

Min-Huey Chen

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,757
citations

331259

21
h-index

288905

40
g-index

63
all docs

63
docs citations

63
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Multipotential Mesenchymal Stem Cells from Femoral Bone Marrow Near the Site of Osteonecrosis. <i>Stem Cells</i> , 2003, 21, 190-199.	1.4	125
2	Effects of Cyclic Mechanical Stretching on the mRNA Expression of Tendon/Ligament-Related and Osteoblast-Specific Genes in Human Mesenchymal Stem Cells. <i>Connective Tissue Research</i> , 2008, 49, 7-14.	1.1	123
3	Low shrinkage light curable nanocomposite for dental restorative material. <i>Dental Materials</i> , 2006, 22, 138-145.	1.6	119
4	Glycoprotein B7-H3 overexpression and aberrant glycosylation in oral cancer and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13057-13062.	3.3	100
5	Interactive effects of mechanical stretching and extracellular matrix proteins on initiating osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 1263-1273.	1.2	97
6	Tensile bond strength of Er,Cr:YSGG laser-irradiated human dentin and analysis of dentin-resin interface. <i>Dental Materials</i> , 2007, 23, 570-578.	1.6	90
7	On the ultrastructure of softened cartilage: a possible model for structural transformation. <i>Journal of Anatomy</i> , 1998, 192, 329-341.	0.9	82
8	Regeneration of dentin-pulp complex with cementum and periodontal ligament formation using dental bud cells in gelatin-chondroitin-hyaluronan tri-copolymer scaffold in swine. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 1062-1068.	2.1	72
9	A novel polyurethane/cellulose fibrous scaffold for cardiac tissue engineering. <i>RSC Advances</i> , 2015, 5, 6932-6939.	1.7	72
10	A degeneration-based hypothesis for interpreting fibrillar changes in the osteoarthritic cartilage matrix. <i>Journal of Anatomy</i> , 2001, 199, 683-698.	0.9	68
11	Repair of porcine articular cartilage defect with autologous chondrocyte transplantation. <i>Journal of Orthopaedic Research</i> , 2005, 23, 584-593.	1.2	66
12	Concerning the ultrastructural origin of large-scale swelling in articular cartilage. <i>Journal of Anatomy</i> , 1999, 194, 445-461.	0.9	59
13	Bactericidal effects of diode laser on <i>Streptococcus mutans</i> after irradiation through different thickness of dentin. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 62-69.	1.1	49
14	Transdifferentiation of Bone Marrow Stem Cells into Acinar Cells Using a Double Chamber System. <i>Journal of the Formosan Medical Association</i> , 2007, 106, 1-7.	0.8	44
15	Biphenyl liquid crystalline epoxy resin as a low-shrinkage resin-based dental restorative nanocomposite. <i>Acta Biomaterialia</i> , 2012, 8, 4151-4161.	4.1	37
16	Interactions of acinar cells on biomaterials with various surface properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 254-262.	2.1	32
17	Proliferation and Phenotypic Preservation of Rat Parotid Acinar Cells. <i>Tissue Engineering</i> , 2005, 11, 526-534.	4.9	30
18	Bone Marrow Combined With Dental Bud Cells Promotes Tooth Regeneration in Miniature Pig Model. <i>Artificial Organs</i> , 2011, 35, 113-121.	1.0	28

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19	Cell-surface interactions of rat tooth germ cells on various biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 241-248.	2.1	25
20	Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. <i>Analytical Chemistry</i> , 2015, 87, 7575-7582.	3.2	25
21	Improvements in dental care using a new mobile app with cloud services. <i>Journal of the Formosan Medical Association</i> , 2014, 113, 742-749.	0.8	22
22	Monomer conversion and cytotoxicity of dental composites irradiated with different modes of photoactivated curing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 83B, 85-90.	1.6	21
23	Regeneration of critical-sized mandibular defect using a 3D-printed hydroxyapatite-based scaffold: An exploratory study. <i>Journal of Periodontology</i> , 2021, 92, 428-435.	1.7	21
24	Tensile Bond Strength of Er, Cr: YSGG Laser-irradiated Human Dentin to Composite Inlays with Two Resin Cements. <i>Dental Materials Journal</i> , 2007, 26, 746-755.	0.8	19
25	Multiphoton autofluorescence and second-harmonic generation imaging of the tooth. <i>Journal of Biomedical Optics</i> , 2007, 12, 064018.	1.4	18
26	Zinc Chloride for Odontogenesis of Dental Pulp Stem Cells via Metallothionein Up-regulation. <i>Journal of Endodontics</i> , 2011, 37, 211-216.	1.4	17
27	Factors affecting the clinical success of orthodontic anchorage: Experience with 266 temporary anchorage devices. <i>Journal of Dental Sciences</i> , 2014, 9, 49-55.	1.2	17
28	Curcumin inhibits TGF- β 1-induced connective tissue growth factor expression through the interruption of Smad2 signaling in human gingival fibroblasts. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 1115-1123.	0.8	16
29	Far-infrared ray radiation promotes neurite outgrowth of neuron-like PC12 cells through AKT1 signaling. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 600-610.	0.8	16
30	Effects of radiotherapy on salivary gland function in patients with head and neck cancers. <i>Journal of Dental Sciences</i> , 2015, 10, 253-262.	1.2	15
31	Effects of chlorhexidine on stem cells from exfoliated deciduous teeth. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 17-22.	0.8	15
32	Formation of salivary acinar cell spheroids <i>in vitro</i> above a polyvinyl alcohol-coated surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 1066-1072.	2.1	14
33	Promoting dentinogenesis of DPSCs through inhibiting microRNA-218 by using magnetic nanocarrier delivery. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 1005-1013.	0.8	13
34	FGF-9 accelerates epithelial invagination for ectodermal organogenesis in real time bioengineered organ manipulation. <i>Cell Communication and Signaling</i> , 2012, 10, 34.	2.7	12
35	Novel microinjector for carrying bone substitutes for bone regeneration in periodontal diseases. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 45-50.	0.8	12
36	Characterization of designed directional polylactic acid 3D scaffolds for neural differentiation of human dental pulp stem cells. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 268-275.	0.8	12

