. | 0.6 | 52 |
| 235 | Hedgehog signaling promotes endoneurial fibroblast migration and Vegf-A expression following facial nerve injury. <i>Brain Research</i> , 2021, 1751, 147204. | 1.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 236 | Macrophagic and microglial complexity after neuronal injury. <i>Progress in Neurobiology</i> , 2021, 200, 101970. | 2.8 | 52 |
| 237 | Comparative Proteomic Analysis of Differentially Expressed Proteins between Injured Sensory and Motor Nerves after Peripheral Nerve Transection. <i>Journal of Proteome Research</i> , 2021, 20, 1488-1508. | 1.8 | 3 |
| 238 | Liposomes embedded within fibrin gels facilitate localized macrophage manipulations within nerve. <i>Journal of Neuroscience Methods</i> , 2021, 348, 108981. | 1.3 | 4 |
| 239 | Functionalization strategies of electrospun nanofibrous scaffolds for nerve tissue engineering. <i>Smart Materials in Medicine</i> , 2021, 2, 260-279. | 3.7 | 21 |
| 240 | Macrophage-derived netrin-1 contributes to endometriosis- associated pain. <i>Annals of Translational Medicine</i> , 2021, 9, 29-29. | 0.7 | 10 |
| 241 | Insights Into the Role and Potential of Schwann Cells for Peripheral Nerve Repair From Studies of Development and Injury. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 608442. | 1.4 | 54 |
| 242 | Angiogenesis and nerve regeneration induced by local administration of plasmid pBud-coVEGF165-coFGF2 into the intact rat sciatic nerve. <i>Neural Regeneration Research</i> , 2021, 16, 1882. | 1.6 | 16 |
| 243 | The Mechanisms of Peripheral Nerve Preconditioning Injury on Promoting Axonal Regeneration. <i>Neural Plasticity</i> , 2021, 2021, 1-9. | 1.0 | 12 |
| 244 | Purposeful Misalignment of Severed Nerve Stumps in a Standardized Transection Model Reveals Persistent Functional Deficit With Aberrant Neurofilament Distribution. <i>Military Medicine</i> , 2021, 186, 696-703. | 0.4 | 0 |
| 245 | The Neuroimmunology of Guillain-Barré Syndrome and the Potential Role of an Aging Immune System. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 613628. | 1.7 | 16 |
| 246 | EphA7+ Multipotent and Their Roles in Multicellular Organisms. <i>Pancreatic Islet Biology</i> , 2021, , 189-201. | 0.1 | 0 |
| 247 | Blood Supply and Microcirculation of the Peripheral Nerve. <i>Reference Series in Biomedical Engineering</i> , 2021, , 1-46. | 0.1 | 0 |
| 249 | Dynamic Environmental Physical Cues Activate Mechanosensitive Responses in the Repair Schwann Cell Phenotype. <i>Cells</i> , 2021, 10, 425. | 1.8 | 5 |
| 250 | Exosomes as a Promising Therapeutic Strategy for Peripheral Nerve Injury. <i>Current Neuropharmacology</i> , 2021, 19, 2141-2151. | 1.4 | 32 |
| 251 | Single Cell Transcriptome Data Analysis Defines the Heterogeneity of Peripheral Nerve Cells in Homeostasis and Regeneration. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 624826. | 1.8 | 34 |
| 252 | The influence of BACE1 on macrophage recruitment and activity in the injured peripheral nerve. <i>Journal of Neuroinflammation</i> , 2021, 18, 71. | 3.1 | 8 |
| 253 | SDF-1 β gene-activated collagen scaffold enhances provasculogenic response in a coculture of human endothelial cells with human adipose-derived stromal cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 26. | 1.7 | 5 |
| 254 | Protective effects and molecular mechanisms of <i>Achyranthes bidentata</i> polypeptide k on Schwann cells. <i>Annals of Translational Medicine</i> , 2021, 9, 381-381. | 0.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 255 | Macrophage roles in peripheral nervous system injury and pathology: Allies in neuromuscular junction recovery. <i>Molecular and Cellular Neurosciences</i> , 2021, 111, 103590. | 1.0 | 24 |
| 256 | The Role of the IL-4 Signaling Pathway in Traumatic Nerve Injuries. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 431-443. | 1.4 | 15 |
| 257 | Current Advances in Comprehending Dynamics of Regenerating Axons and Axon-Glia Interactions after Peripheral Nerve Injury in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2484. | 1.8 | 9 |
| 258 | Secondary denervation is a chronic pathophysiologic sequela of volumetric muscle loss. <i>Journal of Applied Physiology</i> , 2021, 130, 1614-1625. | 1.2 | 15 |
| 259 | Biomaterials for Repairing Gaps After Peripheral Nerve Injury. <i>Science of Advanced Materials</i> , 2021, 13, 530-536. | 0.1 | 1 |
| 260 | The white matter is a pro-differentiative niche for glioblastoma. <i>Nature Communications</i> , 2021, 12, 2184. | 5.8 | 37 |
| 261 | Schwann-like cell conditioned medium promotes angiogenesis and nerve regeneration. <i>Cell and Tissue Banking</i> , 2022, 23, 101-118. | 0.5 | 7 |
| 262 | Acellular Nerve Allografts in Major Peripheral Nerve Repairs: An Analysis of Cases Presenting With Limited Recovery. <i>Hand</i> , 2023, 18, 236-243. | 0.7 | 14 |
| 263 | Adipose-Derived Mesenchymal Stem Cells From a Hypoxic Culture Improve Neuronal Differentiation and Nerve Repair. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658099. | 1.8 | 8 |
| 264 | Three-Dimensional Engineered Peripheral Nerve: Toward a New Era of Patient-Specific Nerve Repair Solutions. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 295-335. | 2.5 | 16 |
| 265 | Transcriptional profiling of mouse peripheral nerves to the single-cell level to build a sciatic nerve ATlas (SNAT). <i>ELife</i> , 2021, 10, . | 2.8 | 84 |
| 266 | T-box transcription factor 21 is expressed in terminal Schwann cells at the neuromuscular junction. <i>Muscle and Nerve</i> , 2021, 64, 109-115. | 1.0 | 6 |
| 267 | Aligned microfiber-induced macrophage polarization to guide schwann-cell-enabled peripheral nerve regeneration. <i>Biomaterials</i> , 2021, 272, 120767. | 5.7 | 86 |
| 268 | Efficacy of sliced nerves of different thickness in a biodegradable nerve conduit to promote Schwann cell migration and axonal growth: An experimental study in the rat model. <i>Microsurgery</i> , 2021, 41, 448-456. | 0.6 | 0 |
| 269 | Engineered aligned endothelial cell structures in tethered collagen hydrogels promote peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2021, 126, 224-237. | 4.1 | 34 |
