

Chang-Sung Kim

List of Publications by Citations

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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. <i>Journal of Clinical Periodontology</i> , 2011 , 38, 721-31	7.7	185
156	Effect of microthread on the maintenance of marginal bone level: a 3-year prospective study. <i>Clinical Oral Implants Research</i> , 2007 , 18, 465-70	4.8	133
155	Maxillary sinus septa: prevalence, height, location, and morphology. A reformatted computed tomography scan analysis. <i>Journal of Periodontology</i> , 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. <i>Journal of Periodontal Research</i> , 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 <i>Escherichia coli</i> . <i>Biomaterials</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Biomaterials</i> , 2005 , 26, 2501-7	15.6	94
150	Spontaneous healing capacity of rabbit cranial defects of various sizes. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 180-7	2	92
149	Enhanced skin wound healing by a sustained release of growth factors contained in platelet-rich plasma. <i>Experimental and Molecular Medicine</i> , 2011 , 43, 622-9	12.8	84
148	Thickness of posterior palatal masticatory mucosa: the use of computerized tomography. <i>Journal of Periodontology</i> , 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. <i>Journal of Periodontology</i> , 2004 , 75, 1364-70	4.6	68
146	Effects of BMP-2 and vitamin D3 on the osteogenic differentiation of adipose stem cells. <i>Biochemical and Biophysical Research Communications</i> , 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. <i>Biomaterials</i> , 2006 , 27, 3810-8	15.6	58
144	Effects of chitosan nonwoven membrane on periodontal healing of surgically created one-wall intrabony defects in beagle dogs. <i>Journal of Biomedical Materials Research Part B</i> , 2005 , 72, 86-93		58
143	Osteoinductive activity of biphasic calcium phosphate with different rhBMP-2 doses in rats. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012 , 113, 480-7	2	54
142	Effect of recombinant human bone morphogenetic protein-4 with carriers in rat calvarial defects. <i>Journal of Periodontology</i> , 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. <i>Journal of Clinical Periodontology</i> , 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. <i>Journal of Periodontology</i> , 2005 , 76, 1667-74	4.6	44
139	Treatment of FGF-2 on stem cells from inflamed dental pulp tissue from human deciduous teeth. <i>Oral Diseases</i> , 2014 , 20, 191-204	3.5	43
138	Osteoconductivity and biodegradation of synthetic bone substitutes with different tricalcium phosphate contents in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Clinical Oral Implants Research</i> , 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. <i>Journal of Biomedical Materials Research - Part A</i> , 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. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 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. <i>Cell Transplantation</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Bone</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Tissue Engineering - Part A</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 185-95	2	33
127	Long-term retrospective study of narrow implants for fixed dental prostheses. <i>Clinical Oral Implants Research</i> , 2013 , 24, 847-52	4.8	32
126	Case series of maxillary sinus augmentation with biphasic calcium phosphate: a clinical and radiographic study. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 98-104	2	29
125	Ridge regeneration of damaged extraction sockets using rhBMP-2: an experimental study in canine. <i>Journal of Clinical Periodontology</i> , 2015 , 42, 678-87	7.7	28
124	A short-term clinical study of marginal bone level change around microthreaded and platform-switched implants. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 211-7	2	28
123	Comparative evaluation of roughness of titanium surfaces treated by different hygiene instruments. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 88-94	2	27

