

Hyun-Chang Lim

List of Publications by Year in descending order

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95
papers

1,118
citations

394286

19
h-index

526166

27
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97
all docs

97
docs citations

97
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of lateral bone augmentation prior to implant placement: A systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2019, 46, 287-306.	2.3	71
2	Comparative evaluation of biphasic calcium phosphate and biphasic calcium phosphate collagen composite on osteoconductive potency in rabbit calvarial defect. <i>Biomaterials Research</i> , 2015, 19, 1.	3.2	55
3	Regeneration of rabbit calvarial defects using cells-implanted nano-hydroxyapatite coated silk scaffolds. <i>Biomaterials Research</i> , 2015, 19, 7.	3.2	39
4	The amount of keratinized mucosa may not influence peri-implant health in compliant patients: A retrospective 5-year analysis. <i>Journal of Clinical Periodontology</i> , 2019, 46, 354-362.	2.3	37
5	A retrospective comparison of three modalities for vestibuloplasty in the posterior mandible: apically positioned flap only vs. free gingival graft vs. collagen matrix. <i>Clinical Oral Investigations</i> , 2018, 22, 2121-2128.	1.4	34
6	Ridge preservation in molar extraction sites with an open-healing approach: A randomized controlled clinical trial. <i>Journal of Clinical Periodontology</i> , 2019, 46, 1144-1154.	2.3	34
7	Guided bone regeneration using 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC)-cross-linked type-I collagen membrane with biphasic calcium phosphate at rabbit calvarial defects. <i>Biomaterials Research</i> , 2015, 19, 15.	3.2	33
8	Bone regenerative efficacy of biphasic calcium phosphate collagen composite as a carrier of rhBMP-2. <i>Clinical Oral Implants Research</i> , 2016, 27, e91-e99.	1.9	32
9	Alveolar ridge preservation using an open membrane approach for sockets with bone deficiency: A randomized controlled clinical trial. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 175-182.	1.6	31
10	Effect of Different Hydroxyapatite:Tricalcium Phosphate Ratios on the Osteoconductivity of Biphasic Calcium Phosphate in the Rabbit Sinus Model. <i>International Journal of Oral and Maxillofacial Implants</i> , 2015, 30, 65-72.	0.6	28
11	Alveolar ridge preservation with an open-healing approach using single-layer or double-layer coverage with collagen membranes. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 372.	0.9	26
12	Delivery of dexamethasone from bioactive nanofiber matrices stimulates odontogenesis of human dental pulp cells through integrin/BMP/mTOR signaling pathways. <i>International Journal of Nanomedicine</i> , 2016, 11, 2557.	3.3	25
13	Explorative randomized controlled study comparing soft tissue thickness, contour changes, and soft tissue handling of two ridge preservation techniques and spontaneous healing two months after tooth extraction. <i>Clinical Oral Implants Research</i> , 2020, 31, 565-574.	1.9	25
14	Sulfuretin promotes osteoblastic differentiation in primary cultured osteoblasts and <i>in vivo</i> bone healing. <i>Oncotarget</i> , 2016, 7, 78320-78330.	0.8	25
15	Assessment of dehydrothermally cross-linked collagen membrane for guided bone regeneration around peri-implant dehiscence defects: a randomized single-blinded clinical trial. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 229.	0.9	21
16	Sinus floor elevation in sites with a perforated schneiderian membrane: What is the effect of placing a collagen membrane in a rabbit model?. <i>Clinical Oral Implants Research</i> , 2018, 29, 1202-1211.	1.9	21
17	Pre-clinical evaluation of the osteogenic potential of bone morphogenetic protein-2 loaded onto a particulate porcine bone biomaterial. <i>Journal of Clinical Periodontology</i> , 2015, 42, 81-88.	2.3	20
18	A high concentration of recombinant human bone morphogenetic protein-2 induces low efficacy bone regeneration in sinus augmentation: a histomorphometric analysis in rabbits. <i>Clinical Oral Implants Research</i> , 2016, 27, e199-e205.	1.9	20

