

# Jian-Wu Dai

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186  
papers

6,414  
citations

48  
h-index

69  
g-index

207  
ext. papers

7,970  
ext. citations

7.9  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
186	Defective autophagy contributes to endometrial epithelial-mesenchymal transition in intrauterine adhesions.. <i>Autophagy</i> , <b>2022</b> , 1-16	10.2	0
185	Advances in Biomaterial-Based Spinal Cord Injury Repair (Adv. Funct. Mater. 13/2022). <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2270081	15.6	
184	Direct neuronal differentiation of neural stem cells for spinal cord injury repair. <i>Stem Cells</i> , <b>2021</b> , 39, 1025-1032	5.8	10
183	A DAMP-scavenging, IL-10-releasing hydrogel promotes neural regeneration and motor function recovery after spinal cord injury. <i>Biomaterials</i> , <b>2021</b> , 280, 121279	15.6	9
182	Adhesive, Stretchable, and Spatiotemporal Delivery Fibrous Hydrogels Harness Endogenous Neural Stem/Progenitor Cells for Spinal Cord Injury Repair. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
181	Urethral Tissue Reconstruction Using the Acellular Dermal Matrix Patch Modified with Collagen-Binding VEGF in Beagle Urethral Injury Models. <i>BioMed Research International</i> , <b>2021</b> , 2021, 5502740	2.740	0
180	Single-cell analysis reveals dynamic changes of neural cells in developing human spinal cord. <i>EMBO Reports</i> , <b>2021</b> , 22, e52728	6.5	2
179	Dual-Cues Laden Scaffold Facilitates Neurovascular Regeneration and Motor Functional Recovery After Complete Spinal Cord Injury. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100089	10.1	3
178	Lineage tracing reveals the origin of Nestin-positive cells are heterogeneous and rarely from ependymal cells after spinal cord injury. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	4
177	Upregulation of Apol8 by Epothilone D facilitates the neuronal relay of transplanted NSCs in spinal cord injury. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 300	8.3	3
176	The Rotary Cell Culture System increases NTRK3 expression and promotes neuronal differentiation and migratory ability of neural stem cells cultured on collagen sponge. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 298	8.3	4
175	3D bioprinted neural tissue constructs for spinal cord injury repair. <i>Biomaterials</i> , <b>2021</b> , 272, 120771	15.6	28
174	Single-cell RNA sequencing reveals Nestin active neural stem cells outside the central canal after spinal cord injury. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	5
173	circPTPN12/miR-21-5 p/Nrp63 pathway contributes to human endometrial fibrosis. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
172	High strength pure chitosan hydrogels via double crosslinking strategy. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16,	3.5	1
171	Injectable collagen scaffold promotes swine myocardial infarction recovery by long-term local retention of transplanted human umbilical cord mesenchymal stem cells. <i>Science China Life Sciences</i> , <b>2021</b> , 64, 269-281	8.5	8
170	Small molecules combined with collagen hydrogel direct neurogenesis and migration of neural stem cells after spinal cord injury. <i>Biomaterials</i> , <b>2021</b> , 269, 120479	15.6	16