| 270 | The effects of recombinant human basic fibroblast growth factor on nerve regeneration in a partial defect inferior alveolar nerve model in rabbits. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2021, 33, 348-353. | 0.2 | 1 |
| 271 | Selective blood-nerve barrier leakiness with claudin-1 and vessel-associated macrophage loss in diabetic polyneuropathy. <i>Journal of Molecular Medicine</i> , 2021, 99, 1237-1250. | 1.7 | 14 |
| 272 | Natural Biomaterials as Instructive Engineered Microenvironments That Direct Cellular Function in Peripheral Nerve Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 674473. | 2.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 273 | Preclinical study of peripheral nerve regeneration using nerve guidance conduits based on polyhydroxyalkanoates. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10223. | 3.9 | 16 |
| 274 | Functionalizing biomaterials to promote neurovascular regeneration following skeletal muscle injury. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C1099-C1111. | 2.1 | 6 |
| 275 | Perivascular Hedgehog responsive cells play a critical role in peripheral nerve regeneration via controlling angiogenesis. <i>Neuroscience Research</i> , 2021, 173, 62-70. | 1.0 | 7 |
| 276 | Schwann cell precursors: Where they come from and where they go. <i>Cells and Development</i> , 2021, 166, 203686. | 0.7 | 9 |
| 277 | Quantitative assessment of intraneural vascular alterations in peripheral nerve trauma using high-resolution neurosonography: technical note. <i>Scientific Reports</i> , 2021, 11, 13320. | 1.6 | 1 |
| 278 | Central versus peripheral nervous system regeneration: is there an exception for cranial nerves?. <i>Regenerative Medicine</i> , 2021, 16, 567-579. | 0.8 | 6 |
| 279 | Effects of Macro-/Micro-Channels on Vascularization and Immune Response of Tissue Engineering Scaffolds. <i>Cells</i> , 2021, 10, 1514. | 1.8 | 11 |
| 280 | Gasdermin D in peripheral nerves: the pyroptotic microenvironment inhibits nerve regeneration. <i>Cell Death Discovery</i> , 2021, 7, 144. | 2.0 | 6 |
| 281 | Distribution of Corneal TRPV1 and Its Association With Immune Cells During Homeostasis and Injury. , 2021, 62, 6. | | 13 |
| 282 | Biomimicry in 3D printing design: implications for peripheral nerve regeneration. <i>Regenerative Medicine</i> , 2021, 16, 683-701. | 0.8 | 16 |
| 283 | “EngNT”™ “ Engineering live neural tissue for nerve replacement. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 699-703. | 1.1 | 2 |
| 284 | Role of adipose mesenchymal stem cells and secretome in peripheral nerve regeneration. <i>Annals of Medicine and Surgery</i> , 2021, 67, 102482. | 0.5 | 18 |
| 285 | Reprint of: Schwann cell precursors: Where they come from and where they go. <i>Cells and Development</i> , 2021, 168, 203729. | 0.7 | 3 |
| 286 | Peripheral Nerve Healing: So Near and Yet So Far. <i>Seminars in Plastic Surgery</i> , 2021, 35, 204-210. | 0.8 | 8 |
| 287 | Optimized design of a hyperflexible sieve electrode to enhance neurovascular regeneration for a peripheral neural interface. <i>Biomaterials</i> , 2021, 275, 120924. | 5.7 | 1 |
| 288 | miR-328a stimulates endothelial cell migration and tubulogenesis. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1104. | 0.8 | 2 |
| 289 | Microcomputed analysis of nerve angioarchitecture after combined stem cell delivery and surgical angiogenesis to nerve allograft. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 1919-1930. | 0.5 | 7 |
| 290 | Crosstalk between PC12 cells and endothelial cells in an artificial neurovascular niche constructed by a dual-functionalized self-assembling peptide nanofiber hydrogel. <i>Nano Research</i> , 2022, 15, 1433-1445. | 5.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 291 | Peripheral neurovascular link: an overview of interactions and in vitro models. Trends in Endocrinology and Metabolism, 2021, 32, 623-638. | 3.1 | 6 |
| 292 | TNF-mimetic peptide mixed with fibrin glue improves peripheral nerve regeneration. Brain Research Bulletin, 2021, 174, 53-62. | 1.4 | 4 |
| 294 | Bone Marrow Mesenchymal Stem Cell-Derived Exosome-Educated Macrophages Promote Functional Healing After Spinal Cord Injury. Frontiers in Cellular Neuroscience, 2021, 15, 725573. | 1.8 | 15 |
| 295 | The Importance of Cutaneous Innervation in Wound Healing: From Animal Studies to Clinical Applications. International Journal of Lower Extremity Wounds, 2023, 22, 444-453. | 0.6 | 1 |
| 296 | Neuroinflammation Mediates Faster Brachial Plexus Regeneration in Subjects with Cerebral Injury. Neuroscience Bulletin, 2021, 37, 1542-1554. | 1.5 | 0 |
| 297 | Plant Exosomes As Novel Nanoplatfoms for MicroRNA Transfer Stimulate Neural Differentiation of Stem Cells In Vitro and In Vivo. Nano Letters, 2021, 21, 8151-8159. | 4.5 | 69 |
| 298 | Basic science approaches to common hand surgery problems. Journal of Hand Surgery: European Volume, 2021, , 175319342110426. | 0.5 | 0 |
| 299 | Exosomes Secreted by Adipose-Derived Stem Cells Following FK506 Stimulation Reduce Autophagy of Macrophages in Spine after Nerve Crush Injury. International Journal of Molecular Sciences, 2021, 22, 9628. | 1.8 | 3 |
| 300 | Rapid-stretch injury to peripheral nerves: comparison of injury models. Journal of Neurosurgery, 2021, 135, 893-903. | 0.9 | 9 |
| 301 | An engineered CD81-based combinatorial library for selecting recombinant binders to cell surface proteins: Laminin binding CD81 enhances cellular uptake of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12139. | 5.5 | 9 |
| 302 | Neuroimmune interactions and immunoengineering strategies in peripheral nerve repair. Progress in Neurobiology, 2022, 208, 102172. | 2.8 | 19 |
| 303 | Carbon-nanotube yarns induce axonal regeneration in peripheral nerve defect. Scientific Reports, 2021, 11, 19562. | 1.6 | 18 |
| 304 | Comprehensive strategy of conduit guidance combined with VEGF producing Schwann cells accelerates peripheral nerve repair. Bioactive Materials, 2021, 6, 3515-3527. | 8.6 | 44 |
