

# Mengfei Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,193  
citations

394421

19  
h-index

395702

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endoscope-controlled maxillary sinus floor elevation: a review of the literature. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2022, 60, 113-119.	0.8	2
2	Application of WeChat-based flipped classroom on root canal filling teaching in a preclinical endodontic course. <i>BMC Medical Education</i> , 2022, 22, 138.	2.4	9
3	Vascularizing the brain in vitro. <i>IScience</i> , 2022, 25, 104110.	4.1	13
4	Osteogenesis-Inducing Chemical Cues Enhance the Mechanosensitivity of Human Mesenchymal Stem Cells for Osteogenic Differentiation on a Microtopographically Patterned Surface. <i>Advanced Science</i> , 2022, 9, e2200053.	11.2	11
5	A hierarchical vascularized engineered bone inspired by intramembranous ossification for mandibular regeneration. <i>International Journal of Oral Science</i> , 2022, 14, .	8.6	9
6	Construction and validity of a midsagittal plane based on the symmetry of a 3-dimensional model of the relevant cranial base. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, e49-e58.	1.7	4
7	Changes in the surface topography and element proportion of clinically failed SLA implants after in vitro debridement by different methods. <i>Clinical Oral Implants Research</i> , 2021, 32, 263-273.	4.5	8
8	Biodegradable intramedullary nail (BIN) with high-strength bioceramics for bone fracture. <i>Journal of Materials Chemistry B</i> , 2021, 9, 969-982.	5.8	7
9	Accelerated Neurite Outgrowth and Neurogenesis of PC12 Cells on an Fe-doped TiO <sub>2</sub> Nanorod Film Triggered by Visible Light. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 577-585.	5.2	3
10	Cranial Suture Regeneration Mitigates Skull and Neurocognitive Defects in Craniosynostosis. <i>Cell</i> , 2021, 184, 243-256.e18.	28.9	88
11	Biofabrication of aligned structures that guide cell orientation and applications in tissue engineering. <i>Bio-Design and Manufacturing</i> , 2021, 4, 258-277.	7.7	32
12	3D Cell Culture—Can It Be As Popular as 2D Cell Culture?. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000066.	3.6	20
13	Periosteal Tissue Engineering: Current Developments and Perspectives. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100215.	7.6	27
14	Iroquois Homeobox 5 Negatively Regulated by miRNA-147 Promotes the Proliferation, Metastasis, and Invasion by Oral Squamous Cell Carcinoma. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1098-1108.	1.1	4
15	4D Printing of Multi-Responsive Membrane for Accelerated In Vivo Bone Healing Via Remote Regulation of Stem Cell Fate. <i>Advanced Functional Materials</i> , 2021, 31, 2103920.	14.9	48
16	Skull Base Sphenoid Bone: A Potential Route of Brain Abscesses Induced by Odontogenic Infection. <i>Journal of Craniofacial Surgery</i> , 2021, 32, e32-e34.	0.7	4
17	The association between low birth weight and dental caries among 11-to-13-year-old school age children in Ningbo, China. <i>BMC Pediatrics</i> , 2021, 21, 491.	1.7	3
18	Changes in bone graft height and influencing factors after sinus floor augmentation by using the lateral window approach: A clinical retrospective study of 1 to 2 years. <i>Journal of Prosthetic Dentistry</i> , 2021, . .	2.8	7