169	Spatiotemporal dynamic changes, proliferation, and differentiation characteristics of Sox9-positive cells after severe complete transection spinal cord injury. <i>Experimental Neurology</i> , <b>2021</b> , 337, 113556	5.7	2
168	Binary scaffold facilitates in situ regeneration of axons and neurons for complete spinal cord injury repair. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2955-2971	7.4	2
167	Scar tissue removal-activated endogenous neural stem cells aid Taxol-modified collagen scaffolds in repairing chronic long-distance transected spinal cord injury. <i>Biomaterials Science</i> , <b>2021</b> , 9, 4778-4792	7.4	4
166	NSCs Migration Promoted and Drug Delivered Exosomes-Collagen Scaffold via a Bio-Specific Peptide for One-Step Spinal Cord Injury Repair. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001896	10.1	15
165	Long-term clinical observation of patients with acute and chronic complete spinal cord injury after transplantation of NeuroRegen scaffold. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	6
164	Contralateral Axon Sprouting but Not Ipsilateral Regeneration Is Responsible for Spontaneous Locomotor Recovery Post Spinal Cord Hemisection. <i>Frontiers in Cellular Neuroscience</i> , <b>2021</b> , 15, 730348	6.1	0
163	Long-term stability, high strength, and 3D printable alginate hydrogel for cartilage tissue engineering application. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16,	3.5	6
162	The Extracellular Matrix Enriched With Exosomes for the Treatment on Pulmonary Fibrosis in Mice.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 747223	5.6	0
161	Allotransplantation of adult spinal cord tissues after complete transected spinal cord injury: Long-term survival and functional recovery in canines. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1879-1886	8.5	5
160	βp63-induced DUSP4/GSK3β/SNAI1 pathway in epithelial cells drives endometrial fibrosis. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 449	9.8	9
159	A functional scaffold to promote the migration and neuronal differentiation of neural stem/progenitor cells for spinal cord injury repair. <i>Biomaterials</i> , <b>2020</b> , 243, 119941	15.6	34
158	Scaffolds for spinal cord injury repair: from proof of concept to first in-human studies and clinical trials <b>2020</b> , 603-619		2
157	Recent developments in regenerative ophthalmology. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1450-1490	8.5	3
156	A novel hydrogel-based treatment for complete transection spinal cord injury repair is driven by microglia/macrophages repopulation. <i>Biomaterials</i> , <b>2020</b> , 237, 119830	15.6	30
155	Biomimetic collagen biomaterial induces in situ lung regeneration by forming functional alveolar. <i>Biomaterials</i> , <b>2020</b> , 236, 119825	15.6	10
154	Acceleration of chondrogenic differentiation of human mesenchymal stem cells by sustained growth factor release in 3D graphene oxide incorporated hydrogels. <i>Acta Biomaterialia</i> , <b>2020</b> , 105, 44-55	10.8	32
153	Mesenchymal stem cell-derived extracellular matrix (mECM): a bioactive and versatile scaffold for musculoskeletal tissue engineering. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 16, 012002	3.5	0
152	Collagen particles with collagen-binding bone morphogenetic protein-2 promote vertebral laminar regeneration in infant rabbits. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 055008	3.5	4

151	Single cell derived spheres of umbilical cord mesenchymal stem cells enhance cell stemness properties, survival ability and therapeutic potential on liver failure. <i>Biomaterials</i> , <b>2020</b> , 227, 119573	15.6	18
150	Comparison of Regenerative Effects of Transplanting Three-Dimensional Longitudinal Scaffold Loaded-Human Mesenchymal Stem Cells and Human Neural Stem Cells on Spinal Cord Completely Transected Rats. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 1671-1680	5.5	15
149	NeuroRegen Scaffolds Combined with Autologous Bone Marrow Mononuclear Cells for the Repair of Acute Complete Spinal Cord Injury: A 3-Year Clinical Study. <i>Cell Transplantation</i> , <b>2020</b> , 29, 9636897209450637 <sup>12</sup>	4.5	12
148	Effect of Intramyocardial Grafting Collagen Scaffold With Mesenchymal Stromal Cells in Patients With Chronic Ischemic Heart Disease: A Randomized Clinical Trial. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2016236	10.4	19
147	Aligned collagen scaffold combination with human spinal cord-derived neural stem cells to improve spinal cord injury repair. <i>Biomaterials Science</i> , <b>2020</b> , 8, 5145-5156	7.4	21
146	Epidermal growth factor receptor-extracellular-regulated kinase blockade upregulates TRIM32 signaling cascade and promotes neurogenesis after spinal cord injury. <i>Stem Cells</i> , <b>2020</b> , 38, 118-133	5.8	10
145	Collagen-binding basic fibroblast growth factor improves functional remodeling of scarred endometrium in uterine infertile women: a pilot study. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 1617-1629	8.5	18
144	Different functional bio-scaffolds share similar neurological mechanism to promote locomotor recovery of canines with complete spinal cord injury. <i>Biomaterials</i> , <b>2019</b> , 214, 119230	15.6	20
143	Leukemia inhibitory factor promotes the regeneration of rat uterine horns with full-thickness injury. <i>Wound Repair and Regeneration</i> , <b>2019</b> , 27, 477-487	3.6	6
142	Transplantation of adult spinal cord grafts into spinal cord transected rats improves their locomotor function. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 725-733	8.5	11
141	Aligned Scaffolds with Biomolecular Gradients for Regenerative Medicine. <i>Polymers</i> , <b>2019</b> , 11,	4.5	13
140	Pre-Clinical Evaluation of CBD-NT3 Modified Collagen Scaffolds in Completely Spinal Cord Transected Non-Human Primates. <i>Journal of Neurotrauma</i> , <b>2019</b> , 36, 2316-2324	5.4	11
139	Myocardial-Infarction-Responsive Smart Hydrogels Targeting Matrix Metalloproteinase for On-Demand Growth Factor Delivery. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902900	24	67
138	Repair of lumbar vertebral bone defects by bone particles combined with hUC-MSCs in weaned rabbit. <i>Regenerative Medicine</i> , <b>2019</b> , 14, 915-923	2.5	7
137	Biocompatible Injectable Magnetic Hydrogel Formed by Dynamic Coordination Network. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46233-46240	9.5	29
136	Rapid and Efficient Conversion of Human Fibroblasts into Functional Neurons by Small Molecules. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 862-876	8	18
135	Heparan sulfate proteoglycan promotes fibroblast growth factor-2 function for ischemic heart repair. <i>Biomaterials Science</i> , <b>2019</b> , 7, 5438-5450	7.4	14
134	LncRNA Neat1 mediates miR-124-induced activation of Wnt/ $\beta$ -catenin signaling in spinal cord neural progenitor cells. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 400	8.3	26