| 305 | Hybrid material mimics a hypoxic environment to promote regeneration of peripheral nerves. Biomaterials, 2021, 277, 121068. | 5.7 | 14 |
| 306 | Functional and immunological peculiarities of peripheral nerve allografts. Neural Regeneration Research, 2022, 17, 721. | 1.6 | 10 |
| 307 | Stressed axons craving for glial sugar: links to regeneration?. Neural Regeneration Research, 2022, 17, 304. | 1.6 | 2 |
| 308 | Intraneural fibrosis and loss of microvascular architecture – Key findings investigating failed human nerve allografts. Annals of Anatomy, 2022, 239, 151810. | 1.0 | 7 |
| 309 | EFFICACY OF ACELLULAR-LYOPHILIZED HUMAN UMBILICAL CORD ECM-POWDER GUIDED BY BOVINE URINARY BLADDER MATRIX CONDUIT FOR PERIPHERAL NERVE REPAIR IN DOGS MODEL. Plant Archives, 2021, 21, 456-463. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 310 | Rapid and efficient immunomagnetic isolation of endothelial cells from human peripheral nerves. <i>Scientific Reports</i> , 2021, 11, 1951. | 1.6 | 4 |
| 311 | Tetrahedral framework nucleic acids facilitate neurorestoration of facial nerves by activating the NGF/PI3K/AKT pathway. <i>Nanoscale</i> , 2021, 13, 15598-15610. | 2.8 | 13 |
| 312 | Vascular endothelial growth factor: a neurovascular target in neurological diseases. <i>Nature Reviews Neurology</i> , 2016, 12, 439-454. | 4.9 | 252 |
| 313 | Peripheral nerve resident macrophages share tissue-specific programming and features of activated microglia. <i>Nature Communications</i> , 2020, 11, 2552. | 5.8 | 84 |
| 314 | Sox2 controls Schwann cell self-organization through fibronectin fibrillogenesis. <i>Scientific Reports</i> , 2020, 10, 1984. | 1.6 | 18 |
| 315 | Controlled local release of PPAR α agonists from biomaterials to treat peripheral nerve injury. <i>Journal of Neural Engineering</i> , 2020, 17, 046030. | 1.8 | 11 |
| 317 | Peripheral Nerve Single-Cell Analysis Identifies Mesenchymal Ligands that Promote Axonal Growth. <i>ENeuro</i> , 2020, 7, ENEURO.0066-20.2020. | 0.9 | 40 |
| 318 | Aberrant invasion of nervous fibers in endometriosis: the role of estrogens. <i>Russian Journal of Human Reproduction</i> , 2020, 26, 104. | 0.1 | 2 |
| 319 | The progress of biomaterials in peripheral nerve repair and regeneration. <i>Journal of Neurorestoratology</i> , 2020, 8, 252-269. | 1.1 | 22 |
| 320 | Rapid-stretch injury to peripheral nerves: implications from an animal model. <i>Journal of Neurosurgery</i> , 2020, 133, 1537-1547. | 0.9 | 11 |
| 321 | Macrophage polarization in nerve injury: do Schwann cells play a role?. <i>Neural Regeneration Research</i> , 2016, 11, 53. | 1.6 | 64 |
| 322 | Platelet-rich plasma, an adjuvant biological therapy to assist peripheral nerve repair. <i>Neural Regeneration Research</i> , 2017, 12, 47. | 1.6 | 52 |
| 323 | Axon degeneration: make the Schwann cell great again. <i>Neural Regeneration Research</i> , 2017, 12, 518. | 1.6 | 62 |
| 324 | Comparison of morphological and functional outcomes of mouse sciatic nerve repair with three biodegradable polymer conduits containing poly(lactic acid). <i>Neural Regeneration Research</i> , 2018, 13, 1811. | 1.6 | 7 |
| 325 | Peripheral nerve regeneration and intraneural revascularization. <i>Neural Regeneration Research</i> , 2019, 14, 24. | 1.6 | 129 |
| 326 | Effect of exogenous spastin combined with polyethylene glycol on sciatic nerve injury. <i>Neural Regeneration Research</i> , 2019, 14, 1271. | 1.6 | 15 |
| 327 | Role of macrophages in peripheral nerve injury and repair. <i>Neural Regeneration Research</i> , 2019, 14, 1335. | 1.6 | 148 |
| 328 | Differential gene and protein expression between rat tibial nerve and common peroneal nerve during Wallerian degeneration. <i>Neural Regeneration Research</i> , 2019, 14, 2183. | 1.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 329 | Classic axon guidance molecules control correct nerve bridge tissue formation and precise axon regeneration. <i>Neural Regeneration Research</i> , 2020, 15, 6. | 1.6 | 34 |
| 330 | Dynamic expression of Slit1 and Robo1 in the mouse peripheral nervous system after injury. <i>Neural Regeneration Research</i> , 2020, 15, 948. | 1.6 | 20 |
| 331 | Current landscape in motoneuron regeneration and reconstruction for motor cranial nerve injuries. <i>Neural Regeneration Research</i> , 2020, 15, 1639. | 1.6 | 10 |
| 332 | The role of vascularization in nerve regeneration of nerve graft. <i>Neural Regeneration Research</i> , 2020, 15, 1573. | 1.6 | 61 |
| 333 | Dental pulp stem cells: Novel cell-based and cell-free therapy for peripheral nerve repair. <i>World Journal of Stomatology</i> , 2019, 7, 1-19. | 0.5 | 15 |
| 334 | XT-type DNA hydrogels loaded with VEGF and NGF promote peripheral nerve regeneration via a biphasic release profile. <i>Biomaterials Science</i> , 2021, 9, 8221-8234. | 2.6 | 10 |
| 335 | Interactions Among Nerve Regeneration, Angiogenesis, and the Immune Response Immediately After Sciatic Nerve Crush Injury in Sprague-Dawley Rats. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 717209. | 1.8 | 9 |
| 336 | Nerve-specific extracellular matrix hydrogel promotes functional regeneration following nerve gap injury. <i>Npj Regenerative Medicine</i> , 2021, 6, 69. | 2.5 | 25 |
| 337 | Parallels between the Developing Vascular and Neural Systems: Signaling Pathways and Future Perspectives for Regenerative Medicine. <i>Advanced Science</i> , 2021, 8, e2101837. | 5.6 | 13 |
| 338 | Healing through the lens of immunothrombosis: Biology-inspired, evolution-tailored, and human-engineered biomimetic therapies. <i>Biomaterials</i> , 2021, 279, 121205. | 5.7 | 5 |
| 339 | Comments on "Use of sliced or minced peripheral nerve segments for nerve regeneration through a biodegradable nerve conduit: A preliminary study in the rat". <i>Microsurgery</i> , 2022, 42, 102-103. | 0.6 | 0 |
| 340 | Non-immune Cell Components in the Gastrointestinal Tumor Microenvironment Influencing Tumor Immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729941. | 1.8 | 4 |
| 341 | Extracellular Environment-Controlled Angiogenesis, and Potential Application for Peripheral Nerve Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11169. | 1.8 | 15 |