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37	Preclinical evaluation of a 3D-printed hydroxyapatite/poly(lactic-co-glycolic acid) scaffold for ridge augmentation. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 1100-1107.	0.8	12
38	Challenge Tooth Regeneration in Adult Dogs with Dental Pulp Stem Cells on 3D-Printed Hydroxyapatite/Poly(lactic acid) Scaffolds. <i>Cells</i> , 2021, 10, 3277.	1.8	12
39	Induction of differentiation and mineralization in rat tooth germ cells on PVA through inhibition of ERK1/2. <i>Biomaterials</i> , 2009, 30, 541-547.	5.7	11
40	Long-term effect of pulsed Nd:YAG laser irradiation on cultured human periodontal fibroblasts. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 225-233.	1.1	10
41	Inhibition of growth and migration of oral and cervical cancer cells by citrus polyphenol. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 171-185.	0.8	10
42	Oral health-related quality of life in orthodontic patients during initial therapy with conventional brackets or self-ligating brackets. <i>Journal of Dental Sciences</i> , 2017, 12, 161-172.	1.2	10
43	Low Pressure Radio-Frequency Oxygen Plasma Induced Oxidation of Titanium " Surface Characteristics and Biological Effects. <i>PLoS ONE</i> , 2013, 8, e84898.	1.1	9
44	Liquid crystalline epoxy nanocomposite material for dental application. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 46-51.	0.8	9
45	Citrus polyphenol for oral wound healing in oral ulcers and periodontal diseases. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 100-107.	0.8	9
46	Relationship of chondrocyte apoptosis to matrix degradation and swelling potential of osteoarthritic cartilage. <i>Journal of the Formosan Medical Association</i> , 2005, 104, 264-72.	0.8	8
47	Developing a novel cholesterol-based nanocarrier with high transfection efficiency and serum compatibility for gene therapy. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 766-775.	0.8	7
48	Perceived pain for orthodontic patients with conventional brackets or self-ligating brackets over 1 month period: A single-center, randomized controlled clinical trial. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 282-289.	0.8	7
49	Effects on microstrain and conversion of flowable resin composite using different curing modes and units. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 81B, 323-329.	1.6	6
50	The behavior of rat tooth germ cells on poly(vinyl alcohol). <i>Acta Biomaterialia</i> , 2009, 5, 1064-1074.	4.1	6
51	Microarray analysis of gene expression of bone marrow stem cells cocultured with salivary acinar cells. <i>Journal of the Formosan Medical Association</i> , 2013, 112, 713-720.	0.8	6
52	The Role of Alcohol, LPS Toxicity, and ALDH2 in Dental Bony Defects. <i>Biomolecules</i> , 2021, 11, 651.	1.8	4
53	Concerning the ultrastructural origin of large-scale swelling in articular cartilage. <i>American Journal of Anatomy</i> , 1999, 194, 445-461.	0.9	4
54	Identification and initial characterization of small cells in adult cartilage and bone marrow. <i>Journal of the Formosan Medical Association</i> , 2004, 103, 264-73.	0.8	4

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55	Multiphoton microscopy imaging of developing tooth germs. Journal of the Formosan Medical Association, 2014, 113, 42-49.	0.8	3
56	Three-dimensional tooth imaging using multiphoton and second harmonic generation microscopy. , 2007, , .		2
57	Restorative and Esthetic Dentistryâ€™A Special Issue of the Dentistry Journal. Dentistry Journal, 2018, 6, 5.	0.9	2
58	On the ultrastructure of softened cartilage: a possible model for structural transformation. , 0, .		2
59	THE BEHAVIOR OF RAT TOOTH GERM CELLS ON 3-HYDROXYL-BUTYRATE-CO-3-HYDROXY-HEXANOATE (PHBHHx) MEMBRANES. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 279-288.	0.3	0
60	Low temperature atmospheric pressure plasma application in tooth whitening. , 2013, , .		0
61	TOOTH REGENERATION WITH DENTAL STEM CELL RESEARCH IN MINIATURE PIG MODEL. TÃ¡iwÃ¡n ShÃ²uyÃ©xuÃ© ZÃ¡zhÃ¡, 2015, 41, 197-203.	0.2	0