

# Tien-Min G Chu

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,738  
citations

430442

18  
h-index

288905

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of shade and thickness on the translucency parameter of anatomic-contour zirconia, transmitted light intensity, and degree of conversion of the resin cement. <i>Journal of Prosthetic Dentistry</i> , 2023, 129, 213-219.	1.1	11
2	Bone Morphogenetic Protein-2 Rapidly Heals Two Distinct Critical Sized Segmental Diaphyseal Bone Defects in a Porcine Model. <i>Military Medicine</i> , 2023, 188, 117-124.	0.4	0
3	The Trueness of Obturator Prosthesis Base Manufactured by Conventional and 3D Printing Techniques. <i>Journal of Prosthodontics</i> , 2022, 31, 221-227.	1.7	8
4	Targeted activation of androgen receptor signaling in the periosteum improves bone fracture repair. <i>Cell Death and Disease</i> , 2022, 13, 123.	2.7	3
5	Internal Fixation Construct and Defect Size Affect Healing of a Translational Porcine Diaphyseal Tibial Segmental Bone Defect. <i>Military Medicine</i> , 2021, 186, e1115-e1123.	0.4	6
6	Bonding between implant attachment pickup materials and CAD-CAM denture base material. <i>Journal of Prosthetic Dentistry</i> , 2021, 126, 102.e1-102.e7.	1.1	0
7	Effect of hydrogel-based antibiotic intracanal medicaments on crown discoloration. <i>Restorative Dentistry &amp; Endodontics</i> , 2021, 46, e52.	0.6	0
8	A Pyk2 inhibitor incorporated into a PEGDA-gelatin hydrogel promotes osteoblast activity and mineral deposition. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 025015.	1.7	13
9	Scaffold-free bioprinting of mesenchymal stem cells using the Regenova printer: Spheroid characterization and osteogenic differentiation. <i>Bioprinting</i> , 2019, 15, e00050.	2.9	32
10	Scaffold-free bioprinting of mesenchymal stem cells with the regenova printer: Optimization of printing parameters. <i>Bioprinting</i> , 2019, 15, e00048.	2.9	32
11	Should Live Patient Licensing Examinations in Dentistry Be Discontinued? Two Viewpoints. <i>Journal of Dental Education</i> , 2018, 82, 246-251.	0.7	11
12	The science and application of IPS e.Max dental ceramic. <i>Kaohsiung Journal of Medical Sciences</i> , 2018, 34, 238-242.	0.8	70
13	Forces associated with launch into space do not impact bone fracture healing. <i>Life Sciences in Space Research</i> , 2018, 16, 52-62.	1.2	14
14	Baseline Biomechanical Properties of Epithelia prior to Tissue Expansion in Dogs. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1773.	0.3	1
15	Development of a step-down method for altering male C57BL/6 mouse housing density and hierarchical structure: Preparations for spaceflight studies. <i>Life Sciences in Space Research</i> , 2018, 17, 44-50.	1.2	10
16	Cohousing Male Mice with and without Segmental Bone Defects. <i>Comparative Medicine</i> , 2018, 68, 131-138.	0.4	5
17	The Effects of Fluoride Treatment Time and Concentration on In Vitro Caries Lesion Demineralisation and Remineralisation. <i>Oral Health &amp; Preventive Dentistry</i> , 2018, 16, 557-562.	0.3	0
18	The Effect of Polymerization Methods and Fiber Types on the Mechanical Behavior of Fiber-Reinforced Resin-Based Composites. <i>Journal of Prosthodontics</i> , 2017, 26, 230-237.	1.7	7

