

# Muwan Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

628  
citations

687363

13  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1316  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple method for deriving functional MSCs and applied for osteogenesis in 3D scaffolds. <i>Scientific Reports</i> , 2013, 3, 2243.	3.3	108
2	Self-assembled composite matrix in a hierarchical 3-D scaffold for bone tissue engineering. <i>Acta Biomaterialia</i> , 2011, 7, 2244-2255.	8.3	90
3	Fabrication and characterization of a rapid prototyped tissue engineering scaffold with embedded multicomponent matrix for controlled drug release. <i>International Journal of Nanomedicine</i> , 2012, 7, 4285.	6.7	56
4	Functionalization of Polycaprolactone Scaffolds with Hyaluronic Acid and $\beta$ -TCP Facilitates Migration and Osteogenic Differentiation of Human Dental Pulp Stem Cells <i>In Vitro</i> . <i>Tissue Engineering - Part A</i> , 2015, 21, 729-739.	3.1	50
5	Enhanced efficacy of chemotherapy for breast cancer stem cells by simultaneous suppression of multidrug resistance and antiapoptotic cellular defense. <i>Acta Biomaterialia</i> , 2015, 28, 171-182.	8.3	49
6	Interference in the endplate nutritional pathway causes intervertebral disc degeneration in an immature porcine model. <i>International Orthopaedics</i> , 2014, 38, 1011-1017.	1.9	41
7	Dental pulp-derived stromal cells exhibit a higher osteogenic potency than bone marrow-derived stromal cells in vitro and in a porcine critical-size bone defect model. <i>Sicot-j</i> , 2016, 2, 16.	1.8	41
8	A single topical dose of erythropoietin applied on a collagen carrier enhances calvarial bone healing in pigs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 85, 201-209.	3.3	28
9	Improvement of Distribution and Osteogenic Differentiation of Human Mesenchymal Stem Cells by Hyaluronic Acid and $\beta$ -Tricalcium Phosphate-Coated Polymeric Scaffold <i>In Vitro</i> . <i>BioResearch Open Access</i> , 2015, 4, 363-373.	2.6	28
10	A tissue-engineered therapeutic device inhibits tumor growth in vitro and in vivo. <i>Acta Biomaterialia</i> , 2015, 18, 21-29.	8.3	22
11	A traditional Chinese medicine formula extracts stimulate proliferation and inhibit mineralization of human mesenchymal stem cells in vitro. <i>Journal of Ethnopharmacology</i> , 2009, 125, 75-82.	4.1	19
12	Spatially Controlled Delivery of siRNAs to Stem Cells in Implants Generated by Multi-Component Additive Manufacturing. <i>Advanced Functional Materials</i> , 2013, 23, 5599-5607.	14.9	19
13	Rapid generation of regionally specified CNS neurons by sequential patterning and conversion of human induced pluripotent stem cells. <i>Stem Cell Research</i> , 2020, 48, 101945.	0.7	16
14	Co-delivery of siRNA and doxorubicin to cancer cells from additively manufactured implants. <i>RSC Advances</i> , 2015, 5, 101718-101725.	3.6	13
15	Electrostatic self-assembly of multilayer copolymeric membranes on the surface of porous tantalum implants for sustained release of doxorubicin. <i>International Journal of Nanomedicine</i> , 2011, 6, 3057.	6.7	10
16	In vivo drug release behavior and osseointegration of a doxorubicin-loaded tissue-engineered scaffold. <i>RSC Advances</i> , 2016, 6, 76237-76245.	3.6	9
17	Generation of Human iPSCs by Episomal Reprogramming of Skin Fibroblasts and Peripheral Blood Mononuclear Cells. <i>Methods in Molecular Biology</i> , 2021, 2239, 135-151.	0.9	7
18	Free radicals generated by tantalum implants antagonize the cytotoxic effect of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2013, 448, 214-220.	5.2	6

#	ARTICLE	IF	CITATIONS
19	A Modified Monomeric Red Fluorescent Protein Reporter for Assessing CRISPR Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 54.	3.7	6
20	Generation of eight human induced pluripotent stem cell lines from Parkinson's disease patients carrying familial mutations. <i>Stem Cell Research</i> , 2020, 42, 101657.	0.7	6
21	Central and Peripheral Nervous System Progenitors Derived from Human Pluripotent Stem Cells Reveal a Unique Temporal and Cell-Type Specific Expression of PMCA. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 5.	3.7	3
22	Generation of an induced pluripotent stem cell line (DANi-011A) from a Parkinson's disease patient with a LRRK2 p.G2019S mutation. <i>Stem Cell Research</i> , 2020, 45, 101781.	0.7	1