Chang-Sung Kim

List of Publications by Citations

Source: https://exaly.com/author-pdf/9049219/chang-sung-kim-publications-by-citations.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

157 papers	3,193 citations	31 h-index	50 g-index
159 ext. papers	3,500 ext. citations	3.9 avg, IF	4.75 L-index

#	Paper	IF	Citations
157	Isolation and characterization of human periodontal ligament (PDL) stem cells (PDLSCs) from the inflamed PDL tissue: in vitro and in vivo evaluations. *Journal of Clinical Periodontology*, **2011**, 38, 721-31	7.7	185
156	Effect of microthread on the maintenance of marginal bone level: a 3-year prospective study. *Clinical Oral Implants Research*, **2007**, 18, 465-70	4.8	133
155	Maxillary sinus septa: prevalence, height, location, and morphology. A reformatted computed tomography scan analysis. *Journal of Periodontology*, **2006**, 77, 903-8	4.6	131
154	Inhibitory effects of green tea polyphenol (-)-epigallocatechin gallate on the expression of matrix metalloproteinase-9 and on the formation of osteoclasts. *Journal of Periodontal Research*, **2004**, 39, 300-7	4.3	124
153	The induction of bone formation in rat calvarial defects and subcutaneous tissues by recombinant human BMP-2, produced in Escherichia coli. *Biomaterials*, **2010**, 31, 3512-9	15.6	97
152	Periodontal repair in surgically created intrabony defects in dogs: influence of the number of bone walls on healing response. *Journal of Periodontology*, **2004**, 75, 229-35	4.6	95
151	Ectopic bone formation associated with recombinant human bone morphogenetic proteins-2 using absorbable collagen sponge and beta tricalcium phosphate as carriers. *Biomaterials*, **2005**, 26, 2501-7	15.6	94
150	Spontaneous healing capacity of rabbit cranial defects of various sizes. *Journal of Periodontal and Implant Science*, **2010**, 40, 180-7	2	92
149	Enhanced skin wound healing by a sustained release of growth factors contained in platelet-rich plasma. *Experimental and Molecular Medicine*, **2011**, 43, 622-9	12.8	84
148	Thickness of posterior palatal masticatory mucosa: the use of computerized tomography. *Journal of Periodontology*, **2008**, 79, 406-12	4.6	79
147	Effect of recombinant human bone morphogenetic protein-4 dose on bone formation in a rat calvarial defect model. *Journal of Periodontology*, **2004**, 75, 1364-70	4.6	68
146	Effects of BMP-2 and vitamin D3 on the osteogenic differentiation of adipose stem cells. *Biochemical and Biophysical Research Communications*, **2011**, 408, 126-31	3.4	60
145	The effect of a fibrin-fibronectin/beta-tricalcium phosphate/recombinant human bone morphogenetic protein-2 system on bone formation in rat calvarial defects. *Biomaterials*, **2006**, 27, 3810-6	15.6	58
144	Effects of chitosan nonwoven membrane on periodontal healing of surgically created one-wall intrabony defects in beagle dogs. *Journal of Biomedical Materials Research Part B*, **2005**, 72, 86-93		58
143	Osteoinductive activity of biphasic calcium phosphate with different rhBMP-2 doses in rats. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2012**, 113, 480-7	2	54
142	Effect of recombinant human bone morphogenetic protein-4 with carriers in rat calvarial defects. *Journal of Periodontology*, **2003**, 74, 787-97	4.6	54
141	Periodontal healing in one-wall intra-bony defects in dogs following implantation of autogenous bone or a coral-derived biomaterial. *Journal of Clinical Periodontology*, **2005**, 32, 583-9	7.7	53

140	Effect of recombinant human bone morphogenetic protein-2, -4, and -7 on bone formation in rat calvarial defects. *Journal of Periodontology*, **2005**, 76, 1667-74	4.6	44
139	Treatment of FGF-2 on stem cells from inflamed dental pulp tissue from human deciduous teeth. *Oral Diseases*, **2014**, 20, 191-204	3.5	43
138	Osteoconductivity and biodegradation of synthetic bone substitutes with different tricalcium phosphate contents in rabbits. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2014**, 102, 80-8	3.5	42
137	Effects of chitosan on human periodontal ligament fibroblasts in vitro and on bone formation in rat calvarial defects. *Journal of Periodontology*, **2005**, 76, 1526-33	4.6	42
