

Peixun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	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
5	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
6	Application of Hybrid Electrically Conductive Hydrogels Promotes Peripheral Nerve Regeneration. <i>Gels</i> , 2022, 8, 41.	2.1	9
7	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
8	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
9	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
10	Application of Chitosan and Its Derivative Polymers in Clinical Medicine and Agriculture. <i>Polymers</i> , 2022, 14, 958.	2.0	43
11	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
12	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
13	Three-dimensional conductive polycaprolactone/carbon nanotubes scaffolds for peripheral nerve regeneration. <i>Journal of Materials Science</i> , 2022, 57, 11289-11299.	1.7	6
14	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
15	Cortical plasticity and nerve regeneration after peripheral nerve injury. <i>Neural Regeneration Research</i> , 2021, 16, 1518.	1.6	36
16	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
17	Different fixation pattern for thoracolumbar fracture of ankylosing spondylitis: A finite element analysis. <i>PLoS ONE</i> , 2021, 16, e0250009.	1.1	5
18	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

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19	Polymer Scaffolds for Biomedical Applications in Peripheral Nerve Reconstruction. <i>Molecules</i> , 2021, 26, 2712.	1.7	14
20	A clinical nomogram predicting unplanned intensive care unit admission after hip fracture surgery. <i>Surgery</i> , 2021, 170, 291-297.	1.0	3
21	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
22	Multifunctional DNA Hydrogels with Hydrocolloid Cotton Structure for Regeneration of Diabetic Infectious Wounds. <i>Advanced Functional Materials</i> , 2021, 31, 2106167.	7.8	81
23	Repair of Peripheral Nerve Injury Using Hydrogels Based on Self-Assembled Peptides. <i>Gels</i> , 2021, 7, 152.	2.1	16
24	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
25	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
26	Chitin conduits modified with DNA-peptide coating promote the peripheral nerve regeneration. <i>Biofabrication</i> , 2021, 14, .	3.7	1
27	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
28	Reduced graphene oxide-GelMA-PCL hybrid nanofibers for peripheral nerve regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10593-10601.	2.9	42
29	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
30	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
31	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
32	Conductive conduit small gap tubulization for peripheral nerve repair. <i>RSC Advances</i> , 2020, 10, 16769-16775.	1.7	16
33	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
34	Repair Method for Complete High Ulnar Nerve Injury Based on Nerve Magnified Regeneration. <i>Therapeutics and Clinical Risk Management</i> , 2020, Volume 16, 155-168.	0.9	3
35	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
36	Functional DNA-based hydrogel intelligent materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1991-2009.	2.9	60

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37	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
38	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
39	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
40	Small-Molecule SB216763-Loaded Microspheres Repair Peripheral Nerve Injury in Small Gap Tubulization. <i>Frontiers in Neuroscience</i> , 2019, 13, 489.	1.4	15
41	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
42	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
43	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. <i>Theranostics</i> , 2019, 9, 734-746.	4.6	39
44	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
45	Tissue engineering for the repair of peripheral nerve injury. <i>Neural Regeneration Research</i> , 2019, 14, 51.	1.6	69
46	Qian-Zheng-San promotes regeneration after sciatic nerve crush injury in rats. <i>Neural Regeneration Research</i> , 2019, 14, 683.	1.6	6
47	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
48	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
49	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
50	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
51	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
52	Microfluidic-based screening of resveratrol and drug-loading PLA/Gelatin nano-scaffold for the repair of cartilage defect. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 336-346.	1.9	31
53	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
54	Mechanism research on a bioactive resveratrol–PLA–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

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55	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
56	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
57	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
58	The Whole Transcriptome Involved in Denervated Muscle Atrophy Following Peripheral Nerve Injury. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 69.	1.4	37
59	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
60	Territory maximization hypothesis during peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2018, 13, 230.	1.6	0
61	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
62	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
63	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
64	Analysis of temporal expression profiles after sciatic nerve injury by bioinformatic method. <i>Scientific Reports</i> , 2017, 7, 9818.	1.6	4
65	Advance of Peripheral Nerve Injury Repair and Reconstruction. <i>Chinese Medical Journal</i> , 2017, 130, 2996-2998.	0.9	14
66	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
67	Autologous transplantation with fewer fibers repairs large peripheral nerve defects. <i>Neural Regeneration Research</i> , 2017, 12, 2077.	1.6	7
68	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
69	A Nanostructured SERS Switch Based on Molecular Beacon-Controlled Assembly of Gold Nanoparticles. <i>Nanomaterials</i> , 2016, 6, 24.	1.9	8
70	A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <i>Scientific Reports</i> , 2016, 6, 26879.	1.6	18
71	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
72	GSK3 β inhibition accelerates axon debris clearance and new axon remyelination. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5410-5420.	0.0	14

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73	Changes and trends of pre-hospital emergency disease spectrum in Beijing in the past decade (from) Tj ETQq1 1 0.784314 rgBT /Over	0.2	1
74	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
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	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
77	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
78	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
79	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
80	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
81	Local administration of icariin contributes to peripheral nerve regeneration and functional recovery. <i>Neural Regeneration Research</i> , 2015, 10, 84.	1.6	17
82	One-stage human acellular nerve allograft reconstruction for digital nerve defects. <i>Neural Regeneration Research</i> , 2015, 10, 95.	1.6	8
83	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
84	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
85	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
86	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
87	Comparison of commonly used retrograde tracers in rat spinal motor neurons. <i>Neural Regeneration Research</i> , 2015, 10, 1700.	1.6	8
88	A novel specialized staging system for cancellous fracture healing, distinct from traditional healing pattern of diaphysis corticalfracture?. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1301-4.	1.3	9
89	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
90	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

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91	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
92	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
93	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
94	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
95	Healing of cancellous fracture in a novel mouse model. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2279-90.	0.0	5
96	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
97	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
98	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
99	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
100	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
101	Biodegradable Conduit Small Gap Tubulization for Peripheral Nerve Mutilation: A Substitute for Traditional Epineurial Neuroorrhaphy. <i>International Journal of Medical Sciences</i> , 2013, 10, 171-175.	1.1	39
102	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
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	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
105	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
106	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
107	Advances in Small Gap Sleeve Bridging Peripheral Nerve Injury. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2010, 38, 1-4.	0.9	31
108	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

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109	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
110	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
111	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
112	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
113	Study on Small Gap Sleeve Bridging Peripheral Nerve Injury. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2006, 34, 55-74.	0.9	35
114	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
115	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
116	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