

Hsun-Liang Chan

List of Publications by Year in descending order

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93
papers

3,038
citations

159585

30
h-index

175258

52
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96
all docs

96
docs citations

96
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	The Significance of Keratinized Mucosa on Implant Health: A Systematic Review. <i>Journal of Periodontology</i> , 2013, 84, 1755-1767.	3.4	366
2	Tissue Biotype and Its Relation to the Underlying Bone Morphology. <i>Journal of Periodontology</i> , 2010, 81, 569-574.	3.4	236
3	Surgical Management of Peri-Implantitis: A Systematic Review and Meta-Analysis of Treatment Outcomes. <i>Journal of Periodontology</i> , 2014, 85, 1027-1041.	3.4	119
4	Dental Imaging in Implant Treatment Planning. <i>Implant Dentistry</i> , 2010, 19, 288-298.	1.3	103
5	Wound Healing Complications Following Guided Bone Regeneration for Ridge Augmentation: A Systematic Review and Meta-Analysis. <i>International Journal of Oral and Maxillofacial Implants</i> , 2018, 33, 51-50.	1.4	103
6	Alterations in Bone Quality After Socket Preservation with Grafting Materials: A Systematic Review. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 710-720.	1.4	100
7	Sinus Pathology and Anatomy in Relation to Complications in Lateral Window Sinus Augmentation. <i>Implant Dentistry</i> , 2011, 20, 406-412.	1.3	87
8	Risk Assessment of Lingual Plate Perforation in Posterior Mandibular Region: A Virtual Implant Placement Study Using Cone-Beam Computed Tomography. <i>Journal of Periodontology</i> , 2011, 82, 129-135.	3.4	74
9	Reconstructive Procedures for Treating Peri-implantitis. <i>Journal of Dental Research</i> , 2013, 92, 131S-138S.	5.2	67
10	Effects of Currently Available Surgical and Restorative Interventions on Reducing Midfacial Mucosal Recession of Immediately Placed Single-Tooth Implants: A Systematic Review. <i>Journal of Periodontology</i> , 2014, 85, 92-102.	3.4	67
11	Effect of the platform-switching technique on preservation of peri-implant marginal bone: a systematic review. <i>International Journal of Oral and Maxillofacial Implants</i> , 2012, 27, 138-45.	1.4	64
12	Cross-sectional analysis of the mandibular lingual concavity using cone beam computed tomography. <i>Clinical Oral Implants Research</i> , 2011, 22, 201-206.	4.5	63
13	Ultrasonography for chairside evaluation of periodontal structures: A pilot study. <i>Journal of Periodontology</i> , 2020, 91, 890-899.	3.4	57
14	Evaluation of maxillary sinus width on cone-beam computed tomography for sinus augmentation and new sinus classification based on sinus width. <i>Clinical Oral Implants Research</i> , 2014, 25, 647-652.	4.5	55
15	Non-ionizing real-time ultrasonography in implant and oral surgery: A feasibility study. <i>Clinical Oral Implants Research</i> , 2017, 28, 341-347.	4.5	54
16	The Accuracy of Identifying the Greater Palatine Neurovascular Bundle: A Cadaver Study. <i>Journal of Periodontology</i> , 2011, 82, 1000-1006.	3.4	53
17	The Effect of Flapless Surgery on Implant Survival and Marginal Bone Level: A Systematic Review and Meta-Analysis. <i>Journal of Periodontology</i> , 2014, 85, e91-103.	3.4	51
18	Intraoral scanning reduces procedure time and improves patient comfort in fixed prosthodontics and implant dentistry: a systematic review. <i>Clinical Oral Investigations</i> , 2021, 25, 6517-6531.	3.0	48