| 342 | Functional nanomaterials in peripheral nerve regeneration: Scaffold design, chemical principles and microenvironmental remodeling. <i>Materials Today</i> , 2021, 51, 165-187. | 8.3 | 87 |
| 347 | The Regeneration of Peripheral Nerves Depends on Repair Schwann Cells. , 2019, , 425-435. | | 0 |
| 353 | Melatonin promotes Schwann cell dedifferentiation and proliferation through the Ras/Raf/ERK and MAPK pathways, and glial cell-derived neurotrophic factor expression. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1. | 0.8 | 8 |
| 354 | Invasion and nerve fibers damage in endometriosis. <i>Russian Journal of Human Reproduction</i> , 2020, 26, 53. | 0.1 | 3 |
| 355 | Extracellular Vesicles for Nerve Regeneration. , 2021, , 1-22. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 356 | Influence of aging on the peripheral nerve repair process using an artificial nerve conduit. <i>Experimental and Therapeutic Medicine</i> , 2020, 21, 168. | 0.8 | 7 |
| 357 | IL-4 expressing cells are recruited to nerve after injury and promote regeneration. <i>Experimental Neurology</i> , 2022, 347, 113909. | 2.0 | 20 |
| 358 | Engineered Aligned Endothelial Cell Structures in Tethered Collagen Hydrogels Promote Peripheral Nerve Regeneration. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 359 | Different protein expression patterns in rat spinal nerves during Wallerian degeneration assessed using isobaric tags for relative and absolute quantitation proteomics profiling. <i>Neural Regeneration Research</i> , 2020, 15, 315. | 1.6 | 3 |
| 360 | Schwann Cell Plasticity in Peripheral Nerve Regeneration after Injury. , 0, , . | | 1 |
| 361 | Safety and efficacy of an injectable nerve-specific hydrogel in a rodent crush injury model. <i>Muscle and Nerve</i> , 2022, 65, 247-255. | 1.0 | 1 |
| 362 | A nerve conduit filled with Wnt5a-loaded fibrin hydrogels promotes peripheral nerve regeneration. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 145-157. | 1.9 | 9 |
| 363 | Two-Dimensional Nanomaterials for Peripheral Nerve Engineering: Recent Advances and Potential Mechanisms. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 746074. | 2.0 | 11 |
| 369 | Application of neurotrophic and proangiogenic factors as therapy after peripheral nervous system injury. <i>Neural Regeneration Research</i> , 2022, 17, 1240. | 1.6 | 21 |
| 370 | Associations of osteoclastogenesis and nerve growth in subchondral bone marrow lesions with clinical symptoms in knee osteoarthritis. <i>Journal of Orthopaedic Translation</i> , 2022, 32, 69-76. | 1.9 | 14 |
| 371 | The balanced microenvironment regulated by the degradants of appropriate PLGA scaffolds and chitosan conduit promotes peripheral nerve regeneration. <i>Materials Today Bio</i> , 2021, 12, 100158. | 2.6 | 23 |
| 372 | A Review on the Role of Endogenous Neurotrophins and Schwann Cells in Axonal Regeneration. <i>Journal of NeuroImmune Pharmacology</i> , 2022, 17, 398-408. | 2.1 | 10 |
| 374 | Tissue Engineering Strategies for Peripheral Nerve Regeneration. <i>Frontiers in Neurology</i> , 2021, 12, 768267. | 1.1 | 30 |
| 375 | A Shock to the (Nervous) System: Bioelectricity Within Peripheral Nerve Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 1137-1150. | 2.5 | 6 |
| 376 | Chitin conduits modified with DNA-peptide coating promote the peripheral nerve regeneration. <i>Biofabrication</i> , 2021, 14, . | 3.7 | 1 |
| 377 | Improved functional recovery of rat transected spinal cord by peptide-grafted PNIPAM based hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112220. | 2.5 | 13 |
| 378 | Oriented nanofibrous P(MMD-co-LA)/Deferoxamine nerve scaffold facilitates peripheral nerve regeneration by regulating macrophage phenotype and revascularization. <i>Biomaterials</i> , 2022, 280, 121288. | 5.7 | 46 |
| 379 | Therapeutic Low-Intensity Ultrasound for Peripheral Nerve Regeneration – A Schwann Cell Perspective. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 812588. | 1.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 380 | Pericyte-derived extracellular vesicles-mimetic nanovesicles improves peripheral nerve regeneration in mouse models of sciatic nerve transection. <i>International Journal of Molecular Medicine</i> , 2021, 49, . | 1.8 | 3 |
| 381 | Piezo1-mediated mechanosensation in bone marrow macrophages promotes vascular niche regeneration after irradiation injury. <i>Theranostics</i> , 2022, 12, 1621-1638. | 4.6 | 11 |
| 382 | Peripheral nerve fibroblasts secrete neurotrophic factors to promote axon growth of motoneurons. <i>Neural Regeneration Research</i> , 2022, 17, 1833. | 1.6 | 10 |
| 383 | Macrophages facilitate peripheral nerve regeneration by organizing regeneration tracks through Plexin-B2. <i>Genes and Development</i> , 2022, 36, 133-148. | 2.7 | 9 |
| 384 | Models and methods to study Schwann cells. <i>Journal of Anatomy</i> , 2022, 241, 1235-1258. | 0.9 | 10 |
| 385 | Myelinating Schwann cells and Netrin-1 control intra-nervous vascularization of the developing mouse sciatic nerve. <i>ELife</i> , 2022, 11, . | 2.8 | 5 |
| 386 | What is Operative? Conceptualizing Neuralgia: Neuroma, Compression Neuropathy, Painful Hyperalgesia, and Phantom Nerve Pain. <i>Journal of Hand Surgery Global Online</i> , 2023, 5, 126-132. | 0.3 | 3 |
| 387 | DHI Increases the Proliferation and Migration of Schwann Cells Through the PI3K/AKT Pathway and the Expression of CXCL12 and GDNF to Promote Facial Nerve Function Repair. <i>Neurochemical Research</i> , 2022, 47, 1329-1340. | 1.6 | 4 |
| 388 | Sustained delivery of vascular endothelial growth factor mediated by bioactive methacrylic anhydride hydrogel accelerates peripheral nerve regeneration after crush injury. <i>Neural Regeneration Research</i> , 2022, 17, 2064. | 1.6 | 9 |
| 389 | Biocompatible Polyurethane Conduit Grafted with Vascular Endothelial Growth Factor-loaded Hydrogel Repairs the Peripheral Nerve Defect in Rats. <i>Macromolecular Bioscience</i> , 2022, 22, e2100397. | 2.1 | 7 |