136	Sinus augmentation using absorbable collagen sponge loaded with Escherichia coli-expressed recombinant human bone morphogenetic protein 2 in a standardized rabbit sinus model: a radiographic and histologic analysis. *Clinical Oral Implants Research*, **2012**, 23, 682-689	4.8	41
135	Volumetric bone regenerative efficacy of biphasic calcium phosphate-collagen composite block loaded with rhBMP-2 in vertical bone augmentation model of a rabbit calvarium. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3304-13	5.4	40
134	Bone formation of block and particulated biphasic calcium phosphate lyophilized with Escherichia coli-derived recombinant human bone morphogenetic protein 2 in rat calvarial defects. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics*, **2011**, 112, 298-306		40
133	Autogenous Mesenchymal Stem Cells from the Vertebral Body Enhance Intervertebral Disc Regeneration via Paracrine Interaction: An in Vitro Pilot Study. *Cell Transplantation*, **2016**, 25, 1819-1832	4	39
132	The effect of varying the particle size of beta tricalcium phosphate carrier of recombinant human bone morphogenetic protein-4 on bone formation in rat calvarial defects. *Journal of Periodontology* , **2006**, 77, 765-72	4.6	38
131	Human bone marrow stem cells cultured under hypoxic conditions present altered characteristics and enhanced in vivo tissue regeneration. *Bone*, **2015**, 78, 34-45	4.7	36
130	Effect of a fibrin-fibronectin sealing system as a carrier for recombinant human bone morphogenetic protein-4 on bone formation in rat calvarial defects. *Journal of Periodontology*, **2005**, 76, 2216-22	4.6	36
129	In vitro and in vivo characteristics of stem cells derived from the periodontal ligament of human deciduous and permanent teeth. *Tissue Engineering - Part A*, **2012**, 18, 2040-51	3.9	34
128	Anti-inflammatory effect of (-)-epigallocatechin-3-gallate on Porphyromonas gingivalis lipopolysaccharide-stimulated fibroblasts and stem cells derived from human periodontal ligament. *Journal of Periodontal and Implant Science*, **2012**, 42, 185-95	2	33
127	Long-term retrospective study of narrow implants for fixed dental prostheses. *Clinical Oral Implants Research*, **2013**, 24, 847-52	4.8	32
126	Case series of maxillary sinus augmentation with biphasic calcium phosphate: a clinical and radiographic study. *Journal of Periodontal and Implant Science*, **2011**, 41, 98-104	2	29
125	Ridge regeneration of damaged extraction sockets using rhBMP-2: an experimental study in canine. *Journal of Clinical Periodontology*, **2015**, 42, 678-87	7.7	28
124	A short-term clinical study of marginal bone level change around microthreaded and platform-switched implants. *Journal of Periodontal and Implant Science*, **2011**, 41, 211-7	2	28
123	Comparative evaluation of roughness of titanium surfaces treated by different hygiene instruments. *Journal of Periodontal and Implant Science*, **2012**, 42, 88-94	2	27

122	Comparative evaluation of three calcium phosphate synthetic block bone graft materials for bone regeneration in rabbit calvaria. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2012**, 100, 2044-52	3.5	26
121	Acquisition of human alveolar bone-derived stromal cells using minimally irrigated implant osteotomy: in vitro and in vivo evaluations. *Journal of Clinical Periodontology*, **2012**, 39, 495-505	7.7	26
120	Inhibition of cyclosporin A-induced gingival overgrowth by azithromycin through phagocytosis: an in vivo and in vitro study. *Journal of Periodontology*, **2004**, 75, 380-7	4.6	26
119	Evaluation of mandibular posterior single implants with two different surfaces: a 5-year comparative study. *Journal of Periodontology*, **2008**, 79, 1857-63	4.6	25
118	Effects of a chitosan membrane coated with polylactic and polyglycolic acid on bone regeneration in a rat calvarial defect. *Biomedical Materials (Bristol)*, **2007**, 2, S101-5	3.5	25
117	Flap extension attained by vertical and periosteal-releasing incisions: a prospective cohort study. *Clinical Oral Implants Research*, **2012**, 23, 993-8	4.8	24
116	The effects of newly formed synthetic peptide on bone regeneration in rat calvarial defects. *Journal of Periodontal and Implant Science*, **2010**, 40, 11-8	2	24
115	Periodontal tissue reaction to customized nano-hydroxyapatite block scaffold in one-wall intrabony defect: a histologic study in dogs. *Journal of Periodontal and Implant Science*, **2012**, 42, 50-8	2	23