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19	On the Feasibility of Utilizing Allogeneic Bone Blocks for Atrophic Maxillary Augmentation. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	47
20	Altered Enamelin Phosphorylation Site Causes Amelogenesis Imperfecta. <i>Journal of Dental Research</i> , 2010, 89, 695-699.	5.2	46
21	Effect of the Timing of Restoration on Implant Marginal Bone Loss: A Systematic Review. <i>Journal of Periodontology</i> , 2013, 84, 159-169.	3.4	46
22	Palatonasal Recess on Medial Wall of the Maxillary Sinus and Clinical Implications for Sinus Augmentation via Lateral Window Approach. <i>Journal of Periodontology</i> , 2013, 84, 1087-1093.	3.4	46
23	Emergence Profile Design Based on Implant Position in the Esthetic Zone. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2014, 34, 559-563.	1.0	46
24	Incidence of Implant Buccal Plate Fenestration in the Esthetic Zone: A Cone Beam Computed Tomography Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, 171-177.	1.4	44
25	Parathyroid Hormone Applications in the Craniofacial Skeleton. <i>Journal of Dental Research</i> , 2013, 92, 18-25.	5.2	42
26	Alveolar Bone Architecture: A Systematic Review and Meta-Analysis. <i>Journal of Periodontology</i> , 2015, 86, 1231-1248.	3.4	41
27	The Significance of the Lingual Nerve During Periodontal/Implant Surgery. <i>Journal of Periodontology</i> , 2010, 81, 372-377.	3.4	38
28	Ultrasonography for noninvasive and real-time evaluation of peri-implant tissue dimensions. <i>Journal of Clinical Periodontology</i> , 2018, 45, 986-995.	4.9	37
29	Ultrasonographic tissue perfusion analysis at implant and palatal donor sites following soft tissue augmentation: A clinical pilot study. <i>Journal of Clinical Periodontology</i> , 2021, 48, 602-614.	4.9	37
30	Non-invasive evaluation of facial crestal bone with ultrasonography. <i>PLoS ONE</i> , 2017, 12, e0171237.	2.5	37
31	Ultrasonography for diagnosis of peri-implant diseases and conditions: a detailed scanning protocol and case demonstration. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190445.	2.7	35
32	Retrograde Peri-Implantitis: A Case Report Introducing an Approach to Its Management. <i>Journal of Periodontology</i> , 2011, 82, 1080-1088.	3.4	34
33	Long-Term Effect of Four Surgical Periodontal Therapies and One Non-Surgical Therapy: A Systematic Review and Meta-Analysis. <i>Journal of Periodontology</i> , 2015, 86, 1150-1158.	3.4	34
34	Ultrasonographic characterization of lingual structures pertinent to oral, periodontal, and implant surgery. <i>Clinical Oral Implants Research</i> , 2020, 31, 352-359.	4.5	30
35	Recombinant human bone morphogenetic protein 2 outcomes for maxillary sinus floor augmentation: a systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , 2016, 27, 1349-1359.	4.5	29
36	Updates on ultrasound research in implant dentistry: a systematic review of potential clinical indications. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20180076.	2.7	29

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37	Does a fully digital workflow improve the accuracy of computer-assisted implant surgery in partially edentulous patients? A systematic review of clinical trials. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 660-671.	3.7	29
38	Accuracy of Schneiderian membrane thickness: a cone-beam computed tomography analysis with histological validation. <i>Clinical Oral Implants Research</i> , 2017, 28, 654-661.	4.5	27
39	Ultrasonographic Tissue Perfusion in Peri-implant Health and Disease. <i>Journal of Dental Research</i> , 2022, 101, 278-285.	5.2	27
40	Surgical Site Assessment for Soft Tissue Management in Ridge Augmentation Procedures. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2017, 35, e75-e83.	1.0	26
41	Prevalence and risk indicators of midfacial peri-implant soft tissue dehiscence at single site in the esthetic zone: A cross-sectional clinical and ultrasonographic study. <i>Journal of Periodontology</i> , 2022, 93, 857-866.	3.4	26
42	Does Gingival Recession Require Surgical Treatment?. <i>Dental Clinics of North America</i> , 2015, 59, 981-996.	1.8	24
43	A randomized controlled trial to compare aesthetic outcomes of immediately placed implants with and without immediate provisionalization. <i>Journal of Clinical Periodontology</i> , 2019, 46, 1061-1069.	4.9	24
44	The influence of palatal harvesting technique on the donor site vascular injury: A split-mouth comparative cadaver study. <i>Journal of Periodontology</i> , 2020, 91, 83-92.	3.4	21
45	Comprehensive peri-implant tissue evaluation with ultrasonography and cone-beam computed tomography: A pilot study. <i>Clinical Oral Implants Research</i> , 2021, 32, 777-785.	4.5	21
46	Using Cone Beam Computed Tomography Angle for Predicting the Outcome of Horizontal Bone Augmentation. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 717-723.	3.7	20
47	Implant Primary Stability Determined by Resonance Frequency Analysis in Surgically Created Defects: A Pilot Cadaver Study. <i>Implant Dentistry</i> , 2010, 19, 509-519.	1.3	19
48	The Association Between Buccal Mucosa Thickness and Periimplant Bone Loss and Attachment Loss. <i>Implant Dentistry</i> , 2018, 27, 575-581.	1.3	19
49	Schneiderian membrane perforation via transcrestal sinus floor elevation: A randomized ex vivo study with endoscopic validation. <i>Clinical Oral Implants Research</i> , 2019, 30, 11-19.	4.5	19
50	Efficacy of microsurgery and comparison to macrosurgery for gingival recession treatment: a systematic review with meta-analysis. <i>Clinical Oral Investigations</i> , 2021, 25, 4269-4280.	3.0	19
51	Personalized and Defect-Specific Antibiotic-Laden Scaffolds for Periodontal Infection Ablation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49642-49657.	8.0	15
52	Association of Inflammatory Status and Maxillary Sinus Schneiderian Membrane Thickness. <i>Clinical Oral Investigations</i> , 2018, 22, 245-254.	3.0	14
53	Does flap opening or not influence the accuracy of semi-guided implant placement in partially edentulous sites?. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 1253-1261.	3.7	14
54	Ultrasonographic evaluation of edentulous crestal bone topography: A proof-of-principle retrospective study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2022, 133, 110-117.	0.4	14