| 390 | Biomaterial and Therapeutic Approaches for the Manipulation of Macrophage Phenotype in Peripheral and Central Nerve Repair. <i>Pharmaceutics</i> , 2021, 13, 2161. | 2.0 | 13 |
| 392 | The role of salivary gland macrophages in infection, disease and repair. <i>International Review of Cell and Molecular Biology</i> , 2022, , 1-34. | 1.6 | 4 |
| 393 | Immunity to the Microbiota Promotes Sensory Neuron Regeneration. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 394 | Blood Vessels: The Pathway Used by Schwann Cells to Colonize Nerve Conduits. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2254. | 1.8 | 11 |
| 395 | LXR agonist improves peripheral neuropathy and modifies PNS immune cells in aged mice. <i>Journal of Neuroinflammation</i> , 2022, 19, 57. | 3.1 | 6 |
| 396 | Early targeting of endoneurial macrophages alleviates the neuropathy and affects abnormal Schwann cell differentiation in a mouse model of Charcot-Marie-Tooth 1A. <i>Glia</i> , 2022, 70, 1100-1116. | 2.5 | 9 |
| 397 | The Biological Activity of 3-O-Acetyl-11-keto- β -Boswellic Acid in Nervous System Diseases. <i>NeuroMolecular Medicine</i> , 2022, 24, 374-384. | 1.8 | 16 |
| 398 | Macrophage-produced VEGFC is induced by efferocytosis to ameliorate cardiac injury and inflammation. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 3.9 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 400 | The effect of mesenchymal stem cells and surgical angiogenesis on immune response and revascularization of acellular nerve allografts in a rat sciatic defect model. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2022, , . | 0.5 | 4 |
| 401 | Evaluation of Platelet-Rich Plasma Therapy for Peripheral Nerve Regeneration: A Critical Review of Literature. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 808248. | 2.0 | 14 |
| 402 | Comparing the Efficacy and Safety of Cell Transplantation for Spinal Cord Injury: A Systematic Review and Bayesian Network Meta-Analysis. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 860131. | 1.8 | 6 |
| 404 | New insights into peripheral nerve regeneration: The role of secretomes. <i>Experimental Neurology</i> , 2022, 354, 114069. | 2.0 | 21 |
| 405 | Radix Astragalus Polysaccharide Accelerates Angiogenesis by Activating AKT/eNOS to Promote Nerve Regeneration and Functional Recovery. <i>Frontiers in Pharmacology</i> , 2022, 13, 838647. | 1.6 | 7 |
| 406 | Evidence for a phenotypic switch in corneal afferents after lacrimal gland excision. <i>Experimental Eye Research</i> , 2022, 218, 109005. | 1.2 | 4 |
| 407 | Elevated matrix metalloproteinase 9 supports peripheral nerve regeneration via promoting Schwann cell migration. <i>Experimental Neurology</i> , 2022, 352, 114020. | 2.0 | 3 |
| 408 | Angiogenesis is critical for the exercise-mediated enhancement of axon regeneration following peripheral nerve injury. <i>Experimental Neurology</i> , 2022, 353, 114029. | 2.0 | 9 |
| 409 | New Frontiers in Peripheral Nerve Regeneration: Concerns and Remedies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13380. | 1.8 | 14 |
| 410 | The efficacy of combining a vascularized biogenic conduit and a decellularized nerve graft in the treatment of peripheral nerve defects: An experimental study using the rat sciatic nerve defect model. <i>Microsurgery</i> , 2022, 42, 254-264. | 0.6 | 0 |
| 412 | STING regulates peripheral nerve regeneration and colony stimulating factor 1 receptor (CSF1R) processing in microglia. <i>IScience</i> , 2021, 24, 103434. | 1.9 | 5 |
| 413 | Polydopamine-modified chitin conduits with sustained release of bioactive peptides enhance peripheral nerve regeneration in rats. <i>Neural Regeneration Research</i> , 2022, 17, 2544. | 1.6 | 10 |
| 415 | SPIONs mediated magnetic actuation promotes nerve regeneration by inducing and maintaining repair-supportive phenotypes in Schwann cells. <i>Journal of Nanobiotechnology</i> , 2022, 20, 159. | 4.2 | 14 |
| 416 | Beyond Wrapping: Canonical and Noncanonical Functions of Schwann Cells. <i>Annual Review of Neuroscience</i> , 2022, 45, 561-580. | 5.0 | 11 |
| 417 | The macrophage: a key player in the pathophysiology of peripheral neuropathies. <i>Journal of Neuroinflammation</i> , 2022, 19, 97. | 3.1 | 28 |
| 418 | Incorporating Blood Flow in Nerve Injury and Regeneration Assessment. <i>Frontiers in Surgery</i> , 2022, 9, 862478. | 0.6 | 10 |
| 419 | A combined experimental and computational framework to evaluate the behavior of therapeutic cells for peripheral nerve regeneration. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1980-1996. | 1.7 | 3 |
| 427 | Electrospun nanofibers for manipulating soft tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7281-7308. | 2.9 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 428 | Novel Tissue-Engineered Multimodular Hyaluronic Acid-Polylactic Acid Conduits for the Regeneration of Sciatic Nerve Defect. <i>Biomedicines</i> , 2022, 10, 963. | 1.4 | 11 |
| 429 | Preclinical Evidence for the Role of Botulinum Neurotoxin A (BoNT/A) in the Treatment of Peripheral Nerve Injury. <i>Microorganisms</i> , 2022, 10, 886. | 1.6 | 8 |
| 430 | Nonwoven spideroin materials as scaffolds for <i>ex vivo</i> cultivation of aortic fragments and dorsal root ganglia. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2022, 33, 1685-1703. | 1.9 | 4 |
| 431 | An Emerging Frontier in Intercellular Communication: Extracellular Vesicles in Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, . | 1.8 | 12 |
| 432 | Engineered Schwann Cell-Based Therapies for Injury Peripheral Nerve Reconstruction. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, . | 1.8 | 13 |
| 433 | Harnessing Oxidative Microenvironment for <i>In Vivo</i> Synthesis of Subcellular Conductive Polymer Microsicles Enhances Nerve Reconstruction. <i>Nano Letters</i> , 2022, 22, 3825-3831. | 4.5 | 7 |
| 434 | The Effect of Tension on Gene Expression in Primary Nerve Repair via the Epineural Suture Technique. <i>Journal of Surgical Research</i> , 2022, 277, 211-223. | 0.8 | 2 |
| 435 | Metabolism-related MOGS Gene is Dysregulated After Peripheral Nerve Injury and Negatively Regulates Schwann Cell Plasticity. <i>Journal of Molecular Neuroscience</i> , 2022, , . | 1.1 | 2 |