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19	Randomized clinical trial of ridge preservation using porcine bone/cross-linked collagen vs. bovine bone/non-cross-linked collagen: cone beam computed tomographic analysis. <i>Clinical Oral Implants Research</i> , 2017, 28, 1492-1500.	1.9	20
20	Oral signs of acute leukemia for early detection. <i>Journal of Periodontal and Implant Science</i> , 2014, 44, 293.	0.9	18
21	Recombinant bone morphogenetic protein-2 and platelet-derived growth factor-BB for localized bone regeneration. Histologic and radiographic outcomes of a rabbit study. <i>Clinical Oral Implants Research</i> , 2017, 28, e236-e243.	1.9	18
22	The hidden X suture: a technical note on a novel suture technique for alveolar ridge preservation. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 415.	0.9	17
23	Sonic Hedgehog Promotes Cementoblastic Differentiation via Activating the BMP Pathways. <i>Calcified Tissue International</i> , 2016, 99, 396-407.	1.5	17
24	The effect of overlaying titanium mesh with collagen membrane for ridge preservation. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 128.	0.9	15
25	Late implant placement following ridge preservation versus early implant placement: A pilot randomized clinical trial for periodontally compromised non-molar extraction sites. <i>Journal of Clinical Periodontology</i> , 2020, 47, 247-256.	2.3	15
26	Delayed intentional replantation of periodontally hopeless teeth: a retrospective study. <i>Journal of Periodontal and Implant Science</i> , 2014, 44, 13.	0.9	14
27	Comparative analysis of carrier systems for delivering bone morphogenetic proteins. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 136.	0.9	14
28	Retrospective Analysis of Sinus Membrane Thickening. <i>Implant Dentistry</i> , 2017, 26, 868-874.	1.7	14
29	Bone regeneration capacity of two different macroporous biphasic calcium materials in rabbit calvarial defect. <i>The Journal of the Korean Academy of Periodontology</i> , 2009, 39, 223.	0.1	13
30	Osteoconductive effects of calcium phosphate glass cement grafts in rabbit calvarial defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 47-52.	1.6	13
31	Primary implant stability in a bone model simulating clinical situations for the posterior maxilla: an in vitro study. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 254.	0.9	12
32	Layered approach with autogenous bone and bone substitute for ridge augmentation on implant dehiscence defects in dogs. <i>Clinical Oral Implants Research</i> , 2016, 27, 622-628.	1.9	12
33	Augmentation of keratinized tissue at tooth and implant sites by using autogenous grafts and collagen-based soft-tissue substitutes. <i>Journal of Clinical Periodontology</i> , 2020, 47, 64-71.	2.3	12
34	Clinical and Immunological Efficacy of Mangosteen and Propolis Extracted Complex in Patients with Gingivitis: A Multi-Centered Randomized Controlled Clinical Trial. <i>Nutrients</i> , 2021, 13, 2604.	1.7	12
35	Late-term healing in an augmented sinus with different ratios of biphasic calcium phosphate: a pilot study using a rabbit sinus model. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 57.	0.9	11
36	Factors affecting maxillary sinus pneumatization following posterior maxillary tooth extraction. <i>Journal of Periodontal and Implant Science</i> , 2021, 51, 285.	0.9	11

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37	Implant survival and risk factor analysis in regenerated bone: results from a 5-year retrospective study. <i>Journal of Periodontal and Implant Science</i> , 2020, 50, 379.	0.9	11
38	Effects of a mouthwash containing potassium nitrate, sodium fluoride, and cetylpyridinium chloride on dentin hypersensitivity: a randomized, double-blind, placebo-controlled study. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 46.	0.9	10
39	Bone Regenerative Efficacy of Limited-Dose Escherichia Coli-Derived rhBMP-2 With Biphasic Calcium Phosphate Carrier in Rabbit Calvarial Defect Model. <i>Implant Dentistry</i> , 2016, 25, 16-23.	1.7	10
40	Long-term evaluation of sinus floor elevation using a modified lateral approach in the posterior maxilla. <i>Clinical Oral Implants Research</i> , 2017, 28, 946-953.	1.9	10
41	Sinus augmentation using rhBMP-2-loaded synthetic bone substitute with simultaneous implant placement in rabbits. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 86.	0.9	10
42	Cone-beam computed tomographic analysis of the alveolar ridge profile and virtual implant placement for the anterior maxilla. <i>Journal of Periodontal and Implant Science</i> , 2019, 49, 299.	0.9	10
43	Digital Assessment of Gingival Dimensions of Healthy Periodontium. <i>Journal of Clinical Medicine</i> , 2021, 10, 1550.	1.0	10
44	Biocompatibility and resorption pattern of newly developed hyaluronic acid hydrogel reinforced three-layer poly (lactide-co-glycolide) membrane: histologic observation in rabbit calvarial defect model. <i>Biomaterials Research</i> , 2014, 18, 12.	3.2	9
45	Prevalence of Cervical Enamel Projection and Its Impact on Furcation Involvement in Mandibular Molars: A Cone-Beam Computed Tomography Study in Koreans. <i>Anatomical Record</i> , 2016, 299, 379-384.	0.8	9
46	Collagenated Synthetic Bone Substitute Material for Sinus Floor Elevation at Sites with a Perforated Schneiderian Membrane. <i>Journal of Clinical Medicine</i> , 2020, 9, 3764.	1.0	9
47	Long-term effects of sinus membrane perforation on dental implants placed with transcrestal sinus floor elevation: A case-control study. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 758-768.	1.6	9
48	Paracrine effect of the bone morphogenetic protein-2 at the experimental site on healing of the adjacent control site: a study in the rabbit calvarial defect model. <i>Journal of Periodontal and Implant Science</i> , 2014, 44, 178.	0.9	8
49	Effectiveness of biphasic calcium phosphate block bone substitutes processed using a modified extrusion method in rabbit calvarial defects. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 46.	0.9	8
50	Long-term outcomes of the implants accidentally protruding into nasal cavity extended to posterior maxilla due to inferior meatus pneumatization. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 105-111.	1.6	8
51	In Vivo Comparative Investigation of Three Synthetic Graft Materials with Varying Compositions Processed Using Different Methods. <i>International Journal of Oral and Maxillofacial Implants</i> , 2015, 30, 1280-1286.	0.6	7
52	Bone formation around rhBMP-2-coated implants in rabbit sinuses with or without absorbable collagen sponge grafting. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 238.	0.9	7
53	The Effectiveness of a Customized Titanium Mesh for Ridge Preservation with Immediate Implantation in Dogs. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, e652-60.	1.6	7
54	Validity of Collagen Plugs for Ridge Preservation in a Canine Model. <i>Implant Dentistry</i> , 2017, 26, 892-898.	1.7	7

