

# Peixun Zhang

## List of Publications by Year in descending order

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116  
papers

2,268  
citations

257357

24  
h-index

276775

41  
g-index

129  
all docs

129  
docs citations

129  
times ranked

3017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term bone and lung consequences associated with hospital-acquired severe acute respiratory syndrome: a 15-year follow-up from a prospective cohort study. <i>Bone Research</i> , 2020, 8, 8.	5.4	320
2	Aligned chitosan nanofiber hydrogel grafted with peptides mimicking bioactive brain-derived neurotrophic factor and vascular endothelial growth factor repair long-distance sciatic nerve defects in rats. <i>Theranostics</i> , 2020, 10, 1590-1603.	4.6	128
3	Multifunctional DNA Hydrogels with Hydrocolloidâ€Cotton Structure for Regeneration of Diabetic Infectious Wounds. <i>Advanced Functional Materials</i> , 2021, 31, 2106167.	7.8	81
4	Exosomes from Human Gingiva-Derived Mesenchymal Stem Cells Combined with Biodegradable Chitin Conduits Promote Rat Sciatic Nerve Regeneration. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	76
5	Tissue engineering for the repair of peripheral nerve injury. <i>Neural Regeneration Research</i> , 2019, 14, 51.	1.6	69
6	Functional DNA-based hydrogel intelligent materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1991-2009.	2.9	60
7	Bridging Small-Gap Peripheral Nerve Defects Using Biodegradable Chitin Conduits with Cultured Schwann and Bone Marrow Stromal Cells in Rats. <i>Journal of Reconstructive Microsurgery</i> , 2005, 21, 565-572.	1.0	45
8	Mechanism research on a bioactive resveratrol&ndash;PLA&ndash;gelatin porous nano-scaffold in promoting the repair of cartilage defect. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7845-7858.	3.3	44
9	Application of Chitosan and Its Derivative Polymers in Clinical Medicine and Agriculture. <i>Polymers</i> , 2022, 14, 958.	2.0	43
10	Reduced graphene oxide&ndash;GelMA&ndash;PCL hybrid nanofibers for peripheral nerve regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10593-10601.	2.9	42
11	Bone Marrow Stromal Cells Differentiated into Functional Schwann Cells in Injured Rats Sciatic Nerve. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2004, 32, 509-518.	0.9	39
12	Biodegradable Conduit Small Gap Tubulization for Peripheral Nerve Mutilation: A Substitute for Traditional Epineurial Neurorrhaphy. <i>International Journal of Medical Sciences</i> , 2013, 10, 171-175.	1.1	39
13	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. <i>Theranostics</i> , 2019, 9, 734-746.	4.6	39
14	The Whole Transcriptome Involved in Denervated Muscle Atrophy Following Peripheral Nerve Injury. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 69.	1.4	37
15	Expanded 3D nanofibre sponge scaffolds by gas-foaming technique enhance peripheral nerve regeneration. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 491-500.	1.9	37
16	Cortical plasticity and nerve regeneration after peripheral nerve injury. <i>Neural Regeneration Research</i> , 2021, 16, 1518.	1.6	36
17	Study on Small Gap Sleeve Bridging Peripheral Nerve Injury. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2006, 34, 55-74.	0.9	35
18	Aligned fibrin/functionalized self-assembling peptide interpenetrating nanofiber hydrogel presenting multi-cues promotes peripheral nerve functional recovery. <i>Bioactive Materials</i> , 2022, 8, 529-544.	8.6	35

