

Jui-Ting Hsu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5044794/publications.pdf>

Version: 2024-02-01

90
papers

1,533
citations

257450

24
h-index

377865

34
g-index

91
all docs

91
docs citations

91
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Incisor liability and its effects among East Asian children. Journal of the Formosan Medical Association, 2022, 121, 796-801.	1.7	1
2	Biomechanical Evaluation and Factorial Analysis of the 3-Dimensional Printing Self-Designed Metallic Reconstruction Plate for Mandibular Segmental Defect. Journal of Oral and Maxillofacial Surgery, 2022, 80, 775-783.	1.2	3
3	Outpatient Dental Treatment Expenditure for Patients with Oromaxillofacial Cancer: A Cohort Study in Taiwan. International Journal of Environmental Research and Public Health, 2022, 19, 1066.	2.6	0
4	Biomechanical Analyses of Porous Designs of 3D-Printed Titanium Implant for Mandibular Segmental Osteotomy Defects. Materials, 2022, 15, 576.	2.9	8
5	Intermittent parathyroid hormone treatment affects the bone structural parameters and mechanical strength of the femoral neck after ovariectomy-induced osteoporosis in rats. BioMedical Engineering OnLine, 2022, 21, 6.	2.7	3
6	Comparison of the fixation ability between lag screw and bone plate for oblique metacarpal shaft fracture. Journal of Orthopaedic Surgery and Research, 2022, 17, 72.	2.3	2
7	The Effects of Insertion Approach on the Stability of Dental Implants. Applied Bionics and Biomechanics, 2022, 2022, 1-7.	1.1	1
8	Bone quality affects stability of orthodontic miniscrews. Scientific Reports, 2022, 12, 2849.	3.3	7
9	Biomechanical Evaluation of Bone Atrophy and Implant Length in Four Implants Supporting Mandibular Full-Arch-Fixed Dentures. Materials, 2022, 15, 3295.	2.9	6
10	Survival and clinicopathological characteristics of cT4b oral squamous cell carcinoma based on different treatment modalities. Medicine (United States), 2022, 101, e29285.	1.0	2
11	Effect of oblique headless compression screw fixation for metacarpal shaft fracture: a biomechanical in vitro study. BMC Musculoskeletal Disorders, 2021, 22, 146.	1.9	5
12	Prototype of Augmented Reality Technology for Orthodontic Bracket Positioning: An In Vivo Study. Applied Sciences (Switzerland), 2021, 11, 2315.	2.5	6
13	Comparison of different lymph node staging systems in patients with positive lymph nodes in oral squamous cell carcinoma. Oral Oncology, 2021, 114, 105146.	1.5	10
14	Biomechanical analysis of occlusal modes on the periodontal ligament while orthodontic force applied. Clinical Oral Investigations, 2021, 25, 5661-5670.	3.0	5
15	Can Male Patient's Age Affect the Cortical Bone Thickness of Jawbone for Dental Implant Placement? A Cohort Study. International Journal of Environmental Research and Public Health, 2021, 18, 4284.	2.6	3
16	Effect of a figure-of-eight cerclage wire with two Kirschner wires on fixation strength for transverse metacarpal shaft fractures: an in vitro study with artificial bone. BMC Musculoskeletal Disorders, 2021, 22, 431.	1.9	4
17	Assessment of the Retromolar Canal in Taiwan Subpopulation: A Cross-Sectional Cone-Beam Computed Tomography Study in a Medical Center. Tomography, 2021, 7, 219-227.	1.8	2
18	Bone plate fixation ability on the dorsal and lateral sides of a metacarpal shaft transverse fracture. Journal of Orthopaedic Surgery and Research, 2021, 16, 441.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Impact on patients with oral squamous cell carcinoma in different anatomical subsites: a single-center study in Taiwan. <i>Scientific Reports</i> , 2021, 11, 15446.	3.3	25
20	Biomechanical Effect of Orthodontic Treatment of Canine Retraction by Using Metallic Orthodontic Mini-Implant (OMI) Covered with Various Angles of Revolving Cap. <i>Applied Bionics and Biomechanics</i> , 2021, 2021, 1-8.	1.1	0
21	FDG-PET predicts bone invasion and prognosis in patients with oral squamous cell carcinoma. <i>Scientific Reports</i> , 2021, 11, 15153.	3.3	6
22	Comparison of the fixation ability of headless compression screws and locking plate for metacarpal shaft transverse fracture. <i>Medicine (United States)</i> , 2021, 100, e27375.	1.0	3
23	Biomechanical analysis of subcondylar fracture fixation using miniplates at different positions and of different lengths. <i>BMC Oral Health</i> , 2021, 21, 543.	2.3	5
24	Effects of Gender and Age in Mandibular Leeway Space for Taiwanese Children. <i>Children</i> , 2021, 8, 999.	1.5	1
25	Biomechanical effect of implant design on four implants supporting mandibular full-arch fixed dentures: In-Vitro test and finite element analysis. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 1514-1523.	1.7	28
26	Relationship between Cortical Bone Thickness and Cancellous Bone Density at Dental Implant Sites in the Jawbone. <i>Diagnostics</i> , 2020, 10, 710.	2.6	22
27	Association between Age of Menopause and Thickness of Crestal Cortical Bone at Dental Implant Site: A Cross-Sectional Observational Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5868.	2.6	14
28	Fabrication of a Novel Ta(Zn)O Thin Film on Titanium by Magnetron Sputtering and Plasma Electrolytic Oxidation for Cell Biocompatibilities and Antibacterial Applications. <i>Metals</i> , 2020, 10, 649.	2.3	11
29	Effect of Scanning Resolution on the Prediction of Trabecular Bone Microarchitectures Using Dental Cone Beam Computed Tomography. <i>Diagnostics</i> , 2020, 10, 368.	2.6	3
30	The Effect of Insertion Angles and Depths of Dental Implant on the Initial Stability. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3112.	2.5	2
31	Biomechanical Evaluation of Sagittal Split Ramus Osteotomy Fixation Techniques in Mandibular Setback. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3031.	2.5	2
32	Difference between Female and Male Patients with Oral Squamous Cell Carcinoma: A Single-Center Retrospective Study in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3978.	2.6	17
33	Effects of Positions and Angulations of Titanium Dental Implants in Biomechanical Performances in the All-on-Four Treatment: 3D Numerical and Strain Gauge Methods. <i>Metals</i> , 2020, 10, 280.	2.3	5
34	Geometrical Calibration of a 2.5D Periapical Radiography System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 906.	2.5	0
35	Mandible Integrity and Material Properties of the Periodontal Ligament during Orthodontic Tooth Movement: A Finite-Element Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2980.	2.5	11
36	Biomechanical Analysis of the Forces Exerted during Different Occlusion Conditions following Bilateral Sagittal Split Osteotomy Treatment for Mandibular Deficiency. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-10.	1.1	8