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55	Sinus floor elevation using implants coated with recombinant human bone morphogenetic protein-2: micro-computed tomographic and histomorphometric analyses. <i>Clinical Oral Investigations</i> , 2018, 22, 829-837.	1.4	7
56	Primary stability of implants with peri-implant bone defects of various widths: an <i>in vitro</i> investigation. <i>Journal of Periodontal and Implant Science</i> , 2019, 49, 39.	0.9	7
57	Advanced Peri-Implantitis and Implant Removal as Risk Factors for Osteonecrosis of the Jaw in Patients on Oral Bisphosphonate Therapy. <i>Journal of Oral Implantology</i> , 2021, 47, 420-426.	0.4	7
58	Xerogel Interfaced Nanofibers Stimulate Bone Regeneration Through the Activation of Integrin and Bone Morphogenetic Protein Pathways. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 180-191.	0.5	6
59	Harmin promotes periodontal ligament cell-induced tissue regeneration. <i>Oral Diseases</i> , 2018, 24, 456-464.	1.5	6
60	Tissue integration of zirconia and titanium implants with and without buccal dehiscence defects: A histologic and radiographic preclinical study. <i>Clinical Oral Implants Research</i> , 2019, 30, 660-669.	1.9	6
61	Local tissue effects of various barrier membranes in a rat subcutaneous model. <i>Journal of Periodontal and Implant Science</i> , 2020, 50, 327.	0.9	6
62	Different bone regeneration patterns in periimplant circumferential gap defects grafted with two types of osteoconductive biomaterial. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1202-1209.	1.6	5
63	Tissue integration of zirconia and titanium implants with and without buccal dehiscence defects. <i>Journal of Periodontal and Implant Science</i> , 2018, 48, 182.	0.9	5
64	Conflicts Between Histologic and Clinical/Radiologic Findings in Functional Endoscopic Sinus Surgery for Managing Maxillary Sinusitis Following Sinus Augmentation: Case Report. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 1247-1253.	0.6	5
65	Bone Regenerative Potential of Enamel Matrix Protein in the Circumferential Defect Around a Dental Implant. <i>Implant Dentistry</i> , 2016, 25, 179-185.	1.7	4
66	Sinus augmentation using a histone deacetylase inhibitor in a calcium sulfate carrier in rabbit: A pilot study. , 2017, 105, 1916-1923.		4
67	Effectiveness of xenogenic and synthetic bone block substitute materials with/without recombinant human bone morphogenetic protein-2: A preclinical study using a rabbit calvarium model. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1126-1136.	2.3	4
68	Effectiveness of hydraulic pressure-assisted sinus augmentation in a rabbit sinus model: a preclinical study. <i>Clinical Oral Investigations</i> , 2021, , 1.	1.4	4
69	Complication and Salvage of Sinus Floor Elevation in the Maxillary Sinus With Asymptomatic and Noncalcified Fungus Colonization: A Case Report. <i>Journal of Oral Implantology</i> , 2021, 47, 242-248.	0.4	4
70	Effect of the size of the bony access window and the collagen barrier over the window in sinus floor elevation: a preclinical investigation in a rabbit sinus model. <i>Journal of Periodontal and Implant Science</i> , 2022, 52, 325.	0.9	4
71	Application of a Collagenated Biphasic Calcium Phosphate Loaded with Fibroblast Growth Factor-2 in the Rabbit Sinus: A Pilot Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2015, 30, 1197-1204.	0.6	3
72	<i>De novo</i> bone formation underneath the sinus membrane supported by a bone patch: a pilot experiment in rabbit sinus model. <i>Clinical Oral Implants Research</i> , 2017, 28, 1175-1181.	1.9	3