114	The influence of perforating the autogenous block bone and the recipient bed in dogs. Part I: a radiographic analysis. *Clinical Oral Implants Research*, **2011**, 22, 1298-302	4.8	21
113	Mechanism of alveolar bone loss in a collagen-induced arthritis model in mice. *Journal of Clinical Periodontology*, **2011**, 38, 122-30	7.7	20
112	Wound healing/regeneration using recombinant human growth/differentiation factor-5 in an injectable poly-lactide-co-glycolide-acid composite carrier and a one-wall intra-bony defect model in dogs. *Journal of Clinical Periodontology*, **2011**, 38, 261-8	7.7	20
111	Healing of surgically created circumferential gap around non-submerged-type implants in dogs: a histomorphometric study. *Clinical Oral Implants Research*, **2007**, 18, 171-8	4.8	20
110	The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. *Journal of Periodontology*, **2002**, 73, 1457-66	4.6	20
109	The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by Porphyromonas gingivalis. *Journal of Periodontology*, **2002**, 73, 1126-32	4.6	19
108	Alveolar ridge regeneration of damaged extraction sockets using deproteinized porcine versus bovine bone minerals: A randomized clinical trial. *Clinical Implant Dentistry and Related Research*, **2018**, 20, 729-737	3.9	18
107	Maturation of alveolar bone following implantation of an rhGDF-5/PLGA composite into 1-wall intra-bony defects in dogs: 24-week histometric observations. *Journal of Clinical Periodontology*, **2012**, 39, 565-73	7.7	18
106	Novel application of human periodontal ligament stem cells and water-soluble chitin for collagen tissue regeneration: in vitro and in vivo investigations. *Tissue Engineering - Part A*, **2012**, 18, 643-53	3.9	18
105	A canine model for histometric evaluation of periodontal regeneration. *Periodontology 2000*, **2011**, 56, 209-26	12.9	18

104	The influence of perforating the autogenous block bone and the recipient bed in dogs. Part II: histologic analysis. *Clinical Oral Implants Research*, **2012**, 23, 987-92	4.8	17
103	Controlled delivery of low-dose bone morphogenetic protein-2 using heparin-conjugated fibrin in the posterolateral lumbar fusion of rabbits. *Artificial Organs*, **2013**, 37, 487-94	2.6	17
102	Bone formation of Escherichia coli expressed rhBMP-2 on absorbable collagen block in rat calvarial defects. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics*, **2011**, 111, 298-305		17
101	Periodontal regenerative effect of a bovine hydroxyapatite/collagen block in one-wall intrabony defects in dogs: a histometric analysis. *Journal of Periodontal and Implant Science*, **2011**, 41, 285-92	2	17
100	Resolution of surgically created three-wall intrabony defects in implants using three different biomaterials: an in vivo study. *Clinical Oral Implants Research*, **2011**, 22, 343-8	4.8	17
99	Controlled release of BMP-2 using a heparin-conjugated carrier system reduces in vivo adipose tissue formation. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 545-54	5.4	16
98	Prevalence and anatomic topography of mandibular tori: computed tomographic analysis. *Journal of Oral and Maxillofacial Surgery*, **2012**, 70, 1286-91	1.8	16
97	The effects of a bioabsorbable barrier membrane containing safflower seed extracts on periodontal healing of 1-wall intrabony defects in beagle dogs. *Journal of Periodontology*, **2005**, 76, 22-33	4.6	16
96	A simple approach to preserve keratinized mucosa around implants using a pre-fabricated implant-retained stent: a report of two cases. *Journal of Periodontal and Implant Science*, **2010**, 40, 194-200	2	15
95	Chemokine in inflamed periodontal tissues activates healthy periodontal-ligament stem cell migration. *Journal of Clinical Periodontology*, **2017**, 44, 530-539	7.7	14
94	Dose- and time-dependent effects of recombinant human bone morphogenetic protein-2 on the osteogenic and adipogenic potentials of alveolar bone-derived stromal cells. *Journal of Periodontal Research*, **2012**, 47, 645-54	4.3	14
93	Long-term results from soft and hard tissue augmentation by a modified vascularized interpositional periosteal-connective tissue technique in the maxillary anterior region. *Journal of Oral and Maxillofacial Surgery*, **2012**, 70, 484-91	1.8	14