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19	Advances in Small Gap Sleeve Bridging Peripheral Nerve Injury. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2010, 38, 1-4.	0.9	31
20	Microfluidic-based screening of resveratrol and drug-loading PLA/Gelatine nano-scaffold for the repair of cartilage defect. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 336-346.	1.9	31
21	Comparing total hip arthroplasty and hemiarthroplasty for the treatment of displaced femoral neck fracture in the active elderly over 75 years old: a systematic review and meta-analysis of randomized control trials. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 215.	0.9	31
22	Electrical Stimulation Promotes Regeneration of Defective Peripheral Nerves after Delayed Repair Intervals Lasting under One Month. <i>PLoS ONE</i> , 2014, 9, e105045.	1.1	30
23	An injectable and biodegradable nano-photothermal DNA hydrogel enhances penetration and efficacy of tumor therapy. <i>Biomaterials Science</i> , 2021, 9, 4904-4921.	2.6	29
24	A controllable local drug delivery system based on porous fibers for synergistic treatment of melanoma and promoting wound healing. <i>Biomaterials Science</i> , 2019, 7, 5084-5096.	2.6	27
25	Hip Replacement as Alternative to Intramedullary Nail in Elderly Patients with Unstable Intertrochanteric Fracture: A Systematic Review and Meta-analysis. <i>Orthopaedic Surgery</i> , 2019, 11, 745-754.	0.7	26
26	Enhanced recovery after surgery for hip fractures: a systematic review and meta-analysis. <i>Perioperative Medicine (London, England)</i> , 2021, 10, 31.	0.6	26
27	Treatment of unstable distal clavicle fractures (Neer type II): A comparison of three internal fixation methods. <i>Journal of International Medical Research</i> , 2018, 46, 4678-4683.	0.4	24
28	Risk Factors for Functional Outcomes of the Elderly with Intertrochanteric Fracture: A Retrospective Cohort Study. <i>Orthopaedic Surgery</i> , 2019, 11, 643-652.	0.7	23
29	Hospitalisation cost analysis on hip fracture in China: a multicentre study among 73 tertiary hospitals. <i>BMJ Open</i> , 2018, 8, e019147.	0.8	22
30	Polydopamine-coated polycaprolactone/carbon nanotube fibrous scaffolds loaded with brain-derived neurotrophic factor for peripheral nerve regeneration. <i>Biofabrication</i> , 2022, 14, 035006.	3.7	22
31	The Experimental Research of Nerve Fibers Compensation Amplification Innervation of Ular Nerve and Musculocutaneous Nerve in Rhesus Monkeys. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2011, 39, 39-43.	0.9	21
32	The Histological Analysis of Biological Conduit Sleeve Bridging Rhesus Monkey Median Nerve Injury with Small Gap. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2009, 37, 101-104.	0.9	20
33	Intramedullary nail versus locking plate for treatment of proximal humeral fractures: A meta-analysis based on 1384 individuals. <i>Journal of International Medical Research</i> , 2018, 46, 4363-4376.	0.4	20
34	Biodegradable chitin conduit tubulation combined with bone marrow mesenchymal stem cell transplantation for treatment of spinal cord injury by reducing glial scar and cavity formation. <i>Neural Regeneration Research</i> , 2015, 10, 104.	1.6	20
35	Risk factors for cement leakage and nomogram for predicting the intradiscal cement leakage after the vertebra augmented surgery. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 792.	0.8	19
36	A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <i>Scientific Reports</i> , 2016, 6, 26879.	1.6	18