#	ARTICLE	IF	CITATIONS
37	Improving the prediction of the trabecular bone microarchitectural parameters using dental cone-beam computed tomography. <i>BMC Medical Imaging</i> , 2019, 19, 10.	2.7	10
38	Biomechanical Effects of Diameters of Implant Body and Implant Platform in Bone Strain around an Immediately Loaded Dental Implant with Platform Switching Concept. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1998.	2.5	4
39	Biomechanical Assessment of Design Parameters on a Self-Developed 3D-Printed Titanium-Alloy Reconstruction/Prosthetic Implant for Mandibular Segmental Osteotomy Defect. <i>Metals</i> , 2019, 9, 597.	2.3	7
40	A Prototype Intraoral Periapical Sensor with High Frame Rates for a 2.5D Periapical Radiography System. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-9.	1.1	1
41	EFFECT OF BONE QUALITY ON INITIAL STABILITY OF ORTHODONTIC MINISCREWS. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1940013.	0.7	2
42	The Making of a Flight Feather: Bio-architectural Principles and Adaptation. <i>Cell</i> , 2019, 179, 1409-1423.e17.	28.9	28
43	The association between Type 1 diabetes mellitus and periodontal diseases. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 1047-1054.	1.7	8
44	Effects of short-term acupuncture treatment on occlusal force and mandibular movement in patients with deep-bite malocclusion. <i>Journal of Dental Sciences</i> , 2019, 14, 81-86.	2.5	2
45	PROTOTYPE OF A 2.5D PERIAPICAL RADIOGRAPHY SYSTEM USING AN INTRAORAL COMPUTED TOMOSYNTHESIS APPROACH. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018, 30, 1850004.	0.6	2
46	Prevalence of primate and interdental spaces for primary dentition in 3- to 6-year-old children in Taiwan. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 598-604.	1.7	11
47	Self-assembled micro-computed tomography for dental education. <i>PLoS ONE</i> , 2018, 13, e0209698.	2.5	7
48	Quantification of Volumetric Bone Mineral Density of Proximal Femurs Using a Two-Compartment Model and Computed Tomography Images. <i>BioMed Research International</i> , 2018, 2018, 1-8.	1.9	4
49	New fixation approach for transverse metacarpal neck fracture: a biomechanical study. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 183.	2.3	13
50	Variations in crestal cortical bone thickness at dental implant sites in different regions of the jawbone. <i>Clinical Implant Dentistry and Related Research</i> , 2017, 19, 440-446.	3.7	43
51	Impacts of 3D bone-to-implant contact and implant diameter on primary stability of dental implant. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 582-590.	1.7	26
52	Intermittent parathyroid hormone improve bone microarchitecture of the mandible and femoral head in ovariectomized rats. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 171.	1.9	3
53	Effects of implant length and 3D bone-to-implant contact on initial stabilities of dental implant: a microcomputed tomography study. <i>BMC Oral Health</i> , 2017, 17, 132.	2.3	8
54	Cortical Bone Morphological and Trabecular Bone Microarchitectural Changes in the Mandible and Femoral Neck of Ovariectomized Rats. <i>PLoS ONE</i> , 2016, 11, e0154367.	2.5	37

