

Hui-Qi Xie

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,015
citations

218677

26
h-index

265206

42
g-index

82
all docs

82
docs citations

82
times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Copper in Angiogenesis and Its Medicinal Implications. <i>Current Medicinal Chemistry</i> , 2009, 16, 1304-1314.	2.4	156
2	A multi-step method for preparation of porcine small intestinal submucosa (SIS). <i>Biomaterials</i> , 2011, 32, 706-713.	11.4	121
3	Mesenchymal Stem Cells for Chronic Wound Healing: Current Status of Preclinical and Clinical Studies. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 555-570.	4.8	115
4	Multi-crosslinking hydrogels with robust bio-adhesion and pro-coagulant activity for first-aid hemostasis and infected wound healing. <i>Bioactive Materials</i> , 2022, 16, 388-402.	15.6	95
5	Isolation of Mesenchymal Stem Cells from Human Placental Decidua Basalis and Resistance to Hypoxia and Serum Deprivation. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 247-255.	5.6	78
6	Grafts of Porcine Small Intestinal Submucosa with Cultured Autologous Oral Mucosal Epithelial Cells for Esophageal Repair in a Canine Model. <i>Experimental Biology and Medicine</i> , 2009, 234, 453-461.	2.4	66
7	Tissue engineered esophagus by mesenchymal stem cell seeding for esophageal repair in a canine model. <i>Journal of Surgical Research</i> , 2013, 182, 40-48.	1.6	64
8	Small intestinal submucosa: superiority, limitations and solutions, and its potential to address bottlenecks in tissue repair. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5038-5055.	5.8	64
9	Applications of decellularized materials in tissue engineering: advantages, drawbacks and current improvements, and future perspectives. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10023-10049.	5.8	63
10	Copper stimulates growth of human umbilical vein endothelial cells in a vascular endothelial growth factor-independent pathway. <i>Experimental Biology and Medicine</i> , 2012, 237, 77-82.	2.4	61
11	Mesenchymal Stem/Progenitor Cells Derived from Articular Cartilage, Synovial Membrane and Synovial Fluid for Cartilage Regeneration: Current Status and Future Perspectives. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 575-586.	5.6	61
12	Hydrogel derived from decellularized porcine adipose tissue as a promising biomaterial for soft tissue augmentation. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1756-1764.	4.0	50
13	Composite elastomeric polyurethane scaffolds incorporating small intestinal submucosa for soft tissue engineering. <i>Acta Biomaterialia</i> , 2017, 59, 45-57.	8.3	47
14	Exosomes Derived From Human Urine—Derived Stem Cells Overexpressing miR-140-5p Alleviate Knee Osteoarthritis Through Downregulation of VEGFA in a Rat Model. <i>American Journal of Sports Medicine</i> , 2022, 50, 1088-1105.	4.2	46
15	The performance of a bone-derived scaffold material in the repair of critical bone defects in a rhesus monkey model. <i>Biomaterials</i> , 2007, 28, 3314-3324.	11.4	42
16	Progress in development of bioderived materials for dermal wound healing. <i>International Journal of Energy Production and Management</i> , 2017, 4, 325-334.	3.7	42
17	Celecoxib and octreotide synergistically ameliorate portal hypertension via inhibition of angiogenesis in cirrhotic rats. <i>Angiogenesis</i> , 2016, 19, 501-511.	7.2	41
18	Tissue engineered esophagus scaffold constructed with porcine small intestinal submucosa and synthetic polymers. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 015012.	3.3	40