122	Comparative evaluation of three calcium phosphate synthetic block bone graft materials for bone regeneration in rabbit calvaria. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 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. <i>Journal of Clinical Periodontology</i> , 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. <i>Journal of Periodontology</i> , 2004 , 75, 380-7	4.6	26
119	Evaluation of mandibular posterior single implants with two different surfaces: a 5-year comparative study. <i>Journal of Periodontology</i> , 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. <i>Biomedical Materials (Bristol)</i> , 2007 , 2, S101-5	3.5	25
117	Flap extension attained by vertical and periosteal-releasing incisions: a prospective cohort study. <i>Clinical Oral Implants Research</i> , 2012 , 23, 993-8	4.8	24
116	The effects of newly formed synthetic peptide on bone regeneration in rat calvarial defects. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Clinical Oral Implants Research</i> , 2011 , 22, 1298-302	4.8	21
113	Mechanism of alveolar bone loss in a collagen-induced arthritis model in mice. <i>Journal of Clinical Periodontology</i> , 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. <i>Journal of Clinical Periodontology</i> , 2011 , 38, 261-8	7.7	20
111	Healing of surgically created circumferential gap around non-submerged-type implants in dogs: a histomorphometric study. <i>Clinical Oral Implants Research</i> , 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. <i>Journal of Periodontology</i> , 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 <i>Porphyromonas gingivalis</i> . <i>Journal of Periodontology</i> , 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. <i>Clinical Implant Dentistry and Related Research</i> , 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. <i>Journal of Clinical Periodontology</i> , 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. <i>Tissue Engineering - Part A</i> , 2012 , 18, 643-53	3.9	18
105	A canine model for histometric evaluation of periodontal regeneration. <i>Periodontology 2000</i> , 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. <i>Clinical Oral Implants Research</i> , 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. <i>Artificial Organs</i> , 2013 , 37, 487-94	2.6	17
102	Bone formation of Escherichia coli expressed rhBMP-2 on absorbable collagen block in rat calvarial defects. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Clinical Oral Implants Research</i> , 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. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 545-54	5.4	16
98	Prevalence and anatomic topography of mandibular tori: computed tomographic analysis. <i>Journal of Oral and Maxillofacial Surgery</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 194-200	2.0	15
95	Chemokine in inflamed periodontal tissues activates healthy periodontal-ligament stem cell migration. <i>Journal of Clinical Periodontology</i> , 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. <i>Journal of Periodontal Research</i> , 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. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012 , 70, 484-91	1.8	14
92	Oral signs of acute leukemia for early detection. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 10-6	2	14
90	The influence of diabetes mellitus on periodontal tissues: a pilot study. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 49-55	2	14
89	Surgical extrusion technique for clinical crown lengthening: report of three cases. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2004 , 24, 412-21	2.1	14
88	The correlation between the bone probing, radiographic and histometric measurements of bone level after regenerative surgery. <i>Journal of Periodontal Research</i> , 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. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 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. <i>Journal of Periodontal Research</i> , 2012 , 47, 514-24	4.3	12
85	A hybrid technique for sinus floor elevation in the severely resorbed posterior maxilla. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 044107	3.5	12
83	Improved spinal fusion efficacy by long-term delivery of bone morphogenetic protein-2 in a rabbit model. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 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. <i>Stem Cell Research</i> , 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. <i>Materials</i> , 2015 , 8, 7634-7649	3.5	11
80	Efficient bone regeneration induced by bone morphogenetic protein-2 released from apatite-coated collagen scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 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. <i>Artificial Organs</i> , 2012 , 36, 629-34	2.6	11
78	Osteoconductive effects of calcium phosphate glass cement grafts in rabbit calvarial defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 95, 47-52	3.5	11
77	Effect of FGF-2 on collagen tissue regeneration by human vertebral bone marrow stem cells. <i>Stem Cells and Development</i> , 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. <i>Cell Transplantation</i> , 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. <i>Clinical Oral Implants Research</i> , 2013 , 24, 1018-22	4.8	9
74	Dimensional change of the healed periosteum on surgically created defects. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 176-84	2	9
73	Histological characteristics of newly formed cementum in surgically created one-wall intrabony defects in a canine model. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 3-10	2	9
72	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		9
71	Effects of a tetracycline blended polylactic and polyglycolic acid membrane on the healing of one-wall intrabony defects in beagle dogs. <i>Biomedical Materials (Bristol)</i> , 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. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 1388-1397	7.7	9
69	Effect of humoral factors from hPDLSCs on the biologic activity of hABCs. <i>Oral Diseases</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 69-75	2	8
67	The effect of safflower seed fraction extract on periodontal ligament fibroblast and MC3T3-E1 cell in vitro. <i>The Journal of the Korean Academy of Periodontology</i> , 2001 , 31, 833		8
66	Periodontal healing using a collagen matrix with periodontal ligament progenitor cells in a dehiscence defect model in beagle dogs. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Journal of Clinical Periodontology</i> , 2012 , 39, 753-9	7.7	7
64	Changes in periodontium after extraction of a periodontally-involved tooth in rats. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Tissue Engineering - Part A</i> , 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. <i>Current Applied Physics</i> , 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. <i>Clinical Oral Implants Research</i> , 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. <i>Artificial Organs</i> , 2014 , 38, 893-9	2.6	6
59	Cumulative survival rate of Astra Tech implants: a retrospective analysis. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 86-91	2	6
58	The biological effect of cyanoacrylate-combined calcium phosphate in rabbit calvarial defects. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 123-30	2	6
57	Investigation of bone formation using calcium phosphate glass cement in beagle dogs. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 125-31	2	6
56	Effect of chitosan with absorbable collagen sponge carrier on bone regeneration in rat calvarial defect model. <i>Current Applied Physics</i> , 2007 , 7, e68-e70	2.6	6
55	Characteristics of Local Delivery Agents for Treating Peri-Implantitis on Dental Implant Surfaces: A Preclinical Study. <i>Journal of Oral Implantology</i> , 2019 , 45, 116-126	1.2	6
54	Improvement in periodontal healing after periodontal surgery supported by nutritional supplement drinks. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 136-43	2	5
52	Gingival coverage of iatrogenically denuded labial bone resulting from thermal trauma. <i>International Journal of Periodontics and Restorative Dentistry</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Tissue Engineering - Part A</i> , 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. <i>Biomedical Materials (Bristol)</i> , 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. <i>The Journal of the Korean Academy of Periodontology</i> , 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. <i>Journal of Periodontology</i> , 2020 , 91, 110-119	4.6	4
46	Alveolar bone resorption induced by CD4+CD45RB high-density T-cell transfer in immunocompromised mice. <i>Journal of Periodontology</i> , 2014 , 85, e339-47	4.6	3
45	Simultaneous placement of an interpositional free gingival graft with nonsubmerged implant placement. <i>Journal of Periodontal and Implant Science</i> , 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. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 397		3
43	InVivo Evaluation of Commercially Available Gel-Type Polyethylene Glycol Membrane for Carrier of Recombinant Human Bone Morphogenetic Protein-2. <i>Journal of Oral and Maxillofacial Surgery</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 13-9	2	2
41	Development of the implant surgical technique and assessment rating system. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 25-9	2	2
40	The Effects of Hydroxyapatite-Chitosan Membrane on Bone Regeneration in Rat Calvarial Defects. <i>The Journal of the Korean Academy of Periodontology</i> , 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. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 669		2
38	The effects of noncrystalline calcium phosphate glass on the healing of 1-wall intrabony defects in beagle dogs. <i>The Journal of the Korean Academy of Periodontology</i> , 2004 , 34, 113		2
37	The prognosis of splinted restoration of the most-distal implants in the posterior region. <i>Journal of Advanced Prosthodontics</i> , 2016 , 8, 494-503	2.2	2
36	Novel Technique for Isolating Human Bone Marrow Stem Cells Using Hyaluronic Acid Hydrogel. <i>Tissue Engineering - Part C: Methods</i> , 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. <i>Implant Dentistry</i> , 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. <i>Implant Dentistry</i> , 2019 , 28, 421-429	2.4	2
33	Development of implant loading device for animal study about various loading protocol: a pilot study. <i>Journal of Advanced Prosthodontics</i> , 2012 , 4, 227-34	2.2	1