92	Oral signs of acute leukemia for early detection. *Journal of Periodontal and Implant Science*, **2014**, 44, 293-9	2	14
91	Effect of (-)-epigallocatechin-3-gallate on maintaining the periodontal ligament cell viability of avulsed teeth: a preliminary study. *Journal of Periodontal and Implant Science*, **2011**, 41, 10-6	2	14
90	The influence of diabetes mellitus on periodontal tissues: a pilot study. *Journal of Periodontal and Implant Science*, **2010**, 40, 49-55	2	14
89	Surgical extrusion technique for clinical crown lengthening: report of three cases. *International Journal of Periodontics and Restorative Dentistry*, **2004**, 24, 412-21	2.1	14
88	The correlation between the bone probing, radiographic and histometric measurements of bone level after regenerative surgery. *Journal of Periodontal Research*, **2005**, 40, 453-60	4.3	14
87	In vivo bone formation by human alveolar-bone-derived mesenchymal stem cells obtained during implant osteotomy using biphasic calcium phosphate ceramics or Bio-Oss as carriers. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 515-24	3.5	14

86	The dynamic healing profile of human periodontal ligament stem cells: histological and immunohistochemical analysis using an ectopic transplantation model. *Journal of Periodontal Research*, **2012**, 47, 514-24	4.3	12
85	A hybrid technique for sinus floor elevation in the severely resorbed posterior maxilla. *Journal of Periodontal and Implant Science*, **2010**, 40, 76-85	2	12
84	Effects of calcium phosphate coating to SLA surface implants by the ion-beam-assisted deposition method on self-contained coronal defect healing in dogs. *Biomedical Materials (Bristol)*, **2009**, 4, 044107	3.5	12
83	Improved spinal fusion efficacy by long-term delivery of bone morphogenetic protein-2 in a rabbit model. *Monthly Notices of the Royal Astronomical Society: Letters*, **2011**, 82, 756-60	4.3	12
82	Enhancing proliferation and optimizing the culture condition for human bone marrow stromal cells using hypoxia and fibroblast growth factor-2. *Stem Cell Research*, **2018**, 28, 87-95	1.6	11
81	Reduction of Adipose Tissue Formation by the Controlled Release of BMP-2 Using a Hydroxyapatite-Coated Collagen Carrier System for Sinus-Augmentation/Extraction-Socket Grafting. *Materials*, **2015**, 8, 7634-7649	3.5	11
80	Efficient bone regeneration induced by bone morphogenetic protein-2 released from apatite-coated collagen scaffolds. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 1659-71	3.5	11
79	Lumbar posterolateral fusion using heparin-conjugated fibrin for sustained delivery of bone morphogenic protein-2 in a rabbit model. *Artificial Organs*, **2012**, 36, 629-34	2.6	11
78	Osteoconductive effects of calcium phosphate glass cement grafts in rabbit calvarial defects. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2010**, 95, 47-52	3.5	11
77	Effect of FGF-2 on collagen tissue regeneration by human vertebral bone marrow stem cells. *Stem Cells and Development*, **2015**, 24, 228-43	4.4	10
76	Synergistic Effects of a Calcium Phosphate/Fibronectin Coating on the Adhesion of Periodontal Ligament Stem Cells Onto Decellularized Dental Root Surfaces. *Cell Transplantation*, **2015**, 24, 1767-79	4	10
75	Influence of nanocoated calcium phosphate on two different types of implant surfaces in different bone environment: an animal study. *Clinical Oral Implants Research*, **2013**, 24, 1018-22	4.8	9
74	Dimensional change of the healed periosteum on surgically created defects. *Journal of Periodontal and Implant Science*, **2011**, 41, 176-84	2	9
73	Histological characteristics of newly formed cementum in surgically created one-wall intrabony defects in a canine model. *Journal of Periodontal and Implant Science*, **2010**, 40, 3-10	2	9
72	Bone regeneration capacity of two different macroporous biphasic calcium materials in rabbit calvarial defect. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 223		9
71	Effects of a tetracycline blended polylactic and polyglycolic acid membrane on the healing of one-wall intrabony defects in beagle dogs. *Biomedical Materials (Bristol)*, **2007**, 2, S106-10	3.5	9