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19	Hypoxic preconditioning of human urine-derived stem cell-laden small intestinal submucosa enhances wound healing potential. <i>Stem Cell Research and Therapy</i> , 2020, 11, 150.	5.5	39
20	Stem cell-based therapy for ameliorating intrauterine adhesion and endometrium injury. <i>Stem Cell Research and Therapy</i> , 2021, 12, 556.	5.5	39
21	More pain and slower functional recovery when a tourniquet is used during total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1842-1860.	4.2	36
22	Nanostructured titanium surfaces fabricated by hydrothermal method: Influence of alkali conditions on the osteogenic performance of implants. <i>Materials Science and Engineering C</i> , 2019, 94, 1-10.	7.3	34
23	Identification and characterization of two morphologically distinct stem cell subpopulations from human urine samples. <i>Science China Life Sciences</i> , 2020, 63, 712-723.	4.9	30
24	Efficacy and safety of small intestinal submucosa in dural defect repair in a canine model. <i>Materials Science and Engineering C</i> , 2017, 73, 267-274.	7.3	29
25	Membranous Extracellular Matrix-Based Scaffolds for Skin Wound Healing. <i>Pharmaceutics</i> , 2021, 13, 1796.	4.5	29
26	Placenta-derived versus bone marrow-derived mesenchymal cells for the repair of segmental bone defects in a rabbit model. <i>FEBS Journal</i> , 2012, 279, 2455-2465.	4.7	28
27	Mesenchymal stem cell-based therapy for burn wound healing. <i>Burns and Trauma</i> , 2021, 9, t1ab002.	4.9	28
28	Accelerating effects of genipin-crosslinked small intestinal submucosa for defected gastric mucosa repair. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7059-7071.	5.8	27
29	Hydrogel from Acellular Porcine Adipose Tissue Accelerates Wound Healing by Inducing Intradermal Adipocyte Regeneration. <i>Journal of Investigative Dermatology</i> , 2019, 139, 455-463.	0.7	27
30	Decellularized scaffold and its elicited immune response towards the host: the underlying mechanism and means of immunomodulatory modification. <i>Biomaterials Science</i> , 2021, 9, 4803-4820.	5.4	26
31	Procyanidins-crosslinked small intestine submucosa: A bladder patch promotes smooth muscle regeneration and bladder function restoration in a rabbit model. <i>Bioactive Materials</i> , 2021, 6, 1827-1838.	15.6	26
32	Tissue engineered esophagus by copper-crosslinked small intestinal submucosa graft for esophageal repair in a canine model. <i>Science China Life Sciences</i> , 2014, 57, 248-255.	4.9	25
33	Minimally invasive transforaminal lumbar interbody fusion versus oblique lateral interbody fusion for lumbar degenerative disease: a meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 802.	1.9	25
34	Organic composite-mediated surface coating of human acellular bone matrix with strontium. <i>Materials Science and Engineering C</i> , 2018, 84, 12-20.	7.3	22
35	Copper promotes the migration of bone marrow mesenchymal stem cells via Rnd3-dependent cytoskeleton remodeling. <i>Journal of Cellular Physiology</i> , 2020, 235, 221-231.	4.1	20
36	A comprehensive comparison between cementless and cemented fixation in the total knee arthroplasty: an updated systematic review and meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 176.	2.3	20