32	The retrospective study of survival rate of implants with maxillary sinus floor elevation. <i>The Journal of the Korean Academy of Periodontology</i> , 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. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 385		1
30	Clinical crown lengthening procedure using surgical extrusion in esthetic region. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 557		1
29	The effects of novel biodegradable amorphous Calcium Phosphate on bone regeneration in rat calvarial defects. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 871		1
28	Long-term evaluation of implant placed in sites grafted by lateral window approach on maxillary sinus; a 10-year retrospective study. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 691		1
27	The Effects of Calcium Phosphate Glass on Mouse Calvarial Cell. <i>The Journal of the Korean Academy of Periodontology</i> , 2004 , 34, 49		1
26	Resorbability and histological reaction of bioabsorbable membranes. <i>The Journal of the Korean Academy of Periodontology</i> , 2002 , 32, 781		1
25	Evaluation of peri-implant bone density changes in Brånemark implants by computer assisted densitometric image analysis (CADIA). <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 137		1
24	Non-submerged type implant stability analysis during initial healing period by resonance frequency analysis. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 339		1
23	Alveolar ridge regeneration in two-wall-damaged extraction sockets of an in vivo experimental model. <i>Clinical Oral Implants Research</i> , 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. <i>Journal of Periodontal and Implant Science</i> , 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. <i>Clinical Implant Dentistry and Related Research</i> , 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. <i>Journal of Periodontology</i> , 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. <i>Clinical Implant Dentistry and Related Research</i> , 2021 , 23, 543-554	3.9	0
18	A retrospective study of the dental implants placed in the controlled diabetes mellitus patients. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 311		
17	Clinical case reports of cemental tear. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 551		
16	Effects of rhBMP-2 with various carriers on bone regeneration in rat calvarial defect. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 125		
15	Effect of protein transduction domain fused-bone morphogenetic protein-2 on bone regeneration in rat calvarial defects. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 153		

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