| 436 | Extracellular Vesicles for Nerve Regeneration. <i>Reference Series in Biomedical Engineering</i> , 2022, , 415-435. | 0.1 | 0 |
| 437 | Blood Supply and Microcirculation of the Peripheral Nerve. <i>Reference Series in Biomedical Engineering</i> , 2022, , 35-79. | 0.1 | 3 |
| 438 | Mathematical Modeling for Nerve Repair Research. <i>Reference Series in Biomedical Engineering</i> , 2022, , 189-241. | 0.1 | 1 |
| 439 | Histological, immunohistochemical, and morphometric analysis of negative pressure-assisted in-vivo nerve stretch-growth. <i>Neuroscience Letters</i> , 2022, 782, 136687. | 1.0 | 0 |
| 440 | Simultaneous Quantification of Anisotropic Microcirculation and Microstructure in Peripheral Nerve. <i>Journal of Clinical Medicine</i> , 2022, 11, 3036. | 1.0 | 3 |
| 441 | CD200R1 Contributes to Successful Functional Reinnervation after a Sciatic Nerve Injury. <i>Cells</i> , 2022, 11, 1786. | 1.8 | 1 |
| 442 | Influence of Touch-Spun Nanofiber Diameter on Contact Guidance during Peripheral Nerve Repair. <i>Biomacromolecules</i> , 0, , . | 2.6 | 3 |
| 443 | miR-140-3p suppresses the proliferation and migration of macrophages. <i>Genetics and Molecular Biology</i> , 2022, 45, . | 0.6 | 1 |
| 444 | Exosomes from LPS-preconditioned bone marrow MSCs accelerated peripheral nerve regeneration via M2 macrophage polarization: Involvement of TSG-6/NF- κ B/NLRP3 signaling pathway. <i>Experimental Neurology</i> , 2022, 356, 114139. | 2.0 | 24 |
| 445 | Injectable DNA Hydrogel-Based Local Drug Delivery and Immunotherapy. <i>Gels</i> , 2022, 8, 400. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 447 | Occurrence of Lymphangiogenesis in Peripheral Nerve Autografts Contrasts Schwann Cell-Induced Apoptosis of Lymphatic Endothelial Cells In Vitro. <i>Biomolecules</i> , 2022, 12, 820. | 1.8 | 6 |
| 448 | Blood vessel remodeling in late stage of vascular network reconstruction is essential for peripheral nerve regeneration. <i>Bioengineering and Translational Medicine</i> , 2022, 7, . | 3.9 | 10 |
| 449 | The Contribution of Innervation to Tissue Repair and Regeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2022, 14, a041233. | 2.3 | 1 |
| 450 | Biomechanical microenvironment in peripheral nerve regeneration: from pathophysiological understanding to tissue engineering development. <i>Theranostics</i> , 2022, 12, 4993-5014. | 4.6 | 22 |
| 451 | Peripheral nerve defects repaired with autogenous vein grafts filled with platelet-rich plasma and active nerve microtissues and evaluated by novel multimodal ultrasound techniques. <i>Biomaterials Research</i> , 2022, 26, . | 3.2 | 8 |
| 453 | Comparison of human skin- and nerve-derived Schwann cells reveals many similarities and subtle genomic and functional differences. <i>Glia</i> , 0, , . | 2.5 | 6 |
| 454 | Interrogating glioma-M2 macrophage interactions identifies Gal-9/Tim-3 as a viable target against <i>PTEN</i> -null glioblastoma. <i>Science Advances</i> , 2022, 8, . | 4.7 | 29 |
| 455 | Muscle Grafts with Doxorubicin Pretreatment Produce "Empty Tubes" in the Basal Laminae, Promote Contentious Maturation of the Regenerated Axons, and Bridge 20-mm Sciatic Nerve Defects in Rats. <i>Journal of Reconstructive Microsurgery</i> , 0, , . | 1.0 | 0 |
| 456 | Macrophages Break Interneuromast Cell Quiescence by Intervening in the Inhibition of Schwann Cells in the Zebrafish Lateral Line. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, . | 1.8 | 2 |
| 457 | The primary macrophage chemokine, CCL2, is not necessary after a peripheral nerve injury for macrophage recruitment and activation or for conditioning lesion enhanced peripheral regeneration. <i>Journal of Neuroinflammation</i> , 2022, 19, . | 3.1 | 9 |
| 458 | Development of an In Vitro Biomimetic Peripheral Neurovascular Platform. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31567-31585. | 4.0 | 4 |
| 459 | Blebs' Formation, Regulation, Positioning, and Role in Amoeboid Cell Migration. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, . | 1.8 | 20 |
| 460 | Target Receptors of Regenerating Nerves: Neuroma Formation and Current Treatment Options. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, . | 1.4 | 9 |
| 461 | Platelet-rich plasma promotes peripheral nerve regeneration after sciatic nerve injury. <i>Neural Regeneration Research</i> , 2023, 18, 375. | 1.6 | 7 |
| 462 | Nerve growth factor-basic fibroblast growth factor poly-lactide co-glycolid sustained-release microspheres and the small gap sleeve bridging technique to repair peripheral nerve injury. <i>Neural Regeneration Research</i> , 2023, 18, 162. | 1.6 | 0 |
| 463 | Role of Dectin-1 in peripheral nerve injury. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, . | 1.8 | 1 |
| 464 | Dual-Bionic Regenerative Microenvironment for Peripheral Nerve Repairing. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 465 | Submicron Topographically Patterned 3D Substrates Enhance Directional Axon Outgrowth of Dorsal Root Ganglia Cultured Ex Vivo. <i>Biomolecules</i> , 2022, 12, 1059. | 1.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 466 | Successful retrograde regeneration using a sensory branch for motor nerve transfer. <i>Journal of Neurosurgery</i> , 2023, 138, 858-867. | 0.9 | 2 |
| 467 | Human repair-related Schwann cells adopt functions of antigen-presenting cells in vitro. <i>Glia</i> , 2022, 70, 2361-2377. | 2.5 | 6 |
| 468 | Autologous Platelet-Rich Growth Factor Reduces M1 Macrophages and Modulates Inflammatory Microenvironments to Promote Sciatic Nerve Regeneration. <i>Biomedicines</i> , 2022, 10, 1991. | 1.4 | 7 |
| 469 | Biomechanically-Adapted Immunohydrogels Reconstructing Myelin Sheath for Peripheral Nerve Regeneration. <i>Advanced Healthcare Materials</i> , 2022, 11, . | 3.9 | 7 |
| 470 | Sequential oxygen supply system promotes peripheral nerve regeneration by enhancing Schwann cells survival and angiogenesis. <i>Biomaterials</i> , 2022, 289, 121755. | 5.7 | 14 |
| 471 | Methacrylic acid-based biomaterials promote peripheral innervation in the subcutaneous space of mice. <i>Biomaterials</i> , 2022, 289, 121764. | 5.7 | 1 |