#	ARTICLE	IF	CITATIONS
55	Does Orthodontic Treatment Affect the Alveolar Bone Density?. <i>Medicine (United States)</i> , 2016, 95, e3080.	1.0	25
56	Biomechanical evaluation of one-piece and two-piece small-diameter dental implants: In-vitro experimental and three-dimensional finite element analyses. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 794-800.	1.7	38
57	New quantitative classification of the anatomical relationship between impacted third molars and the inferior alveolar nerve. <i>BMC Medical Imaging</i> , 2015, 15, 59.	2.7	17
58	Image reconstruction of optical computed tomography by using the algebraic reconstruction technique for dose readouts of polymer gel dosimeters. <i>Physica Medica</i> , 2015, 31, 942-947.	0.7	15
59	Biomechanical analysis of a temporomandibular joint condylar prosthesis during various clenching tasks. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1194-1201.	1.7	41
60	A Comparison of Micro-CT and Dental CT in Assessing Cortical Bone Morphology and Trabecular Bone Microarchitecture. <i>PLoS ONE</i> , 2014, 9, e107545.	2.5	33
61	Biological Characteristics of the MG-63 Human Osteosarcoma Cells on Composite Tantalum Carbide/Amorphous Carbon Films. <i>PLoS ONE</i> , 2014, 9, e95590.	2.5	34
62	Radiation dose evaluation of dental cone beam computed tomography using an anthropomorphic adult head phantom. <i>Radiation Physics and Chemistry</i> , 2014, 104, 287-291.	2.8	7
63	Biomechanical effects of the implant material and implantâ€“abutment interface in immediately loaded small-diameter implants. <i>Clinical Oral Investigations</i> , 2014, 18, 1335-1341.	3.0	11
64	The Effects of Cortical Bone Thickness and Trabecular Bone Strength on Noninvasive Measures of the Implant Primary Stability Using Synthetic Bone Models. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 251-261.	3.7	57
65	Trabecular bone structural parameters evaluated using dental cone-beam computed tomography: cellular synthetic bones. <i>BioMedical Engineering OnLine</i> , 2013, 12, 115.	2.7	29
66	The assessment of trabecular bone parameters and cortical bone strength: A comparison of micro-CT and dental cone-beam CT. <i>Journal of Biomechanics</i> , 2013, 46, 2611-2618.	2.1	38
67	Microcomputed tomography analysis of particular autogenous bone graft in sinus augmentation at 5Âmonths: differences on bone mineral density and 3D trabecular structure. <i>Clinical Oral Investigations</i> , 2013, 17, 535-542.	3.0	8
68	Characterization and antibacterial performance of bioactive Tiâ€“Znâ€“O coatings deposited on titanium implants. <i>Thin Solid Films</i> , 2013, 528, 143-150.	1.8	46
69	Relation between initial implant stability quotient and bone-implant contact percentage: an in vitro model study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 116, e356-e361.	0.4	28
70	THE EFFECT OF CYCLIC STRETCHING SPEED ON THE FORCE DEGRADATION OF ORTHODONTIC ELASTIC BANDS. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350017.	0.7	0
71	Relationship of Three-Dimensional Bone-to-Implant Contact to Primary Implant Stability and Peri-implant Bone Strain in Immediate Loading: Microcomputed Tomographic and In Vitro Analyses. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 367-374.	1.4	34
72	Location of the Mandibular Canal and Thickness of the Occlusal Cortical Bone at Dental Implant Sites in the Lower Second Premolar and First Molar. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-8.	1.3	16