133	Biom mineralization improves the thermostability of foot-and-mouth disease virus-like particles and the protective immune response induced. <i>Nanoscale</i> , <b>2019</b> , 11, 22748-22761	7.7	11
132	Vascular endothelial growth factor activates neural stem cells through epidermal growth factor receptor signal after spinal cord injury. <i>CNS Neuroscience and Therapeutics</i> , <b>2019</b> , 25, 375-385	6.8	13
131	Scaffold-facilitated locomotor improvement post complete spinal cord injury: Motor axon regeneration versus endogenous neuronal relay formation. <i>Biomaterials</i> , <b>2019</b> , 197, 20-31	15.6	53
130	Taxol-modified collagen scaffold implantation promotes functional recovery after long-distance spinal cord complete transection in canines. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1099-1108	7.4	25
129	Functional collagen conduits combined with human mesenchymal stem cells promote regeneration after sciatic nerve transection in dogs. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1285-1296	4.4	25
128	Lower fluidity of supported lipid bilayers promotes neuronal differentiation of neural stem cells by enhancing focal adhesion formation. <i>Biomaterials</i> , <b>2018</b> , 161, 106-116	15.6	10
127	Controlled release of collagen-binding SDF-1 $\beta$ from the collagen scaffold promoted tendon regeneration in a rat Achilles tendon defect model. <i>Biomaterials</i> , <b>2018</b> , 162, 22-33	15.6	39
126	Moldable Hyaluronan Hydrogel Enabled by Dynamic Metal-Bisphosphonate Coordination Chemistry for Wound Healing. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, 1700973	10.1	66
125	Bridging the gap with functional collagen scaffolds: tuning endogenous neural stem cells for severe spinal cord injury repair. <i>Biomaterials Science</i> , <b>2018</b> , 6, 265-271	7.4	41
124	Transplantation of UC-MSCs on collagen scaffold activates follicles in dormant ovaries of POF patients with long history of infertility. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 1554-1565	8.5	55
123	Promotion of neurological recovery in rat spinal cord injury by mesenchymal stem cells loaded on nerve-guided collagen scaffold through increasing alternatively activated macrophage polarization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e1725-e1736	4.4	25
122	Collagen scaffold combined with human umbilical cord-derived mesenchymal stem cells promote functional recovery after scar resection in rats with chronic spinal cord injury. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e1154-e1163	4.4	39
121	Human placenta-derived mesenchymal stem cells loaded on linear ordered collagen scaffold improves functional recovery after completely transected spinal cord injury in canine. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 2-13	8.5	39
120	Complete canine spinal cord transection model: a large animal model for the translational research of spinal cord regeneration. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 115-117	8.5	16
119	Effect of longitudinally oriented collagen conduit combined with nerve growth factor on nerve regeneration after dog sciatic nerve injury. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2131-2139	3.5	27
118	Allogeneic cell therapy using umbilical cord MSCs on collagen scaffolds for patients with recurrent uterine adhesion: a phase I clinical trial. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 192	8.3	94
117	Reflection and observation: cell-based screening failing to detect HBV in HUMSCs derived from HBV-infected mothers underscores the importance of more stringent donor eligibility to reduce risk of transmission of infectious diseases for stem cell-based medical products. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 177	8.3	5
116	A collagen microchannel scaffold carrying paclitaxel-liposomes induces neuronal differentiation of neural stem cells through Wnt/ $\beta$ catenin signaling for spinal cord injury repair. <i>Biomaterials</i> , <b>2018</b> , 183, 114-127	15.6	77

