

# Hong-Chang Lai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5708593/publications.pdf>

Version: 2024-02-01

63  
papers

1,594  
citations

331538

21  
h-index

330025

37  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence and risk indicators of non-random sampling in clinical trials in implant dentistry: A systematic appraisal. <i>Journal of Clinical Periodontology</i> , 2022, 49, 144-152.	2.3	6
2	Accuracy and primary stability of tapered or straight implants placed into fresh extraction socket using dynamic navigation: a randomized controlled clinical trial. <i>Clinical Oral Investigations</i> , 2022, 26, 2733-2741.	1.4	10
3	Long-term clinical outcomes of short implant (6mm) in relation to Implant Disease Risk Assessment (IDRA). <i>Clinical Oral Implants Research</i> , 2022, 33, 713-722.	1.9	3
4	Diagnostic accuracy of active matrix metalloproteinase-8 (MMP-8) point-of-care test for the discrimination of periodontal health status: Comparison of saliva and oral rinse samples. <i>Journal of Periodontal Research</i> , 2022, 57, 768-779.	1.4	10
5	Peri-implant tissue alteration around tissue-level and bone-level implants in fresh extraction sockets: a histomorphometric study in dogs. <i>Annals of Translational Medicine</i> , 2021, 9, 335-335.	0.7	0
6	Accuracy of dynamic navigation in implant surgery: A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , 2021, 32, 383-393.	1.9	70
7	Novel application of bergapten and quercetin with anti-bacterial, osteogenesis-potentiating, and anti-inflammation tri-effects. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 683-696.	0.9	7
8	Clinical, radiographic and economic evaluation of short 6mm implants and longer implants combined with osteotome sinus floor elevation in moderately atrophic maxillae: A 3-year randomized clinical trial. <i>Journal of Clinical Periodontology</i> , 2021, 48, 695-704.	2.3	13
9	Graphene-Reinforced Titanium Enhances Soft Tissue Seal. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 665305.	2.0	9
10	PRMT5 inhibition modulates murine dendritic cells activation by inhibiting the metabolism switch: a new therapeutic target in periodontitis. <i>Annals of Translational Medicine</i> , 2021, 9, 755-755.	0.7	4
11	Accuracy Assessment of a Novel Radiographic Method to Evaluate Guided Bone Regeneration Outcomes Using a 3D-Printed Model. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2021, 26, 284-289.	0.5	0
12	Circ_0008542 in osteoblast exosomes promotes osteoclast-induced bone resorption through m6A methylation. <i>Cell Death and Disease</i> , 2021, 12, 628.	2.7	59
13	Melatonin prevents peri-implantitis via suppression of TLR4/NF- $\kappa$ B. <i>Acta Biomaterialia</i> , 2021, 134, 325-336.	4.1	27
14	Clinical, radiographic, and immunological evaluation of angulated screw-retained and cemented single-implant crowns in the esthetic region: A 1-year randomized controlled clinical trial. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 692-702.	1.6	7
15	Precise Targeting Therapy of Orthotopic Gastric Carcinoma by siRNA and Chemotherapeutic Drug Codelivered in pH-Sensitive Nano Platform. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100966.	3.9	8
16	A biopolymer hydrogel electrostatically reinforced by amino-functionalized bioactive glass for accelerated bone regeneration. <i>Science Advances</i> , 2021, 7, eabj7857.	4.7	22
17	Remodeling immune microenvironment in periodontitis using resveratrol liposomes as an antibiotic-free therapeutic strategy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 429.	4.2	19
18	The responses of human gingival fibroblasts to magnesium-doped titanium. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 267-278.	2.1	16