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37	The Experimental Study of Absorbable Chitin Conduit for Bridging Peripheral Nerve Defect with Nerve Fasciculi in Rats. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 360-371.	0.9	17
38	PVDF piezoelectric neural conduit incorporated pre-differentiated adipose-derived stem cells may accelerate the repair of peripheral nerve injury. <i>Medical Hypotheses</i> , 2018, 114, 55-57.	0.8	17
39	Local administration of icariin contributes to peripheral nerve regeneration and functional recovery. <i>Neural Regeneration Research</i> , 2015, 10, 84.	1.6	17
40	The change tendency of PI3K/Akt pathway after spinal cord injury. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2223-32.	0.0	17
41	Conductive conduit small gap tubulization for peripheral nerve repair. <i>RSC Advances</i> , 2020, 10, 16769-16775.	1.7	16
42	Repair of Peripheral Nerve Injury Using Hydrogels Based on Self-Assembled Peptides. <i>Gels</i> , 2021, 7, 152.	2.1	16
43	Small-Molecule SB216763-Loaded Microspheres Repair Peripheral Nerve Injury in Small Gap Tubulization. <i>Frontiers in Neuroscience</i> , 2019, 13, 489.	1.4	15
44	The Electrophysiology Analysis of Biological Conduit Sleeve Bridging Rhesus Monkey Median Nerve Injury with Small Gap. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 457-463.	0.9	14
45	The Immunohistological Observation of Proliferation Rule of Schwann Cell after Sciatic Nerve Injury in Rats. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 150-155.	0.9	14
46	Advance of Peripheral Nerve Injury Repair and Reconstruction. <i>Chinese Medical Journal</i> , 2017, 130, 2996-2998.	0.9	14
47	Polymer Scaffolds for Biomedical Applications in Peripheral Nerve Reconstruction. <i>Molecules</i> , 2021, 26, 2712.	1.7	14
48	Biological conduit small gap sleeve bridging method for peripheral nerve injury: regeneration law of nerve fibers in the conduit. <i>Neural Regeneration Research</i> , 2015, 10, 71.	1.6	14
49	GSK3 $\beta$ inhibition accelerates axon debris clearance and new axon remyelination. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5410-5420.	0.0	14
50	Prognostic Implications of Preoperative Pneumonia for Geriatric Patients Undergoing Hip Fracture Surgery or Arthroplasty. <i>Orthopaedic Surgery</i> , 2020, 12, 1890-1899.	0.7	13
51	Small gap sleeve bridging can improve the accuracy of peripheral nerve selective regeneration. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013, 41, 402-407.	1.9	12
52	Peripheral nerve intersectional repair by bi-directional induction and systematic remodelling: biodegradable conduit tubulization from basic research to clinical application. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1464-1466.	1.9	12
53	Electrical stimulation does not enhance nerve regeneration if delayed after sciatic nerve injury: the role of fibrosis. <i>Neural Regeneration Research</i> , 2015, 10, 90.	1.6	12
54	What Are the Risk Factors for Adjacent Vertebral Fracture After Vertebral Augmentation? A Meta-Analysis of Published Studies. <i>Global Spine Journal</i> , 2022, 12, 130-141.	1.2	11

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55	The Biocompatibility Research of Functional Schwann Cells Induced from Bone Mesenchymal Cells with Chitosan Conduit Membrane. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2006, 34, 91-99.	0.9	10
56	Neural regeneration after peripheral nerve injury repair is a system remodelling process of interaction between nerves and terminal effector. <i>Neural Regeneration Research</i> , 2015, 10, 52.	1.6	10
57	Anterior subcutaneous transposition of the ulnar nerve improves neurological function in patients with cubital tunnel syndrome. <i>Neural Regeneration Research</i> , 2015, 10, 1690.	1.6	10
58	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
59	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
60	Effect of active Notch signaling system on the early repair of rat sciatic nerve injury. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 383-389.	1.9	9
61	Dorsal root ganglion neurons promote proliferation and osteogenic differentiation of bone marrow mesenchymal stem cells. <i>Neural Regeneration Research</i> , 2015, 10, 119.	1.6	9
62	A novel specialized staging system for cancellous fracture healing, distinct from traditional healing pattern of diaphysis cortical fracture?. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1301-4.	1.3	9
63	The neural regeneration effect of chitin biological absorbable tubes bridging sciatic nerve defects with sural nerve grafts. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2362-2371.	0.0	9
64	Application of Hybrid Electrically Conductive Hydrogels Promotes Peripheral Nerve Regeneration. <i>Gels</i> , 2022, 8, 41.	2.1	9
65	Sustained release of exosomes loaded into polydopamine-modified chitin conduits promotes peripheral nerve regeneration in rats. <i>Neural Regeneration Research</i> , 2022, 17, 2050.	1.6	9
66	A Nanostructured SERS Switch Based on Molecular Beacon-Controlled Assembly of Gold Nanoparticles. <i>Nanomaterials</i> , 2016, 6, 24.	1.9	8
67	Repair of bone defects with prefabricated vascularized bone grafts and double-labeled bone marrow-derived mesenchymal stem cells in a rat model. <i>Scientific Reports</i> , 2017, 7, 39431.	1.6	8
68	Bridging peripheral nerves using a deacetyl chitin conduit combined with short-term electrical stimulation. <i>Neural Regeneration Research</i> , 2014, 9, 1075.	1.6	8
69	One-stage human acellular nerve allograft reconstruction for digital nerve defects. <i>Neural Regeneration Research</i> , 2015, 10, 95.	1.6	8
70	Comparison of commonly used retrograde tracers in rat spinal motor neurons. <i>Neural Regeneration Research</i> , 2015, 10, 1700.	1.6	8
71	Local transplantation of osteogenic pre-differentiated autologous adipose-derived mesenchymal stem cells may accelerate non-union fracture healing with limited pro-metastatic potency. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1406-10.	1.3	8
72	Cauda equina syndrome caused by isolated spinal extramedullary-intradural cauda equina metastasis is the primary symptom of small cell lung cancer: a case report and review of the literature. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 10044-50.	1.3	8