115	Significant Improvement of Acute Complete Spinal Cord Injury Patients Diagnosed by a Combined Criteria Implanted with NeuroRegen Scaffolds and Mesenchymal Stem Cells. <i>Cell Transplantation</i> , <b>2018</b> , 27, 907-915	4	58
114	Effects of three-dimensional collagen scaffolds on the expression profiles and biological functions of glioma cells. <i>International Journal of Oncology</i> , <b>2018</b> , 52, 1787-1800	4-4	17
113	Graphene Oxide Incorporated PLGA Nanofibrous Scaffold for Solid Phase Gene Delivery into Mesenchymal Stem Cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2286-2293	1-3	24
112	Functional Multichannel Poly(Propylene Fumarate)-Collagen Scaffold with Collagen-Binding Neurotrophic Factor 3 Promotes Neural Regeneration After Transected Spinal Cord Injury. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800315	10-1	46
111	Increased vascularization promotes functional recovery in the transected spinal cord rats by implanted vascular endothelial growth factor-targeting collagen scaffold. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 1024-1034	3-8	14
110	Collagen-binding VEGF targeting the cardiac extracellular matrix promotes recovery in porcine chronic myocardial infarction. <i>Biomaterials Science</i> , <b>2018</b> , 6, 356-363	7-4	10
109	Collagen scaffolds tethered with bFGF promote corpus spongiosum regeneration in a beagle model. <i>Biomedical Materials (Bristol)</i> , <b>2018</b> , 13, 031001	3-5	3
108	Single ultrasmall Mn <sup>2+</sup> -doped NaNdF <sub>4</sub> nanocrystals as multimodal nanoprobe for magnetic resonance and second near-infrared fluorescence imaging. <i>Nano Research</i> , <b>2018</b> , 11, 1069-1081	10	36
107	Substrate-independent immunomodulatory characteristics of mesenchymal stem cells in three-dimensional culture. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206811	3-7	13
106	Lung endothelial cell-targeted peptide-guided bFGF promotes the regeneration after radiation induced lung injury. <i>Biomaterials</i> , <b>2018</b> , 184, 10-19	15-6	18
105	Collagen/Heparin Bi-Affinity Multilayer Modified Collagen Scaffolds for Controlled bFGF Release to Improve Angiogenesis In Vivo. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, e1800086	5-5	14
104	Restoration of mandibular bone defects with demineralized bone matrix combined with three-dimensional cultured bone marrow-derived mesenchymal stem cells in minipig models. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 147	4-5	7
103	Therapeutic Effects of Human Umbilical Cord-Derived Mesenchymal Stem Cells on Canine Radiation-Induced Lung Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 102, 407-416	4	12
102	Comparison of subacute and chronic scar tissues after complete spinal cord transection. <i>Experimental Neurology</i> , <b>2018</b> , 306, 132-137	5-7	14
101	Cetuximab and Taxol co-modified collagen scaffolds show combination effects for the repair of acute spinal cord injury. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1723-1734	7-4	28
100	Three-dimensional hepatocyte culture system for the study of <i>Echinococcus multilocularis</i> larval development. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006309	4-8	6
99	Transdermal Vascular Endothelial Growth Factor Delivery with Surface Engineered Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5173-5180	9-5	29
98	A modified collagen scaffold facilitates endogenous neurogenesis for acute spinal cord injury repair. <i>Acta Biomaterialia</i> , <b>2017</b> , 51, 304-316	10-8	80