#	ARTICLE	IF	CITATIONS
19	Oral microbial profile variation during canine ligature-induced peri-implantitis development. BMC Microbiology, 2020, 20, 293.	1.3	8
20	Long-term outcomes of osteotome sinus floor elevation without grafting in severely atrophic maxilla: A 10-year prospective study. Journal of Clinical Periodontology, 2020, 47, 1528-1535.	2.3	10
21	Accuracy assessment of a novel semiautomatic method evaluating bone grafts around the dental implant: an in vitro and ex vivo study. Scientific Reports, 2020, 10, 14902.	1.6	1
22	Long-term outcomes of osteotome sinus floor elevation with or without bone grafting: The 10-year results of a randomized controlled trial. Journal of Clinical Periodontology, 2020, 47, 1016-1025.	2.3	20
23	Design of high-ductile medium entropy alloys for dental implants. Materials Science and Engineering C, 2020, 113, 110959.	3.8	54
24	The influence of initial defect morphology of alveolar ridge on volumetric change of grafted bone following guided bone regeneration in the anterior maxilla region: an exploratory retrospective study. Annals of Translational Medicine, 2020, 8, 1592-1592.	0.7	3
25	Proximal Contact Alterations Between Implant-Supported Restorations and Adjacent Natural Teeth in the Posterior Region: A 1-Year Preliminary Study. International Journal of Oral and Maxillofacial Implants, 2019, 34, 165-168.	0.6	12
26	Short versus longer implants with osteotome sinus floor elevation for moderately atrophic posterior maxillae: A 1-year randomized clinical trial. Journal of Clinical Periodontology, 2019, 46, 855-862.	2.3	20
27	Intraoral single-site comparisons of periodontal and peri-implant microbiota in health and disease. Clinical Oral Implants Research, 2019, 30, 760-776.	1.9	72
28	Issue Information â€•IFC. Clinical Oral Implants Research, 2019, 30, ii-ii.	1.9	0
29	A study on the prevalence of dental anxiety, pain perception, and their interrelationship in Chinese patients with oral implant surgery. Clinical Implant Dentistry and Related Research, 2019, 21, 428-435.	1.6	10
30	A novel semiautomatic segmentation protocol to evaluate guided bone regeneration outcomes: A pilot randomized, controlled clinical trial. Clinical Oral Implants Research, 2019, 30, 344-352.	1.9	12
31	&lt;p>&gt;Ta-Coated Titanium Surface With Superior Bacteriostasis And Osseointegration&lt;/p>&gt;. International Journal of Nanomedicine, 2019, Volume 14, 8693-8706.	3.3	35
32	Clinical and Radiological Outcomes of Implants in Osteotome Sinus Floor Elevation with and without Grafting: A Systematic Review and a Meta-Analysis. Journal of Prosthodontics, 2018, 27, 394-401.	1.7	32
33	Long-term outcomes of narrow diameter implants in posterior jaws: A retrospective study with at least 8-year follow-up. Clinical Oral Implants Research, 2018, 29, 76-81.	1.9	31
34	The effect of photodynamic therapy on pathogenic bacteria around peri-implant sulcus and in the cavity between abutment and implant after healing phase: A prospective clinical study. Lasers in Surgery and Medicine, 2018, 50, 433-439.	1.1	9
35	Endo-sinus bone formation after transalveolar sinus floor elevation without grafting with simultaneous implant placement: Histological and histomorphometric assessment in a dog model. Journal of Clinical Periodontology, 2018, 45, 1118-1127.	2.3	6
36	Peri-implant conditions and marginal bone loss around cemented and screw-retained single implant crowns in posterior regions: A retrospective cohort study with up to 4 years follow-up. PLoS ONE, 2018, 13, e0191717.	1.1	12