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73	Autologous transplantation with fewer fibers repairs large peripheral nerve defects. <i>Neural Regeneration Research</i> , 2017, 12, 2077.	1.6	7
74	Chitin Nerve Conduits with Three-Dimensional Spheroids of Mesenchymal Stem Cells from SD Rats Promote Peripheral Nerve Regeneration. <i>Polymers</i> , 2021, 13, 3957.	2.0	7
75	Peripheral nerve mutilation through biodegradable conduit small gap tubulisation: a multicentre randomised trial. <i>Lancet, The</i> , 2015, 386, S40.	6.3	6
76	Tanshinone IIA attenuates nerve structural and functional damage induced by nerve crush injury in rats. <i>PLoS ONE</i> , 2018, 13, e0202532.	1.1	6
77	Combining chitin biological conduits with small autogenous nerves and platelet-rich plasma for the repair of sciatic nerve defects in rats. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 805-819.	1.9	6
78	Comparison of Road Traffic Injury Characteristics between Local versus Floating Migrant Patients in a Tertiary Hospital between 2007 and 2010. <i>PLoS ONE</i> , 2014, 9, e82640.	1.1	6
79	Qian-Zheng-San promotes regeneration after sciatic nerve crush injury in rats. <i>Neural Regeneration Research</i> , 2019, 14, 683.	1.6	6
80	Reinnervation of spinal cord anterior horn cells after median nerve repair using transposition with other nerves. <i>Neural Regeneration Research</i> , 2019, 14, 699.	1.6	6
81	Repair of peripheral nerve defects by nerve transposition using small gap bio-sleeve suture with different inner diameters at both ends. <i>Neural Regeneration Research</i> , 2019, 14, 706.	1.6	6
82	Clinical effect of distal radius fracture treated with open reduction and internal plate fixation. <i>Chinese Medical Journal</i> , 2012, 125, 140-3.	0.9	6
83	Three-dimensional conductive polycaprolactone/carbon nanotubes scaffolds for peripheral nerve regeneration. <i>Journal of Materials Science</i> , 2022, 57, 11289-11299.	1.7	6
84	Topography of Synchronization of Somatosensory Evoked Potentials Elicited by Stimulation of the Sciatic Nerve in Rat. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 43.	1.2	5
85	Chitin biological absorbable catheters bridging sural nerve grafts transplanted into sciatic nerve defects promote nerve regeneration. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 483-494.	1.9	5
86	Effects of Akt/mTOR/p70S6K Signaling Pathway Regulation on Neuron Remodeling Caused by Translocation Repair. <i>Frontiers in Neuroscience</i> , 2020, 14, 565870.	1.4	5
87	Different fixation pattern for thoracolumbar fracture of ankylosing spondylitis: A finite element analysis. <i>PLoS ONE</i> , 2021, 16, e0250009.	1.1	5
88	Healing of cancellous fracture in a novel mouse model. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2279-90.	0.0	5
89	Myelin-associated glycoprotein combined with chitin conduit inhibits painful neuroma formation after sciatic nerve transection. <i>Neural Regeneration Research</i> , 2022, 17, 1343.	1.6	5
90	Analysis of temporal expression profiles after sciatic nerve injury by bioinformatic method. <i>Scientific Reports</i> , 2017, 7, 9818.	1.6	4