97	A Dual Functional Scaffold Tethered with EGFR Antibody Promotes Neural Stem Cell Retention and Neuronal Differentiation for Spinal Cord Injury Repair. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601279	10.1	30
96	Transplantation of hUC-MSCs seeded collagen scaffolds reduces scar formation and promotes functional recovery in canines with chronic spinal cord injury. <i>Scientific Reports</i> , <b>2017</b> , 7, 43559	4.9	49
95	Collagen scaffold microenvironments modulate cell lineage commitment for differentiation of bone marrow cells into regulatory dendritic cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 42049	4.9	7
94	Umbilical cord-derived mesenchymal stem cells on scaffolds facilitate collagen degradation via upregulation of MMP-9 in rat uterine scars. <i>Stem Cell Research and Therapy</i> , <b>2017</b> , 8, 84	8.3	54
93	Clinical Study of NeuroRegen Scaffold Combined With Human Mesenchymal Stem Cells for the Repair of Chronic Complete Spinal Cord Injury. <i>Cell Transplantation</i> , <b>2017</b> , 26, 891-900	4	76
92	Cetuximab modified collagen scaffold directs neurogenesis of injury-activated endogenous neural stem cells for acute spinal cord injury repair. <i>Biomaterials</i> , <b>2017</b> , 137, 73-86	15.6	77
91	The neuronal differentiation microenvironment is essential for spinal cord injury repair. <i>Organogenesis</i> , <b>2017</b> , 13, 63-70	1.7	21
90	Transplantation of collagen scaffold with autologous bone marrow mononuclear cells promotes functional endometrium reconstruction via downregulating Np63 expression in Asherman's syndrome. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 404-416	8.5	46
89	An effective delivery vehicle of demineralized bone matrix incorporated with engineered collagen-binding human bone morphogenetic protein-2 to accelerate spinal fusion at low dose. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 29, 2	4.5	9
88	Systematic Analysis of mRNA and miRNA Expression of 3D-Cultured Neural Stem Cells (NSCs) in Spaceflight. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 434	6.1	5
87	Functional biomaterial-based regenerative microenvironment for spinal cord injury repair. <i>National Science Review</i> , <b>2017</b> , 4, 530-532	10.8	7
86	MicroRNA-449c-5p inhibits osteogenic differentiation of human VICs through Smad4-mediated pathway. <i>Scientific Reports</i> , <b>2017</b> , 7, 8740	4.9	25
85	Acceleration of Healing of Traumatic Tympanic Membrane Perforation in Rats by Implanted Collagen Membrane Integrated with Collagen-Binding Basic Fibroblast Growth Factor. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 20-29	3.9	11
84	Bladder regeneration in a canine model using a bladder acellular matrix loaded with a collagen-binding bFGF. <i>Biomaterials Science</i> , <b>2017</b> , 5, 2427-2436	7.4	15
83	Single step synthesis of amine-functionalized mesoporous magnetite nanoparticles and their application for copper ions removal from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 481, 220-8	9.3	16
82	Radially Aligned Electrospun Fibers with Continuous Gradient of SDF1 $\beta$ for the Guidance of Neural Stem Cells. <i>Small</i> , <b>2016</b> , 12, 5009-5018	11	58
81	Three dimensional collagen scaffolds promote iPSC induction with higher pluripotency. <i>Protein and Cell</i> , <b>2016</b> , 7, 844-848	7.2	2
80	Magnetic Resonance Imaging Revealed Splenic Targeting of Canine Parvovirus Capsid Protein VP2. <i>Scientific Reports</i> , <b>2016</b> , 6, 23392	4.9	7