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55	Sinus augmentation <i>via</i> transcrestal approach: a comparison between the balloon and osteotome technique in a cadaver study. <i>Clinical Oral Implants Research</i> , 2013, 24, 985-990.	4.5	13
56	Guided tissue regeneration combined with bone allograft in infrabony defects: Clinical outcomes and assessment of prognostic factors. <i>Journal of Periodontology</i> , 2020, 91, 746-755.	3.4	13
57	Comparison of Clinical and Radiographic Outcomes of Platform-Switched Implants with a Rough Collar and Platform-Matched Implants with a Smooth Collar: A 1-Year Randomized Clinical Trial. <i>International Journal of Oral and Maxillofacial Implants</i> , 2016, 31, 382-390.	1.4	12
58	Impact of mucosal phenotype on marginal bone levels around tissue level implants: A prospective controlled trial. <i>Journal of Periodontology</i> , 2021, 92, 771-783.	3.4	12
59	Volumetric facial contour changes of immediately placed implants with and without immediate provisionalization. <i>Journal of Periodontology</i> , 2020, 91, 906-916.	3.4	11
60	Influence of Thread Design on Implant Positioning in Immediate Implant Placement. <i>Journal of Periodontology</i> , 2012, 83, 1420-1424.	3.4	10
61	Bone Quality and Quantity Alterations After Socket Augmentation with rhPDGF-BB or BMPs: A Systematic Review. <i>International Journal of Oral and Maxillofacial Implants</i> , 2018, 33, 1255-1265.	1.4	10
62	The Effect of Implant-Induced Artifacts on Interpreting Adjacent Bone Structures on Cone-Beam Computed Tomography Scans. <i>Implant Dentistry</i> , 2018, 27, 10-14.	1.3	9
63	Maintenance visit regularity has a different impact on periodontitis-related tooth loss depending on patient staging and grading. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1008-1018.	4.9	9
64	Facial mucosal level of single immediately placed implants with either immediate provisionalization or delayed restoration: An intermediate-term study. <i>Journal of Periodontology</i> , 2021, 92, 1213-1221.	3.4	9
65	Multi-class deep learning segmentation and automated measurements in periodontal sonograms of a porcine model. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210363.	2.7	9
66	Cervical Enamel Projections in Unusual Locations: A Case Report and Mini-Review. <i>Journal of Periodontology</i> , 2010, 81, 789-795.	3.4	8
67	Microscope and micro-camera assessment of Schneiderian membrane perforation via transcrestal sinus floor elevation: A randomized ex vivo study. <i>Clinical Oral Implants Research</i> , 2019, 30, 682-690.	4.5	8
68	Will Zirconia Implants Replace Titanium Implants?. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6776.	2.5	8
69	Agreement in measurements of ultrasonography-derived periodontal diagnostic parameters among multiple raters: A diagnostic accuracy study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2022, 134, 375-385.	0.4	8
70	Quantitative tooth mobility evaluation based on intraoral scanner measurements. <i>Journal of Periodontology</i> , 2020, 91, 202-208.	3.4	7
71	Ridge Width Gain With Screw Spreaders. <i>Implant Dentistry</i> , 2013, 22, 552-558.	1.3	6
72	Using Bioactive Glasses for the Treatment of Periodontal Intrabony Defects may Result in Modest Probing Depth Reduction and Clinical Attachment Level Gain Compared to Open Flap Debridement. <i>Journal of Evidence-based Dental Practice</i> , 2012, 12, 209-211.	1.5	5