| 472 | Identification of hub genes in the subacute spinal cord injury in rats. <i>BMC Neuroscience</i> , 2022, 23, . | 0.8 | 5 |
| 474 | Effects of electroactive materials on nerve cell behaviors and applications in peripheral nerve repair. <i>Biomaterials Science</i> , 2022, 10, 6061-6076. | 2.6 | 11 |
| 476 | A novel decellularized nerve graft for repairing peripheral nerve long gap injury in the rat. <i>Cell and Tissue Research</i> , 2022, 390, 355-366. | 1.5 | 5 |
| 477 | Platelet-rich plasma loaded nerve guidance conduit as implantable biocompatible materials for recurrent laryngeal nerve regeneration. <i>Npj Regenerative Medicine</i> , 2022, 7, . | 2.5 | 9 |
| 478 | The Stimulation of Macrophages by Systematical Administration of GM-CSF Can Accelerate Adult Wound Healing Process. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11287. | 1.8 | 2 |
| 479 | Chitosan conduits enriched with fibrin-collagen hydrogel with or without adipose-derived mesenchymal stem cells for the repair of 15-mm-long sciatic nerve defect. <i>Neural Regeneration Research</i> , 2023, 18, 1378. | 1.6 | 5 |
| 480 | Macrophage depletion blocks congenital SARM1-dependent neuropathy. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 3.9 | 8 |
| 481 | Molecular and Regenerative Characterization of Repair and Non-repair Schwann Cells. <i>Cellular and Molecular Neurobiology</i> , 0, , . | 1.7 | 3 |
| 482 | Repairing sciatic nerve injury with self-assembling peptide nanofiber scaffold-containing chitosan conduit. <i>Frontiers in Neurology</i> , 0, 13, . | 1.1 | 2 |
| 483 | Transcriptional Control of Peripheral Nerve Regeneration. <i>Molecular Neurobiology</i> , 2023, 60, 329-341. | 1.9 | 12 |
| 484 | Single-cell sequencing reveals the cell map and transcriptional network of sporadic vestibular schwannoma. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, . | 1.4 | 6 |
| 485 | Motor neurons use push-pull signals to direct vascular remodeling critical for their connectivity. <i>Neuron</i> , 2022, 110, 4090-4107.e11. | 3.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 486 | Therapies Based on Adipose-Derived Stem Cells for Lower Urinary Tract Dysfunction: A Narrative Review. <i>Pharmaceutics</i> , 2022, 14, 2229. | 2.0 | 0 |
| 488 | Artificial nerve graft constructed by coculture of activated Schwann cells and human hair keratin for repair of peripheral nerve defects. <i>Neural Regeneration Research</i> , 2023, 18, 1118. | 1.6 | 7 |
| 489 | Determination of the Severity of Pulpitis by Immunohistological Analysis and Comparison with the Clinical Picture. <i>Journal of Endodontics</i> , 2023, 49, 26-35. | 1.4 | 2 |
| 490 | Macrophages in health and disease. <i>Cell</i> , 2022, 185, 4259-4279. | 13.5 | 123 |
| 491 | Artificial Nerve Containing Stem Cells, Vascularity and Scaffold; Review of Our Studies. <i>Stem Cell Reviews and Reports</i> , 0, , . | 1.7 | 0 |
| 492 | Schwann cell functions in peripheral nerve development and repair. <i>Neurobiology of Disease</i> , 2023, 176, 105952. | 2.1 | 32 |
| 493 | Inhibiting apoptosis of Schwann cell under the high-glucose condition: A promising approach to treat diabetic peripheral neuropathy using Chinese herbal medicine. <i>Biomedicine and Pharmacotherapy</i> , 2023, 157, 114059. | 2.5 | 5 |
| 494 | Potential link between the nerve injury-induced protein (Ninjurin) and the pathogenesis of endometriosis. <i>International Immunopharmacology</i> , 2023, 114, 109452. | 1.7 | 0 |
| 495 | Restoration of spinal cord injury: From endogenous repairing process to cellular therapy. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, . | 1.8 | 3 |
| 496 | Monocytes deposit migrasomes to promote embryonic angiogenesis. <i>Nature Cell Biology</i> , 2022, 24, 1726-1738. | 4.6 | 22 |
| 498 | The injured sciatic nerve atlas (iSNAT), insights into the cellular and molecular basis of neural tissue degeneration and regeneration. <i>ELife</i> , 0, 11, . | 2.8 | 11 |
| 499 | Down-regulation miR-146a-5p in Schwann cell-derived exosomes induced macrophage M1 polarization by impairing the inhibition on TRAF6/NF- κ B pathway after peripheral nerve injury. <i>Experimental Neurology</i> , 2023, 362, 114295. | 2.0 | 8 |
| 500 | Tumor Biology and Microenvironment of Vestibular Schwannoma-Relation to Tumor Growth and Hearing Loss. <i>Biomedicines</i> , 2023, 11, 32. | 1.4 | 1 |
| 501 | Electrical stimulation accelerates Wallerian degeneration and promotes nerve regeneration after sciatic nerve injury. <i>Glia</i> , 2023, 71, 758-774. | 2.5 | 10 |
| 502 | Behavioral and axon histomorphometric analyses after intraneural transplantation of human skin- and nerve-derived Schwann cells in nude rats. <i>Muscle and Nerve</i> , 0, , . | 1.0 | 0 |
| 503 | Microfluidic Manipulation for Biomedical Applications in the Central and Peripheral Nervous Systems. <i>Pharmaceutics</i> , 2023, 15, 210. | 2.0 | 3 |
| 505 | A bibliometric analysis: Current status and frontier trends of Schwann cells in neurosciences. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, . | 1.4 | 4 |
| 506 | Endothelial cell-derived exosomes boost and maintain repair-related phenotypes of Schwann cells via miR199-5p to promote nerve regeneration. <i>Journal of Nanobiotechnology</i> , 2023, 21, . | 4.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 507 | Renal-friendly Li+-doped carbonized polymer dots activate Schwann cell autophagy for promoting peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2023, 159, 353-366. | 4.1 | 7 |
| 508 | Immunity to the microbiota promotes sensory neuron regeneration. <i>Cell</i> , 2023, 186, 607-620.e17. | 13.5 | 28 |
| 509 | Myeloid masquerade: Microglial transcriptional signatures in retinal development and disease. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, . | 1.8 | 2 |
| 510 | Vascular and Neural Response to Focal Vibration, Sensory Feedback, and Piezo Ion Channel Signaling. , 2023, 2, 42-90. | | 0 |
