Huanhuan Liu

List of Publications by Year
in descending order

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33 papers	1,739 citations	361045 20 h-index	395343 33 g-index
33 all docs	33 docs citations	33 times ranked	2993 citing authors

#	Article	IF	Citations
1	The promotion of bone regeneration by nanofibrous hydroxyapatite/chitosan scaffolds by effects on integrin-BMP/Smad signaling pathway in BMSCs. Biomaterials, 2013, 34, 4404-4417.	5.7	290
2	Nanofiber-hydrogel compositeâ€“mediated angiogenesis for soft tissue reconstruction. Science Translational Medicine, 2019, 11, .	5.8	171
3	Well-aligned chitosan-based ultrafine fibers committed teno-lineage differentiation of human induced pluripotent stem cells for Achilles tendon regeneration. Biomaterials, 2015, 53, 716-730.	5.7	154
4	Mohawk Promotes the Tenogenesis of Mesenchymal Stem Cells Through Activation of the TGFÎ² Signaling Pathway. Stem Cells, 2015, 33, 443-455.	1.4	136
5	Electrospun scaffolds for multiple tissues regeneration inÂvivo through topography dependent induction of lineage specific differentiation. Biomaterials, 2015, 44, 173-185.	5.7	129
6	Allogenous Tendon Stem/Progenitor Cells in Silk Scaffold for Functional Shoulder Repair. Cell Transplantation, 2012, 21, 943-958.	1.2	119
7	Crucial transcription factors in tendon development and differentiation: their potential for tendon regeneration. Cell and Tissue Research, 2014, 356, 287-298.	1.5	79
8	Biomimetic tendon extracellular matrix composite gradient scaffold enhances ligament-to-bone junction reconstruction. Acta Biomaterialia, 2017, 56, 129-140.	4.1	60
9	Oxygen vacancy engineered unsaturated coordination in cobalt carbonate hydroxide nanowires enables highly selective photocatalytic CO₂ reduction. Energy and Environmental Science, 2021, 14, 5339-5346.	15.6	59
10	Inhibition of Rac1 activity by controlled release of NSC23766 from chitosan microspheres effectively ameliorates osteoarthritis development in vivo. Annals of the Rheumatic Diseases, 2015, 74, 285-293.	0.5	56
11	Evaluation of dual energy spectral CT in differentiating metastatic from non-metastatic lymph nodes in rectal cancer: Initial experience. European Journal of Radiology, 2015, 84, 228-234.	1.2	54
12	Doping bioactive elements into a collagen scaffold based on synchronous self-assembly/mineralization for bone tissue engineering. Bioactive Materials, 2020, 5, 844-858.	8.6	50
13	Nanofiber-reinforced decellularized amniotic membrane improves limbal stem cell transplantation in a rabbit model of corneal epithelial defect. Acta Biomaterialia, 2019, 97, 310-320.	4.1	46
14	regBase: whole genome base-wise aggregation and functional prediction for human non-coding regulatory variants. Nucleic Acids Research, 2019, 47, e134-e134.	6.5	41
15	Synthetic Nanofiber-Reinforced Amniotic Membrane via Interfacial Bonding. ACS Applied Materials & Interfaces, 2018, 10, 14559-14569.	4.0	34
16	CAUSALdb: a database for disease/trait causal variants identified using summary statistics of genome-wide association studies. Nucleic Acids Research, 2019, 48, D807-D816.	6.5	34
17	Downâ€Regulation of Rac GTPaseâ€Activating Protein OCRL1 Causes Aberrant Activation of Rac1 in Osteoarthritis Development. Arthritis and Rheumatology, 2015, 67, 2154-2163.	2.9	25
18	Nanoparticle-mediated conversion of primary human astrocytes into neurons and oligodendrocytes. Biomaterials Science, 2016, 4, 1100-1112.	2.6	25

#	Article	IF	Citations
19	Establishing an osteoimmunomodulatory coating loaded with aspirin on the surface of titanium primed with phase-transited lysozyme . International Journal of Nanomedicine, 2019, Volume 14, 977-991.	3.3	23
20	Programmed Application of Transforming Growth Factor Î²3 and Rac1 Inhibitor NSC23766 Committed Hyaline Cartilage Differentiation of Adipose-Derived Stem Cells for Osteochondral Defect Repair. Stem Cells Translational Medicine, 2014, 3, 1242-1251.	1.6	20
21	Macroporous scaffolds developed from CaSiO3 nanofibers regulating bone regeneration via controlled calcination. Materials Science and Engineering C, 2020, 113, 111005.	3.8	19
22	Fos Promotes Early Stage Teno-Lineage Differentiation of Tendon Stem/Progenitor Cells in Tendon. Stem Cells Translational Medicine, 2017, 6, 2009-2019.	1.6	16
23	Photoluminescent biodegradable polyorganophosphazene: A promising scaffold material for in vivo application to promote bone regeneration. Bioactive Materials, 2020, 5, 102-109.	8.6	13
24	mTCTScan: a comprehensive platform for annotation and prioritization of mutations affecting drug sensitivity in cancers. Nucleic Acids Research, 2017, 45, W215-W221.	6.5	12
25	Antibacterial, conductive, and osteocompatible polyorganophosphazene microscaffolds for the repair of infectious calvarial defect. Journal of Biomedical Materials Research - Part A, 2021, 109, 2580-2596.	2.1	12
26	Grating-Based Phase-Contrast Imaging of Tumor Angiogenesis in Lung Metastases. PLoS ONE, 2015, 10, e0121438.	1.1	11
27	Bifunctional Cobaltâ€Doped ZnIn₂S₄ Hierarchical Nanotubes Endow Nobleâ€Metal Cocatalystâ€Free Photocatalytic H₂ Production Coupled with Benzyl Alcohol Oxidation. Solar Rrl, 2022, 6, .	3.1	11
28	Pharmacological Inhibition of Rac1 Activity Prevents Pathological Calcification and Enhances Tendon Regeneration. ACS Biomaterials Science and Engineering, 2019, 5, 3511-3522.	2.6	9
29	MV-mimicking micelles loaded with PEG-serine-ACP nanoparticles to achieve biomimetic intra/extra fibrillar mineralization of collagen in vitro. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 167-181.	1.1	8
30	A trifecta of g-C₃N₄: enhanced visible-spectrum absorption, increased structural distortion and boosted electronic-transfer dynamics. Chemical Communications, 2021, 57, 927-930.	2.2	8
31	The support of genetic evidence for cardiovascular risk induced by antineoplastic drugs. Science Advances, 2020, 6, .	4.7	7
32	Single cell analysis reveals inhibition of angiogenesis attenuates the progression of heterotopic ossification in Mkxâ^'/â^' mice. Bone Research, 2022, 10, 4.	5.4	7
33	112â€...Stepwise Induction Of Differentiation Of Human Induce Pluripotent Stem Cells Into Teno-lineage. British Journal of Sports Medicine, 2014, 48, A73-A74.	3.1	1