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91	Sleeve bridging of the rhesus monkey ulnar nerve with muscular branches of the pronator teres: multiple amplification of axonal regeneration. <i>Neural Regeneration Research</i> , 2015, 10, 53.	1.6	4
92	Short-term observations of the regenerative potential of injured proximal sensory nerves crossed with distal motor nerves. <i>Neural Regeneration Research</i> , 2017, 12, 1172.	1.6	4
93	Repair of long segmental ulnar nerve defects in rats by several different kinds of nerve transposition. <i>Neural Regeneration Research</i> , 2019, 14, 692.	1.6	4
94	Role of lumbricus extract in the nerve amplification effect during peripheral nerve regeneration. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 876-85.	0.0	4
95	EGFP Expression Controlled by GFAP Promoter in Mesenchymal Cells: An Efficient Tool for Glial Lineage Selection and Transplantation. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2005, 33, 307-317.	0.9	3
96	Wnt5a Affects Schwann Cell Proliferation and Regeneration via Wnt/c-Jun and PTEN Signaling Pathway. <i>Chinese Medical Journal</i> , 2018, 131, 2623-2625.	0.9	3
97	The effect of lentivirus-mediated SIRT1 gene knockdown in the ATDC5 cell line via inhibition of the Wnt signaling pathway. <i>Cellular Signalling</i> , 2019, 53, 80-89.	1.7	3
98	<p>Repair Method for Complete High Ulnar Nerve Injury Based on Nerve Magnified Regeneration</p>. <i>Therapeutics and Clinical Risk Management</i> , 2020, Volume 16, 155-168.	0.9	3
99	A clinical nomogram predicting unplanned intensive care unit admission after hip fracture surgery. <i>Surgery</i> , 2021, 170, 291-297.	1.0	3
100	Large animal models of human cauda equina injury and repair: evaluation of a novel goat model. <i>Neural Regeneration Research</i> , 2015, 10, 60.	1.6	3
101	Profiling of the dynamically altered gene expression in peripheral nerve injury using NGS RNA sequencing technique. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 871-84.	0.0	3
102	Comparison between headless cannulated screws and partially threaded screws in femoral neck fracture treatment: a retrospective cohort study. <i>Scientific Reports</i> , 2022, 12, 1743.	1.6	3
103	Characteristics of peripheral nerve regeneration following a second nerve injury and repair. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2012, 40, 296-302.	0.9	2
104	Reply to "Can femoral head necrosis induced by steroid therapy in patients infected with coronaviruses be reversed?". <i>Bone Research</i> , 2021, 9, 2.	5.4	2
105	Brain functional remodeling caused by sciatic nerve transposition repair in rats identified by multiple-model resting-state blood oxygenation level-dependent functional magnetic resonance imaging analysis. <i>Neural Regeneration Research</i> , 2022, 17, 418.	1.6	2
106	Use of nerve elongator to repair short-distance peripheral nerve defects: a prospective randomized study. <i>Neural Regeneration Research</i> , 2015, 10, 79.	1.6	2
107	Positioning study of cervical vertebra pedicle axial line projective point by computed tomography image reconstruction. <i>Chinese Medical Journal</i> , 2012, 125, 2521-4.	0.9	2
108	Changes and trends of pre-hospital emergency disease spectrum in Beijing in the past decade (from) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	1

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109	The anatomical, electrophysiological and histological observations of muscle contraction units in rabbits: a new perspective on nerve injury and regeneration. <i>Neural Regeneration Research</i> , 2022, 17, 228.	1.6	1
110	Local administration of IKK small molecule inhibitor may enhance fracture healing in osteoporosis patient. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1411-5.	1.3	1
111	Chitin conduits modified with DNA-peptide coating promote the peripheral nerve regeneration. <i>Biofabrication</i> , 2021, 14, .	3.7	1
112	Does segmental artery occlusion cause intravertebral cleft following osteoporotic vertebral fracture: a prospective magnetic resonance angiography study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 103.	0.8	1
113	Territory maximization hypothesis during peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2018, 13, 230.	1.6	0
114	Three cases giant panda attack on human at Beijing Zoo. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 4515-8.	1.3	0
115	Biliary tract and pancreatic surgery complicated by acute pancreatitis: a clinical analysis. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 6295-8.	1.3	0
116	Using suture and locking anatomical bridging plate to fix comminuted mid-shaft clavicle fractures with intramedullary nail assistance in reduction. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 11153-9.	1.3	0