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37	Comparison of small intestinal submucosa and polypropylene mesh for abdominal wall defect repair. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 663-682.	3.5	18
38	Epigallocatechin-3-gallate Cross-Linked Small Intestinal Submucosa for Guided Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5024-5035.	5.2	18
39	Accelerating ESD-induced gastric ulcer healing using a pH-responsive polyurethane/small intestinal submucosa hydrogel delivered by endoscopic catheter. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa056.	3.7	16
40	Adult Stem Cell Therapy for Premature Ovarian Failure: From Bench to Bedside. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 63-78.	4.8	15
41	Current therapeutic strategies for respiratory diseases using mesenchymal stem cells. <i>MedComm</i> , 2021, 2, 351-380.	7.2	15
42	Acetabular Anatomical Parameters in Patients With Idiopathic Osteonecrosis of the Femoral Head. <i>Journal of Arthroplasty</i> , 2020, 35, 331-334.	3.1	14
43	Metal-phenolic networks modified polyurethane as periosteum for bone regeneration. <i>Chinese Chemical Letters</i> , 2022, 33, 1623-1626.	9.0	13
44	Techniques for increasing the yield of stem cell-derived exosomes: what factors may be involved?. <i>Science China Life Sciences</i> , 2022, 65, 1325-1341.	4.9	13
45	Urine-derived stem cells: applications in skin, bone and articular cartilage repair. <i>Burns and Trauma</i> , 2021, 9, tkab039.	4.9	12
46	Tissue-engineered ribs for chest wall reconstruction: a case with 12-year follow-up. <i>Regenerative Medicine</i> , 2014, 9, 431-436.	1.7	11
47	Urine-Derived Stem Cells for Regenerative Medicine: Basic Biology, Applications, and Challenges. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 978-994.	4.8	9
48	Altered gene expression profile in a rat model of gentamicin-induced ototoxicity and nephrotoxicity, and the potential role of upregulated Ifi44 expression. <i>Molecular Medicine Reports</i> , 2017, 16, 4650-4658.	2.4	8
49	Strontium Promotes the Proliferation and Osteogenic Differentiation of Human Placental Decidual Basalis- and Bone Marrow-Derived MSCs in a Dose-Dependent Manner. <i>Stem Cells International</i> , 2019, 2019, 1-11.	2.5	8
50	Scaffolds in Bone Tissue Engineering: Research Progress and Current Applications. , 2020, , 204-215.		8
51	Fabrication and characterization of a pro-angiogenic hydrogel derived from the human placenta. <i>Biomaterials Science</i> , 2022, 10, 2062-2075.	5.4	8
52	Human adipose-derived stem cell-loaded small intestinal submucosa as a bioactive wound dressing for the treatment of diabetic wounds in rats. , 2022, 136, 212793.		8
53	Application of antibody-conjugated small intestine submucosa to capture urine-derived stem cells for bladder repair in a rabbit model. <i>Bioactive Materials</i> , 2022, 14, 443-455.	15.6	7
54	Promotion of right ventricular outflow tract reconstruction using a novel cardiac patch incorporated with hypoxia-pretreated urine-derived stem cells. <i>Bioactive Materials</i> , 2022, 14, 206-218.	15.6	6

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55	A Novel Drill Navigation Template Combines Preoperative Simulation in Expansive Open-Door Laminoplasty. <i>World Neurosurgery</i> , 2018, 118, e758-e765.	1.3	5
56	Collagen Hydrogel Functionalized with Collagen-Targeting IFNA2b Shows Apoptotic Activity in Nude Mice with Xenografted Tumors. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 272-282.	5.2	5
57	Hydrogel from acellular porcine adipose tissue promotes survival of adipose tissue transplantation. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045015.	3.3	5
58	Extracellular matrix stiffness controls VEGF165 secretion and neuroblastoma angiogenesis via the YAP/RUNX2/SRSF1 axis. <i>Angiogenesis</i> , 2022, 25, 13-14.	7.2	5
59	Scarless vocal fold regeneration by urine-derived stem cells and small intestinal submucosa hydrogel composites through enhancement of M2 macrophage Polarization, neovascularization and Re-epithelialization. <i>Smart Materials in Medicine</i> , 2022, 3, 339-351.	6.7	5
60	Intra-articular injection of stromal vascular fraction for knee degenerative joint disease: a concise review of preclinical and clinical evidence. <i>Science China Life Sciences</i> , 2022, 65, 1959-1970.	4.9	4
61	Biomechanical Analysis of Bilateral Facet Joint Stabilization Using Bioderived Tendon for Posterior Cervical Spine Motion Reservation in Goats. <i>World Neurosurgery</i> , 2017, 107, 268-275.	1.3	3
62	Hypotensive Anesthesia Combined with Tranexamic Acid Reduces Perioperative Blood Loss in Simultaneous Bilateral Total Hip Arthroplasty: A Retrospective Cohort Study. <i>Orthopaedic Surgery</i> , 2022, 14, 555-565.	1.8	3
63	A Stable Large Animal Model for Dural Defect Repair with Biomaterials and Regenerative Medicine. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 315-323.	2.1	2
64	Characteristics of Cervical Sagittal Alignment at Different C0â€“C2 Correcting Angles in Fusion Treatment of Atlantoaxial Dislocations. <i>World Neurosurgery</i> , 2019, 124, e119-e124.	1.3	1
65	The Challenges and Development Directions of Decellularized Materials. , 2021, , 489-515.		0
66	Recellularization of Decellularized Whole Organ Scaffolds: Elements, Progresses, and Challenges. , 2021, , 313-413.		0