79	Controlled Release of Collagen-Binding SDF-1 $\beta$ Improves Cardiac Function after Myocardial Infarction by Recruiting Endogenous Stem Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 26683	4.9	29
78	BMSCs-laden gelatin/sodium alginate/carboxymethyl chitosan hydrogel for 3D bioprinting. <i>RSC Advances</i> , <b>2016</b> , 6, 108423-108430	3.7	69
77	Neural Stem Cells: Radially Aligned Electrospun Fibers with Continuous Gradient of SDF1 $\beta$ for the Guidance of Neural Stem Cells (Small 36/2016). <i>Small</i> , <b>2016</b> , 12, 5008-5008	11	1
76	Collagen-binding vascular endothelial growth factor attenuates CCL4-induced liver fibrosis in mice. <i>Molecular Medicine Reports</i> , <b>2016</b> , 14, 4680-4686	2.9	9
75	A collagen-binding EGFR antibody fragment targeting tumors with a collagen-rich extracellular matrix. <i>Scientific Reports</i> , <b>2016</b> , 6, 18205	4.9	22
74	Microgravity may help future organ/tissue manufacture. <i>Science China Life Sciences</i> , <b>2016</b> , 59, 850-3	8.5	4
73	Facile-synthesized ultrasmall CuS nanocrystals as drug nanocarriers for highly effective chemophotothermal combination therapy of cancer. <i>RSC Advances</i> , <b>2016</b> , 6, 20949-20960	3.7	15
72	Transplantation of adipose-derived stem cells combined with collagen scaffolds restores ovarian function in a rat model of premature ovarian insufficiency. <i>Human Reproduction</i> , <b>2016</b> , 31, 1075-86	5.7	63
71	Functionalized collagen scaffold implantation and cAMP administration collectively facilitate spinal cord regeneration. <i>Acta Biomaterialia</i> , <b>2016</b> , 30, 233-245	10.8	46
70	A three-dimensional collagen scaffold cell culture system for screening anti-glioma therapeutics. <i>Oncotarget</i> , <b>2016</b> , 7, 56904-56914	3.3	43
69	Training Neural Stem Cells on Functional Collagen Scaffolds for Severe Spinal Cord Injury Repair. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5835-5847	15.6	43
68	Bone marrow-derived mesenchymal stem cells in three-dimensional culture promote neuronal regeneration by neurotrophic protection and immunomodulation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 1759-69	5.4	23
67	One-year clinical study of NeuroRegen scaffold implantation following scar resection in complete chronic spinal cord injury patients. <i>Science China Life Sciences</i> , <b>2016</b> , 59, 647-55	8.5	59
66	The miR-20-Rest-Wnt signaling axis regulates neural progenitor cell differentiation. <i>Scientific Reports</i> , <b>2016</b> , 6, 23300	4.9	18
65	Demineralized Bone Matrix Scaffolds Modified by CBD-SDF-1 $\beta$ Promote Bone Regeneration via Recruiting Endogenous Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27511-27522	9.5	38
64	The Promotion of Neural Regeneration in A Rat Facial Nerve Crush Injury Model Using Collagen-Binding NT-3. <i>Annals of Clinical and Laboratory Science</i> , <b>2016</b> , 46, 578-585	0.9	5
63	The linear-ordered collagen scaffold-BDNF complex significantly promotes functional recovery after completely transected spinal cord injury in canine. <i>Biomaterials</i> , <b>2015</b> , 41, 89-96	15.6	99
62	Enhanced proliferation and osteogenic differentiation of mesenchymal stem cells on graphene oxide-incorporated electrospun poly(lactic-co-glycolic acid) nanofibrous mats. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6331-9	9.5	246



61	Directed osteogenic differentiation of mesenchymal stem cell in three-dimensional biodegradable methylcellulose-based scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 332-338	6	13
60	Urethral tissue regeneration using collagen scaffold modified with collagen binding VEGF in a beagle model. <i>Biomaterials</i> , <b>2015</b> , 69, 45-55	15.6	47
59	Modified VEGF targets the ischemic myocardium and promotes functional recovery after myocardial infarction. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, 27-35	11.7	31
58	A collagen-binding EGFR single-chain Fv antibody fragment for the targeted cancer therapy. <i>Journal of Controlled Release</i> , <b>2015</b> , 209, 101-9	11.7	34
57	Collagen scaffolds combined with collagen-binding ciliary neurotrophic factor facilitate facial nerve repair in mini-pigs. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 1669-76	5.4	20
56	Paracrine factors from mesenchymal stem cells attenuate epithelial injury and lung fibrosis. <i>Molecular Medicine Reports</i> , <b>2015</b> , 11, 2831-7	2.9	50
55	Electrospun Collagen Fibers with Spatial Patterning of SDF1 $\beta$ for the Guidance of Neural Stem Cells. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1869-76	10.1	35
54	Functionalized Collagen Scaffold Neutralizing the Myelin-Inhibitory Molecules Promoted Neurites Outgrowth in Vitro and Facilitated Spinal Cord Regeneration in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13960-71	9.5	56
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