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73	Comparison of the Bone Harvesting Capacity of an Intraoral Bone Harvesting Device and Three Different Implant Drills. <i>BioMed Research International</i> , 2017, 2017, 1-6.	0.9	3
74	Bone Regeneration Using N-Methyl-2-pyrrolidone as an Enhancer for Recombinant Human Bone Morphogenetic Protein-2 in a Rabbit Sinus Augmentation Model. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	3
75	Effect of Hypoxia-Inducible Factor 1 α on Early Healing in Extraction Sockets. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	3
76	Overaugmentation to compensate for postextraction ridge atrophy using a putty-type porcine bone substitute material with recombinant bone morphogenetic protein-2: 4 weeks of healing in a canine model. <i>Clinical Oral Investigations</i> , 2019, 23, 2465-2474.	1.4	3
77	Functional Endoscopic Sinus Surgery for Paranasal Sinusitis Originating From a Peri-implantitis-Triggered Infection in the Augmented Maxilla: A Case Report. <i>Journal of Oral Implantology</i> , 2020, 46, 423-429.	0.4	3
78	Removal of Inflammatory Tissue/Product by Sinus Membrane Puncturing during Lateral Sinus Augmentation in Asymptomatic Patients with Severely Opacified Sinuses: A Case Series. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11831.	1.3	3
79	A case series of profilometric changes in two implant placement protocols at periodontally compromised non-molar sites. <i>Scientific Reports</i> , 2021, 11, 1714.	1.6	2
80	Utilizing Chronic IntraSocket Granulation Tissue for Ridge Preservation: A Novel Approach. <i>Journal of Oral Implantology</i> , 2020, 46, 438-445.	0.4	2
81	Late Developed Unusual Nasal Involvement of Postoperative Maxillary Cyst Following Maxillary Sinus Augmentation: A Case Report. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10730.	1.3	2
82	Dimensional ridge changes in conjunction with four implant timing protocols and two types of soft tissue grafts: A pilot pre-clinical study. <i>Journal of Clinical Periodontology</i> , 2022, , .	2.3	2
83	Simultaneous Block Bone Grafting Using α -L-Shaped Notch-Preparation in Mandible. <i>Implant Dentistry</i> , 2015, 24, 625-630.	1.7	1
84	Preferences and flexibility in decision-making among dental clinicians regarding the treatment of multirrooted teeth: an interactive communication device-based survey at two academic conferences. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 166.	0.9	1
85	Role of PIN1 on <i>in vivo</i> periodontal tissue and <i>in vitro</i> cells. <i>Journal of Periodontal Research</i> , 2017, 52, 617-627.	1.4	1
86	Effects of a mouthwash containing potassium nitrate, sodium fluoride, and cetylpyridinium chloride on dentin hypersensitivity: a randomized, double-blind, placebo-controlled study. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 46.	0.9	1
87	Sinus augmentation using rhBMP-2-loaded synthetic bone substitute with simultaneous implant placement in rabbits. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 86.	0.9	1
88	Immediate implant placement in conjunction with guided bone regeneration and/or connective tissue grafts: an experimental study in canines. <i>Journal of Periodontal and Implant Science</i> , 2022, 51, 170-180.	0.9	1
89	Volumetric comparison of three different innovative bone collecting devices for autogenous bone grafts. <i>Quintessence International</i> , 2015, 46, 807-15.	0.3	1
90	Initial tissue response of biodegradable membrane in rat subcutaneous model. <i>The Journal of the Korean Academy of Periodontology</i> , 2007, 37, 839.	0.1	0

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91	Letter to the Editor: Re: Long-Term Results Comparing Xenogeneic Collagen Matrix and Autogenous Connective Tissue Grafts With Coronally Advanced Flaps for Treatment of Dehiscence-Type Recession Defects. <i>Journal of Periodontology</i> , 2016, 87, 1133-1133.	1.7	0
92	Ridge Preservation in the Severly Destructed Alveolar Bone: A Report of Two Cases. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , 2016, 20, 152-159.	0.3	0
93	Implant Placement in Posterior Maxilla Using Modified Lateral Approach: Case Reports. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , 2017, 21, 178-187.	0.3	0
94	Implant Placement in Posterior Maxilla Using Modified Lateral Approach: Case Reports <!--Implant Placement in Posterior Maxilla Using Modified Lateral Approach: Case Reports-->. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , 2017, 21, 178-187.	0.3	0
95	Ridge Preservation in the Severly Destructed Alveolar Bone: A Report of Two Cases. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , 2016, 20, 152-159.	0.3	0