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19	KLF2+ stemness maintains human mesenchymal stem cells in bone regeneration. <i>Stem Cells</i> , 2020, 38, 395-409.	3.2	15
20	3D bioprinted hyaluronic acid-based cell-laden scaffold for brain microenvironment simulation. <i>Bio-Design and Manufacturing</i> , 2020, 3, 164-174.	7.7	27
21	Ultraviolet Radiant Energy-Dependent Functionalization Regulates Cellular Behavior on Titanium Dioxide Nanodots. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31793-31803.	8.0	5
22	Complexation-induced resolution enhancement of 3D-printed hydrogel constructs. <i>Nature Communications</i> , 2020, 11, 1267.	12.8	158
23	Controlled Release of Naringin in GelMA-Incorporated Rutile Nanorod Films to Regulate Osteogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Omega</i> , 2019, 4, 19350-19357.	3.5	23
24	Chiral geometry regulates stem cell fate and activity. <i>Biomaterials</i> , 2019, 222, 119456.	11.4	26
25	Enhanced osteogenesis of quasi-three-dimensional hierarchical topography. <i>Journal of Nanobiotechnology</i> , 2019, 17, 102.	9.1	12
26	The osteoinductive effect of nano-nacre particles on MC-3T3 E1 preosteoblast through controlled release of water soluble matrix and calcium ions. <i>Dental Materials Journal</i> , 2019, 38, 981-986.	1.8	4
27	Surface Modification by Divalent Main-Group-Elemental Ions for Improved Bone Remodeling To Instruct Implant Biofabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3311-3324.	5.2	15
28	Chinese Minority Perceives the Doctor-Patient Relationship Differently: A Cultural and Economic Interpretation. <i>Frontiers in Public Health</i> , 2019, 7, 330.	2.7	9
29	Bone marrow mesenchymal stem cells promote head and neck cancer progression through Perlecan-mediated phosphoinositide 3-kinase/Akt/mammalian target of rapamycin. <i>Cancer Science</i> , 2018, 109, 688-698.	3.9	51
30	17-Estradiol antagonizes the inhibitory effects of caffeine in BMMSCs via the ER $\beta$ -mediated cAMP-dependent PKA pathway. <i>Toxicology</i> , 2018, 394, 1-10.	4.2	5
31	ALK5 transfection of bone marrow mesenchymal stem cells to repair osteoarthritis of knee joint. <i>Bio-Design and Manufacturing</i> , 2018, 1, 135-145.	7.7	1
32	The comparison genomics analysis with glioblastoma multiforme (GBM) cells under 3D and 2D cell culture conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 665-673.	5.0	27
33	The effect of surface immobilized NBD peptide on osteoclastogenesis of rough titanium plates <i>in vitro</i> and osseointegration of rough titanium implants in ovariectomized rats <i>in vivo</i> . <i>RSC Advances</i> , 2018, 8, 22853-22865.	3.6	4
34	Enhanced Osteointegration of Hierarchical Structured 3D-Printed Titanium Implants. <i>ACS Applied Bio Materials</i> , 2018, 1, 90-99.	4.6	13
35	Improved rhBMP-2 function on MBC incorporated TiO <sub>2</sub> nanorod films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 153-158.	5.0	14
36	Surface Atomic Structure Directs the Fate of Human Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15274-15285.	8.0	20

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37	Surface hydroxyl groups regulate the osteogenic differentiation of mesenchymal stem cells on titanium and tantalum metals. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3955-3963.	5.8	38
38	Controlled Release of Naringin in Metal-Organic Framework-Loaded Mineralized Collagen Coating to Simultaneously Enhance Osseointegration and Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19698-19705.	8.0	97
39	Directed Differentiation of Human Embryonic Stem Cells to Neural Crest Stem Cells, Functional Peripheral Neurons, and Corneal Keratocytes. <i>Biotechnology Journal</i> , 2017, 12, 1700067.	3.5	18
40	Engineering prevascularized composite cell sheet by light-induced cell sheet technology. <i>RSC Advances</i> , 2017, 7, 32468-32477.	3.6	9
41	Light-Induced Cell Alignment and Harvest for Anisotropic Cell Sheet Technology. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36513-36524.	8.0	43
42	Mesenchymal stem cells in response to exposed rod-heights of TiO <sub>2</sub> nanorod films. <i>RSC Advances</i> , 2016, 6, 67778-67784.	3.6	6
43	Modulation of protein behavior through light responses of TiO <sub>2</sub> nanodots films. <i>Scientific Reports</i> , 2015, 5, 13354.	3.3	11
44	Influence of integration of TiO <sub>2</sub> nanorods into its nanodot films on pre-osteoblast cell responses. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 387-393.	5.0	11
45	Whole body vibration improves osseointegration by up-regulating osteoblastic activity but down-regulating osteoblast-mediated osteoclastogenesis via ERK1/2 pathway. <i>Bone</i> , 2015, 71, 17-24.	2.9	44
46	Surface hydroxyl groups direct cellular response on amorphous and anatase TiO <sub>2</sub> nanodots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 68-74.	5.0	48
47	Incorporation of chitosan nanospheres into thin mineralized collagen coatings for improving the antibacterial effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 536-541.	5.0	20
48	Light-induced cell detachment for cell sheet technology. <i>Biomaterials</i> , 2013, 34, 11-18.	11.4	89
49	Preparation and antibiotic drug release of mineralized collagen coatings on titanium. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2413-2423.	3.6	31