| 511 | Nanobiology Dependent Therapeutic Convergence between Biocompatibility and Bioeffectiveness of Graphene Oxide Quantum Dot Scaffold for Immuno-Inductive Angiogenesis and Nerve Regeneration. <i>Advanced Functional Materials</i> , 2023, 33, . | 7.8 | 8 |
| 512 | S-Propargyl-Cysteine Ameliorates Peripheral Nerve Injury through Microvascular Reconstruction. <i>Antioxidants</i> , 2023, 12, 294. | 2.2 | 0 |
| 513 | Role of secretomes in cell-free therapeutic strategies in regenerative medicine. <i>Cell and Tissue Banking</i> , 0, , . | 0.5 | 1 |
| 514 | Biobased materials in nerve regeneration. , 2023, , 493-503. | | 0 |
| 515 | A practical guide to starting SEM array tomography—An accessible volume EM technique. <i>Methods in Cell Biology</i> , 2023, , . | 0.5 | 1 |
| 516 | Important Cells and Factors from Tumor Microenvironment Participated in Perineural Invasion. <i>Cancers</i> , 2023, 15, 1360. | 1.7 | 5 |
| 517 | Skin precursor-derived Schwann cells accelerate in vivo prevascularization of tissue-engineered nerves to promote peripheral nerve regeneration. <i>Glia</i> , 2023, 71, 1755-1769. | 2.5 | 2 |
| 518 | Exploring the molecular pathways and therapeutic implications of angiogenesis in neuropathic pain. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114693. | 2.5 | 3 |
| 519 | Dual-bionic regenerative microenvironment for peripheral nerve repair. <i>Bioactive Materials</i> , 2023, 26, 370-386. | 8.6 | 2 |
| 520 | Loss of Gata1 decreased eosinophils, macrophages, and type 2 cytokines in regenerating nerve and delayed axon regeneration after a segmental nerve injury. <i>Experimental Neurology</i> , 2023, 362, 114327. | 2.0 | 5 |
| 521 | Characterization of the structure and control of the blood-nerve barrier identifies avenues for therapeutic delivery. <i>Developmental Cell</i> , 2023, 58, 174-191.e8. | 3.1 | 12 |
| 522 | All-in-one smart dressing for simultaneous angiogenesis and neural regeneration. <i>Journal of Nanobiotechnology</i> , 2023, 21, . | 4.2 | 2 |
| 523 | Low-intensity pulsed ultrasound ameliorates erectile dysfunction induced by bilateral cavernous nerve injury through enhancing Schwann cell-mediated cavernous nerve regeneration. <i>Andrology</i> , 0, , . | 1.9 | 1 |
| 524 | Self-renewing macrophages in dorsal root ganglia contribute to promote nerve regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, . | 3.3 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 525 | Injectable hydrogel encapsulated with VEGF-mimetic peptide-loaded nanoliposomes promotes peripheral nerve repair in vivo. <i>Acta Biomaterialia</i> , 2023, 160, 225-238. | 4.1 | 12 |
| 526 | Exploring the Mechanism of Microfracture in the Treatment of Porcine Full-Thickness Cartilage Defect. <i>American Journal of Sports Medicine</i> , 2023, 51, 1033-1046. | 1.9 | 4 |
| 527 | Delay modulates the immune response to nerve repair. <i>Npj Regenerative Medicine</i> , 2023, 8, . | 2.5 | 1 |
| 528 | TLR2 and 4 signaling pathways are altered in macrophages from V30M TTR mice with down-regulated expression of chemokines. <i>Clinical Science</i> , 2023, 137, 355-366. | 1.8 | 2 |
| 529 | Peripheral nerve-derived fibroblasts promote neurite outgrowth in adult dorsal root ganglion neurons more effectively than skin-derived fibroblasts. <i>Experimental Physiology</i> , 2023, 108, 621-635. | 0.9 | 1 |
| 530 | Local delivery of FK506 to a nerve allograft is comparable to systemic delivery at suppressing allogeneic graft rejection. <i>PLoS ONE</i> , 2023, 18, e0281911. | 1.1 | 0 |
| 531 | Engineered multifunctional silk fibroin/gelatin hydrogel conduit loaded with miR-29a@ZIF-8 nanoparticles for peripheral nerve regeneration. <i>Smart Materials in Medicine</i> , 2023, 4, 480-492. | 3.7 | 26 |
| 532 | Glycolytic System in Axons Supplement Decreased ATP Levels after Axotomy of the Peripheral Nerve. <i>ENeuro</i> , 2023, 10, ENEURO.0353-22.2023. | 0.9 | 2 |
| 533 | Neuroregeneration and immune response after neuroorrhaphy are improved with the use of heterologous fibrin biopolymer in addition to suture repair alone. <i>Muscle and Nerve</i> , 2023, 67, 522-536. | 1.0 | 3 |
| 534 | Peripheral Nerve Matrix Hydrogel Promotes Recovery after Nerve Transection and Repair. <i>Plastic and Reconstructive Surgery</i> , 2023, 152, 458e-467e. | 0.7 | 1 |
| 535 | Functional neurological restoration of amputated peripheral nerve using biohybrid regenerative bioelectronics. <i>Science Advances</i> , 2023, 9, . | 4.7 | 10 |
| 537 | Dental Follicle Stem Cells Promote Periodontal Regeneration through Periostin-Mediated Macrophage Infiltration and Reprogramming in an Inflammatory Microenvironment. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6353. | 1.8 | 4 |
| 538 | VEGFA-modified DPSCs combined with LC-YE-PLGA NGCs promote facial nerve injury repair in rats. <i>Heliyon</i> , 2023, 9, e14626. | 1.4 | 4 |
| 539 | 4D Printed Programmable Shape-Morphing Hydrogels as Intraoperative Self-Folding Nerve Conduits for Sutureless Neuroorrhaphy. <i>Advanced Healthcare Materials</i> , 2023, 12, . | 3.9 | 14 |
| 540 | Battery-Free, Wireless, Cuff-Type, Multimodal Physical Sensor for Continuous Temperature and Strain Monitoring of Nerve. <i>Small</i> , 2023, 19, . | 5.2 | 6 |
| 541 | Effects of pulsed dye laser treatment in psoriasis: A nerve-wrecking process?. <i>Experimental Dermatology</i> , 2023, 32, 1165-1173. | 1.4 | 0 |
| 545 | Immune and Glial Cells in Pain and Their Interactions with Nociceptive Neurons. , 2023, , 121-151. | | 0 |
| 555 | Physiology and diseases of tissue-resident macrophages. <i>Nature</i> , 2023, 618, 698-707. | 13.7 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 609 | Discussion: Enhancing Functional Recovery after Segmental Nerve Defect Using Nerve Allograft Treated with Plasma-Derived Exosome. <i>Plastic and Reconstructive Surgery</i> , 2023, 152, 1259-1260. | 0.7 | 0 |
| 614 | Roles of Macrophages and Their Interactions with Schwann Cells After Peripheral Nerve Injury. <i>Cellular and Molecular Neurobiology</i> , 2024, 44, . | 1.7 | 0 |
| 622 | Beyond the limiting gap length: peripheral nerve regeneration through implantable nerve guidance conduits. <i>Biomaterials Science</i> , 2024, 12, 1371-1404. | 2.6 | 0 |