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19	Megakaryocytes Enhance Mesenchymal Stromal Cells Proliferation and Inhibit Differentiation. <i>Journal of Cellular Biochemistry</i> , 2017, , .	1.2	5
20	Towards the Optimal Crown-to-Implant Ratio in Dental Implants. , 2017, , .		0
21	Tetracycline-incorporated polymer nanofibers as a potential dental implant surface modifier. , 2017, 105, 2085-2092.		33
22	The properties of inducible membranes in animals and humans. <i>International Journal of Medical Engineering and Informatics</i> , 2017, 9, 189.	0.2	0
23	FTIR Characterization and Release of Bovine Serum Albumin from Bioactive Glasses. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, e347-e355.	0.7	4
24	On the Significance and Predicted Functional Effects of the Crown-to-Implant Ratio: A Finite Element Study of Long-Term Implant Stability Using High-Resolution, Nonlinear Numerical Analysis. , 2016, , .		1
25	Microstructural evolution and physical behavior of a lithium disilicate glassâ€“ceramic. <i>Dental Materials</i> , 2015, 31, 928-940.	1.6	118
26	Surgical Fixation Hardware for Regeneration of Long Bone Segmental Defects: Translating Large Animal Model and Human Experiences. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2015, 13, 222-231.	1.3	2
27	Evolution of Bone Grafting: Bone Grafts and Tissue Engineering Strategies for Vascularized Bone Regeneration. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2015, 13, 232-244.	1.3	66
28	Craniofacial Biology, Orthodontics, and Implants. , 2014, , 225-242.		8
29	A novel approach to evaluate the effect of medicaments used in endodontic regeneration on root canal surface indentation. <i>Clinical Oral Investigations</i> , 2014, 18, 1569-1575.	1.4	12
30	The effects of 3D bioactive glass scaffolds and BMP-2 on bone formation in rat femoral critical size defects and adjacent bones. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 045013.	1.7	25
31	Comparison of stainless steel and titanium alloy orthodontic miniscrew implants: A mechanical and histologic analysis. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, 496-504.	0.8	34
32	Absence of Exposed Bone Following Dental Extraction in Beagle Dogs Treated With 9 Months of High-Dose Zoledronic Acid Combined With Dexamethasone. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013, 71, 1017-1026.	0.5	31
33	The impact of hydrofluoric acid etching followed by unfilled resin on the biaxial strength of a glass-ceramic. <i>Dental Materials</i> , 2013, 29, e281-e290.	1.6	36
34	Effect of Medicaments Used in Endodontic Regeneration Technique on the Chemical Structure of Human Immature Radicular Dentin: An In Vitro Study. <i>Journal of Endodontics</i> , 2013, 39, 269-273.	1.4	99
35	Effects of DCPD cement chemistry on degradation properties and cytocompatibility: comparison of MCPM/ $\beta$ -TCP and MCPM/HA formulations. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 025010.	1.7	15
36	Effect of Mica Reinforcement on the Flexural Strength and Microhardness of Polymethyl Methacrylate Denture Resin. <i>Journal of Prosthodontics</i> , 2013, 22, 179-183.	1.7	22

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37	Letter to the Editor. Journal of Oral and Maxillofacial Surgery, 2013, 71, 1308.	0.5	1
38	Compressive loading causes unique mechanism of failure in second generation sliding hip screw. International Journal of Medical Engineering and Informatics, 2013, 5, 311.	0.2	0
39	Testosterone Delivered with a Scaffold Is as Effective as Bone Morphologic Protein-2 in Promoting the Repair of Critical-Size Segmental Defect of Femoral Bone in Mice. PLoS ONE, 2013, 8, e70234.	1.1	22
40	Poly(propylene fumarate) reinforced dicalcium phosphate dihydrate cement composites for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1792-1802.	2.1	41
41	Recent advances in the development of GTR/GBR membranes for periodontal regeneration—A materials perspective. Dental Materials, 2012, 28, 703-721.	1.6	555
42	<i>In vitro</i> degradation and cytocompatibility of dicalcium phosphate dihydrate cements prepared using the monocalcium phosphate monohydrate/hydroxyapatite system reveals rapid conversion to HA as a key mechanism. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 595-602.	1.6	19
43	Additive concentration effects on dicalcium phosphate dihydrate cements prepared using monocalcium phosphate monohydrate and hydroxyapatite. Biomedical Materials (Bristol), 2011, 6, 065007.	1.7	4
44	Peripheral quantitative computer tomographic, histomorphometric, and removal torque analyses of two different non-coated implants in a rabbit model. Clinical Oral Implants Research, 2011, 22, 242-250.	1.9	25
45	Calcium phosphate cement reinforcement by polymer infiltration and <i>in situ</i> curing: A method for 3D scaffold reinforcement. Journal of Biomedical Materials Research - Part A, 2010, 94A, 547-555.	2.1	7
46	Characterization of dicalcium phosphate dihydrate cements prepared using a novel hydroxyapatite-based formulation. Biomedical Materials (Bristol), 2009, 4, 025016.	1.7	21
47	Depth of Cure of Dental Resin Composites: ISO 4049 Depth and Microhardness of Types of Materials and Shades. Operative Dentistry, 2008, 33, 408-412.	0.6	139
48	Correlation Between Micro-Computed Tomography and Histomorphometry for Assessment of New Bone Formation in a Calvarial Experimental Model. Journal of Craniofacial Surgery, 2008, 19, 446-452.	0.3	32
49	Segmental bone regeneration using a load-bearing biodegradable carrier of bone morphogenetic protein-2. Biomaterials, 2007, 28, 459-467.	5.7	129
50	Preliminary evaluation of a load-bearing BMP-2 carrier for segmental defect regeneration. Biomedical Sciences Instrumentation, 2006, 42, 42-7.	0.2	9