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73	Ultrasonic Imaging: Physics and Mechanism. , 2021, , 1-38.		5
74	Characterization of Periodontal Structures of Enamelin-Null Mice. Journal of Periodontology, 2014, 85, 195-203.	3.4	4
75	Amnionâ€™Chorion Membrane in Openâ€™Wound Approach for Localized Horizontal Ridge Augmentation: A Case Series Report. Clinical Advances in Periodontics, 2022, 12, 101-105.	0.7	4
76	A Semi-automatic Algorithm for Preliminary Assessment of Labial Gingiva and Alveolar Bone Thickness of Maxillary Anterior Teeth. International Journal of Oral and Maxillofacial Implants, 2017, 32, 1273-1280.	1.4	2
77	Life satisfaction of Taiwanese dental graduates received residencies in the U.S.: a cross-sectional study. BMC Medical Education, 2020, 20, 129.	2.4	2
78	Multivariate outcome evaluation of furcationâ€™involved molars treated with nonâ€™surgical mechanical therapy alone or combined with open flap debridement: A retrospective study. Journal of Periodontology, 2021, , .	3.4	2
79	Ultrasonic Imaging for Evaluating Peri-Implant Diseases. , 2021, , 161-175.		2
80	Corticotomy-Accelerated Orthodontics: A Comprehensive Review and Update. Compendium of Continuing Education in Dentistry (Jamesburg, NJ: 1995), 2017, 38, 17-25; quiz 26.	0.1	2
81	Ultrasonography on the non-living. Current approaches.. Medical Ultrasonography, 2023, 25, 56.	0.8	1
82	Three-dimensional ultrasound imaging of the jawbone for ridge width determination: A pre-clinical ex-vivo porcine study. Journal of Dentistry, 2022, 123, 104167.	4.1	1
83	Assessment of Negative Gingival Recession: A Critical Component of Periodontal Diagnosis. Applied Sciences (Switzerland), 2022, 12, 7015.	2.5	1
84	Foreign Body Embedded in the Schneiderian Membrane. Clinical Advances in Periodontics, 2014, 4, 135-138.	0.7	0
85	Simplified Rolled Technique at Implant-Uncovering Surgery for Correcting Horizontal Ridge Defect. Clinical Advances in Periodontics, 2014, 4, 140-146.	0.7	0
86	Nitride-Coated Titanium Mesh and Particulate Allograft for Vertical Ridge Augmentation. Clinical Advances in Periodontics, 2014, 4, 182-186.	0.7	0
87	The effect of non-surgical and surgical mechanical root debridement on infrabony defects: a retrospective study. Scientific Reports, 2021, 11, 19856.	3.3	0
88	Potential of Using an Implant Fixture as a Ridge Expander for Minor Ridge Augmentation: An Ex Vivo Randomized Controlled Study. Journal of Oral Implantology, 2021, 47, 125-130.	1.0	0
89	Cervical enamel projections in unusual locations: A case report and mini-review. Journal of Periodontology, 2010, , 1-11.	3.4	0
90	Current Digital Workflow for Implant Therapy: Advantages and Limitations. , 2021, , 79-113.		0

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91	Ultrasound Indications in Implant Related and Other Oral Surgery. , 2021, , 143-160.		0
92	Ultrasonography for Wound Healing Evaluation of Implant-Related Surgeries. , 2021, , 177-196.		0
93	Life Satisfaction of US-trained Dental Specialists in Taiwan. International Dental Journal, 2022, , .	2.6	0