70	Radiographic and histologic observations of sequential healing processes following ridge augmentation after tooth extraction in buccal-bone-deficient extraction sockets in beagle dogs. *Journal of Clinical Periodontology*, **2018**, 45, 1388-1397	7.7	9
69	Effect of humoral factors from hPDLSCs on the biologic activity of hABCs. *Oral Diseases*, **2012**, 18, 537-43	3.5	8

68	Bone-added osteotome sinus floor elevation with simultaneous placement of non-submerged sand blasted with large grit and acid etched implants: a 5-year radiographic evaluation. *Journal of Periodontal and Implant Science*, **2010**, 40, 69-75	2	8
67	The effect of safflower seed fraction extract on periodontal ligament fibroblast and MC3T3-E1 cell in vitro. *The Journal of the Korean Academy of Periodontology*, **2001**, 31, 833		8
66	Periodontal healing using a collagen matrix with periodontal ligament progenitor cells in a dehiscence defect model in beagle dogs. *Journal of Periodontal and Implant Science*, **2019**, 49, 215-227	2	7
65	The clinical effect of locally delivered minocycline in association with flap surgery for the treatment of chronic severe periodontitis: a split-mouth design. *Journal of Clinical Periodontology*, **2012**, 39, 753-9	7.7	7
64	Changes in periodontium after extraction of a periodontally-involved tooth in rats. *Journal of Periodontal and Implant Science*, **2012**, 42, 158-65	2	7
63	Culture on a 3,4-dihydroxy-l-phenylalanine-coated surface promotes the osteogenic differentiation of human mesenchymal stem cells. *Tissue Engineering - Part A*, **2013**, 19, 1255-63	3.9	7
62	Evaluation of different grafting materials in three-wall intra-bony defects around dental implants in beagle dogs. *Current Applied Physics*, **2005**, 5, 507-511	2.6	7
61	Histologic analysis following grafting of damaged extraction sockets using deproteinized bovine or porcine bone mineral: A randomized clinical trial. *Clinical Oral Implants Research*, **2020**, 31, 93-102	4.8	7
60	Apatite-coated collagen sponge for the delivery of bone morphogenetic protein-2 in rabbit posterolateral lumbar fusion. *Artificial Organs*, **2014**, 38, 893-9	2.6	6
59	Cumulative survival rate of Astra Tech implants: a retrospective analysis. *Journal of Periodontal and Implant Science*, **2011**, 41, 86-91	2	6
58	The biological effect of cyanoacrylate-combined calcium phosphate in rabbit calvarial defects. *Journal of Periodontal and Implant Science*, **2011**, 41, 123-30	2	6
57	Investigation of bone formation using calcium phosphate glass cement in beagle dogs. *Journal of Periodontal and Implant Science*, **2010**, 40, 125-31	2	6
56	Effect of chitosan with absorbable collagen sponge carrier on bone regeneration in rat calvarial defect model. *Current Applied Physics*, **2007**, 7, e68-e70	2.6	6
55	Characteristics of Local Delivery Agents for Treating Peri-Implantitis on Dental Implant Surfaces: A Preclinical Study. *Journal of Oral Implantology*, **2019**, 45, 116-126	1.2	6
54	Improvement in periodontal healing after periodontal surgery supported by nutritional supplement drinks. *Journal of Periodontal and Implant Science*, **2014**, 44, 109-17	2	5
53	Novel analysis model for implant osseointegration using ectopic bone formation via the recombinant human bone morphogenetic protein-2/macroporous biphasic calcium phosphate block system in rats: a proof-of-concept study. *Journal of Periodontal and Implant Science*, **2012**, 42, 136-43	2	5
52	Gingival coverage of iatrogenically denuded labial bone resulting from thermal trauma. *International Journal of Periodontics and Restorative Dentistry*, **2013**, 33, 635-9	2.1	5
51	Effect of seeding using an avidin-biotin binding system on the attachment of periodontal ligament fibroblasts to nanohydroxyapatite scaffolds: three-dimensional culture. *Journal of Periodontal and Implant Science*, **2011**, 41, 73-8	2	5

50	Differential effect of water-soluble chitin on collagen synthesis of human bone marrow stem cells and human periodontal ligament stem cells. *Tissue Engineering - Part A*, **2015**, 21, 451-62	3.9	4
49	The effects of hydroxyapatite/calcium phosphate glass scaffold and its surface modification with bovine serum albumin on 1-wall intrabony defects of beagle dogs: a preliminary study. *Biomedical Materials (Bristol)*, **2008**, 3, 044113	3.5	4