#	ARTICLE	IF	CITATIONS
37	Hardware complications and failure of three-unit zirconia-based and porcelain-fused-metal implant-supported fixed dental prostheses: a retrospective cohort study with up to 8 years. <i>Clinical Oral Implants Research</i> , 2017, 28, 571-575.	1.9	15
38	Bacterial and mammalian cells adhesion to tantalum-decorated micro/nano-structured titanium. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 871-878.	2.1	44
39	Enhanced osteointegration of tantalum-modified titanium implants with micro/nano-topography. <i>RSC Advances</i> , 2017, 7, 46472-46479.	1.7	11
40	Effect of titanium implants with strontium incorporation on bone apposition in animal models: A systematic review and meta-analysis. <i>Scientific Reports</i> , 2017, 7, 15563.	1.6	23
41	Clinical Investigation and Patient Satisfaction of Short Implants Versus Longer Implants with Osteotome Sinus Floor Elevation in Atrophic Posterior Maxillae: A Pilot Randomized Trial. <i>Clinical Implant Dentistry and Related Research</i> , 2017, 19, 161-166.	1.6	27
42	Survival of Implants Using the Osteotome Technique With or Without Grafting in the Posterior Maxilla: A Systematic Review. <i>International Journal of Oral and Maxillofacial Implants</i> , 2016, 31, 1077-1088.	0.6	20
43	Long-Term Outcomes of Early Loading of Straumann Implant-Supported Fixed Segmented Bridgeworks in Edentulous Maxillae: A 10-Year Prospective Study. <i>Clinical Implant Dentistry and Related Research</i> , 2016, 18, 1227-1237.	1.6	20
44	Clinical Evaluation and Patient Satisfaction of Single Zirconia-Based and High-Noble Alloy Porcelain-Fused-to-Metal Crowns in the Esthetic Area: A Retrospective Cohort Study. <i>Journal of Prosthodontics</i> , 2016, 25, 526-530.	1.7	14
45	Resonance frequency analysis of implants placed with osteotome sinus floor elevation in posterior maxillae. <i>Clinical Oral Implants Research</i> , 2016, 27, 113-119.	1.9	6
46	Periodontal and peri-implant microbiota in patients with healthy and inflamed periodontal and peri-implant tissues. <i>Clinical Oral Implants Research</i> , 2016, 27, 13-21.	1.9	116
47	Evaluation of the clinical and aesthetic outcomes of Straumann® Standard Plus implants supported single crowns placed in non-augmented healed sites in the anterior maxilla: a 5-8 years retrospective study. <i>Clinical Oral Implants Research</i> , 2016, 27, 106-112.	1.9	13
48	Transalveolar sinus floor elevation using osteotomes without grafting in severely atrophic maxilla: a 5-year prospective study. <i>Clinical Oral Implants Research</i> , 2016, 27, 120-125.	1.9	34
49	Distributions of Synergistetes in clinically-healthy and diseased periodontal and peri-implant niches. <i>Microbial Pathogenesis</i> , 2016, 94, 90-103.	1.3	22
50	Osteotome sinus floor elevation with and without grafting: an animal study in Labrador dogs. <i>Clinical Oral Implants Research</i> , 2015, 26, 197-203.	1.9	16
51	Hierarchical micro/nanostructured titanium with balanced actions to bacterial and mammalian cells for dental implants. <i>International Journal of Nanomedicine</i> , 2015, 10, 6659.	3.3	59
52	Ag-plasma modification enhances bone apposition around titanium dental implants: an animal study in Labrador dogs. <i>International Journal of Nanomedicine</i> , 2015, 10, 653.	3.3	36
53	Effects of a Hydroxyapatite-Coated Nanotube Surface of Titanium on MC3T3-E1 Cells. <i>Implant Dentistry</i> , 2015, Publish Ahead of Print, 204-10.	1.7	2
54	N-acetyl cysteine protects human oral keratinocytes from Bis-GMA-induced apoptosis and cell cycle arrest by inhibiting reactive oxygen species-mediated mitochondrial dysfunction and the PI3K/Akt pathway. <i>Toxicology in Vitro</i> , 2015, 29, 2089-2101.	1.1	14

#	ARTICLE	IF	CITATIONS
55	Clinical evaluation of short 6-mm implants alone, short 8-mm implants combined with osteotome sinus floor elevation and standard 10-mm implants combined with osteotome sinus floor elevation in posterior maxillae: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 324.	0.7	17
56	Esthetic outcome and alterations of soft tissue around single implant crowns: a 2-year prospective study. <i>Clinical Oral Implants Research</i> , 2015, 26, 909-914.	1.9	22
57	Esthetic outcome of single implant crowns following type 1 and type 3 implant placement: a systematic review. <i>Clinical Oral Implants Research</i> , 2015, 26, 768-774.	1.9	17
58	Long-term outcomes of short dental implants supporting single crowns in posterior region: a clinical retrospective study of 5-10 years. <i>Clinical Oral Implants Research</i> , 2013, 24, 230-237.	1.9	103
59	Osteotome sinus floor elevation with or without grafting: a 3-year randomized controlled clinical trial. <i>Journal of Clinical Periodontology</i> , 2013, 40, 396-403.	2.3	69
60	Osteotome sinus floor elevation with or without grafting: a preliminary clinical trial. <i>Clinical Oral Implants Research</i> , 2010, 21, 520-526.	1.9	65
61	Bone apposition around two different sandblasted, large-grit and acid-etched implant surfaces at sites with coronal circumferential defects: an experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2009, 20, 247-253.	1.9	53
62	Resonance frequency analysis of stability on ITI implants with osteotome sinus floor elevation technique without grafting: a 5-month prospective study. <i>Clinical Oral Implants Research</i> , 2008, 19, 469-475.	1.9	57
63	Evaluation of soft-tissue alteration around implant-supported single-tooth restoration in the anterior maxilla: the pink esthetic score. <i>Clinical Oral Implants Research</i> , 2008, 19, 560-564.	1.9	62