#	ARTICLE	IF	CITATIONS
73	The Collum angle of the maxillary central incisors in patients with different types of malocclusion. Journal of Dental Sciences, 2012, 7, 72-76.	2.5	18
74	Relation between insertion torque and bone-implant contact percentage: an artificial bone study. Clinical Oral Investigations, 2012, 16, 1679-1684.	3.0	15
75	Predicting Cortical Bone Strength from DXA and Dental Cone-Beam CT. PLoS ONE, 2012, 7, e50008.	2.5	22
76	Effects of orthodontic tooth movement on alveolar bone density. Clinical Oral Investigations, 2012, 16, 679-688.	3.0	46
77	Antibacterial properties and human gingival fibroblast cell compatibility of TiO ₂ /Ag compound coatings and ZnO films on titanium-based material. Clinical Oral Investigations, 2012, 16, 95-100.	3.0	45
78	Initial stability and bone strain evaluation of the immediately loaded dental implant: an <i>in vitro</i> model study. Clinical Oral Implants Research, 2011, 22, 691-698.	4.5	51
79	Effect of Screw Fixation on Temporomandibular Joint Condylar Prosthesis. Journal of Oral and Maxillofacial Surgery, 2011, 69, 1320-1328.	1.2	52
80	Bone density changes around teeth during orthodontic treatment. Clinical Oral Investigations, 2011, 15, 511-519.	3.0	57
81	FRICION OF STAINLESS STEEL, NICKEL-TITANIUM ALLOY, AND BETA-TITANIUM ALLOY ARCHWIRES IN TWO COMMONLY USED ORTHODONTIC BRACKETS. Journal of Mechanics in Medicine and Biology, 2011, 11, 917-928.	0.7	9
82	A new method to evaluate the elastic modulus of cortical bone by using a combined computed tomography and finite element approach. Computers in Biology and Medicine, 2010, 40, 464-468.	7.0	22
83	Effects of Screw Eccentricity on the Initial Stability of the Acetabular Cup in Artificial Foam Bone of Different Qualities. Artificial Organs, 2010, 34, E10-6.	1.9	11
84	Effect of bone quality on the artificial temporomandibular joint condylar prosthesis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, e1-e5.	1.4	15
85	Effects of cortical bone thickness and implant length on bone strain and interfacial micromotion in an immediately loaded implant. International Journal of Oral and Maxillofacial Implants, 2010, 25, 706-14.	1.4	12
86	Bone Strain and Interfacial Sliding Analyses of Platform Switching and Implant Diameter on an Immediately Loaded Implant: Experimental and Three-Dimensional Finite Element Analyses. Journal of Periodontology, 2009, 80, 1125-1132.	3.4	67
87	RELATIONS OF ANISOTROPIC ELASTIC MODULI TO DENSITY AND CT NUMBER IN BOVINE CORTICAL BONE. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 139-143.	0.6	1
88	The number of screws, bone quality, and friction coefficient affect acetabular cup stability. Medical Engineering and Physics, 2007, 29, 1089-1095.	1.7	86
89	Effects of screw eccentricity on the initial stability of the acetabular cup. International Orthopaedics, 2007, 31, 451-455.	1.9	30
90	The relation between micromotion and screw fixation in acetabular cup. Computer Methods and Programs in Biomedicine, 2006, 84, 34-41.	4.7	41