48	rhBMP-2 using biphasic calcium phosphate block as a carrier induces new bone formation in a rat subcutaneous tissue. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 355		4
47	Periodontal healing by periodontal ligament fiber with or without cells: A preclinical study of the decellularized periodontal ligament in a tooth replantation model. *Journal of Periodontology*, **2020**, 91, 110-119	4.6	4
46	Alveolar bone resorption induced by CD4+CD45RB high-density T-cell transfer in immunocompromised mice. *Journal of Periodontology*, **2014**, 85, e339-47	4.6	3
45	Simultaneous placement of an interpositional free gingival graft with nonsubmerged implant placement. *Journal of Periodontal and Implant Science*, **2014**, 44, 94-9	2	3
44	The Effect of Recombinant Human Bone Morphogenetic Protein-2/Macroporous Biphasic Calcium Phosphate Block system on Bone Formation in Rat Calvarial Defects. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 397		3
43	In Vivo Evaluation of Commercially Available Gel-Type Polyethylene Glycol Membrane for Carrier of Recombinant Human Bone Morphogenetic Protein-2. *Journal of Oral and Maxillofacial Surgery*, **2017**, 75, 297.e1-297.e13	1.8	2
42	In situ dental implant installation after decontamination in a previously peri-implant diseased site: a pilot study. *Journal of Periodontal and Implant Science*, **2012**, 42, 13-9	2	2
41	Development of the implant surgical technique and assessment rating system. *Journal of Periodontal and Implant Science*, **2012**, 42, 25-9	2	2
40	The Effects of Hydroxyapatite-Chitosan Membrane on Bone Regeneration in Rat Calvarial Defects. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 213		2
39	A cumulative survival rate of implants installed on posterior maxilla augmented using MBCP after 2 years of loading: A retrospective clinical study. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 669		2
38	The effects of noncrystalline calcium phosphate glass on the healing of 1-wall intrabony defects in beagle dogs. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 113		2
37	The prognosis of splinted restoration of the most-distal implants in the posterior region. *Journal of Advanced Prosthodontics*, **2016**, 8, 494-503	2.2	2
36	Novel Technique for Isolating Human Bone Marrow Stem Cells Using Hyaluronic Acid Hydrogel. *Tissue Engineering - Part C: Methods*, **2016**, 22, 941-951	2.9	2
35	Resonance Frequency Analysis of Tapered Implants Placed at Maxillary Posterior Sites After Lateral Sinus Augmentation: A 1.5-year Follow-Up Prospective Study. *Implant Dentistry*, **2019**, 28, 62-67	2.4	2
34	Clinical Factors and Cellular Responses of In Situ Human Alveolar Bone-Derived Mesenchymal Stromal Cells Associated With Early Periimplant Marginal Bone Loss: A Prospective Cohort Pilot Study. *Implant Dentistry*, **2019**, 28, 421-429	2.4	2
33	Development of implant loading device for animal study about various loading protocol: a pilot study. *Journal of Advanced Prosthodontics*, **2012**, 4, 227-34	2.2	1

32	The retrospective study of survival rate of implants with maxillary sinus floor elevation. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 293		1
31	The evaluation of healing patterns in surgically created circumferential gap defects around dental implants according to implant surface, defect width and defect morphology. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 385		1
30	Clinical crown lengthening procedure using surgical extrusion in esthetic region. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 557		1
29	The effects of novel biodegradable amorphous Calcium Phosphate on bone regeneration in rat calvarial defects. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 871		1
28	Long-term evaluation of implant placed in sites grafed by lateral window approach on maxillary sinus; a 10-year retrospective study. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 691		1
27	The Effects of Calcium Phosphate Glass on Mouse Calvarial Cell. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 49		1
26	Resorbability and histological reaction of bioabsorbable membranes. *The Journal of the Korean Academy of Periodontology*, **2002**, 32, 781		1
25	Evaluation of peri-implant bone density changes in Brånemark implants by computer assisted densitometric image analysis (CADIA). *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 137		1
24	Non-submerged type implant stability analysis during initial healing period by resonance frequency analysis. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 339		1
23	Alveolar ridge regeneration in two-wall-damaged extraction sockets of an in vivo experimental model. *Clinical Oral Implants Research*, **2021**, 32, 971-979	4.8	1
22	Reliability of microarray analysis for studying periodontitis: low consistency in 2 periodontitis cohort data sets from different platforms and an integrative meta-analysis. *Journal of Periodontal and Implant Science*, **2021**, 51, 18-29	2	1
21	Immediate loading protocols increase the risk of failure of implants placed by fully guided surgery in partially edentulous jaws: A randomized clinical trial. *Clinical Implant Dentistry and Related Research*, **2021**, 23, 735-744	3.9	1
20	Do periodontal defects affect periodontal inflammation and destruction? Histological/microbiological changes and gene expression profiles of a pilot study in beagle dogs. *Journal of Periodontology*, **2021**, 92, 1007-1017	4.6	0
19	Adjunctive use of metronidazole-minocycline ointment in the nonsurgical treatment of peri-implantitis: A multicenter randomized controlled trial. *Clinical Implant Dentistry and Related Research*, **2021**, 23, 543-554	3.9	0
18	A retrospective study of the dental implants placed in the controlled diabetes mellitus patients. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 311		
17	Clinical case reports of cemental tear. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 551		
16	Effects of rhBMP-2 with various carriers on bone regeneration in rat calvarial defect. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 125		
15	Effect of protein transduction domain fused-bone morphogenetic protein-2 on bone regeneration in rat calvarial defects. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 153		

14	Effect of MBCP block as carrier of rhBMP-2 in combination with ePTFE membrane on bone formation in rat calvarial defects. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 325	
13	The Analysis of Bone regenerative effect with carriers of bone morphogenetic protein in rat calvarial defects. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 733	
12	Initial tissue response of biodegradable membrane in rat subcutaneous model. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 839	
11	The analysis of short term success rate and healing patterns of Implantium Implant. *The Journal of the Korean Academy of Periodontology*, **2006**, 36, 683	
10	Morphological features of Cyclosprin A-induced gingival hyperplasia. *The Journal of the Korean Academy of Periodontology*, **2000**, 30, 609	
9	Periodontal probing on digital images compared to clinical measurements in periodontitis patients.. *Scientific Reports*, **2022**, 12, 1616	4.9
8	Histologic findings of three-wall intrabony defects around dental implants using different grafting materials in beagle dogs. *The Journal of the Korean Academy of Periodontology*, **2003**, 33, 439	
7	Retrospective analysis of frialit-2 implant system placed in maxilla. *The Journal of the Korean Academy of Periodontology*, **2005**, 35, 449	
6	A retrospective clinical study of survival rate of the ITI TE implant. *The Journal of the Korean Academy of Periodontology*, **2006**, 36, 673	
5	A Retrospective study of the type of patients, the distribution of implant and the survival rate of Xive implant. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 523	
4	A comparison of bioresorbable membranes alone or in combination with platelet-derived growth factors and insulin-like growth factors on the periodontal healing of the dehiscence defects in dogs. *The Journal of the Korean Academy of Periodontology*, **1997**, 27, 217	
3	A comparative clinical study on oxidized titanium implants and sandblasted large-grit acid etched implants in soft bone. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 205	
2	A retrospective study of survival rate of dental implants placed in osteoporosis patients. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 413	
1	Improvement of periodontal healing after periodontal surgeries supported by nutritional supplement drinks. *FASEB Journal*, **2013**, 27, 615.21	0.9