

Jin-Woo Park

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103
papers

2,403
citations

30
h-index

47
g-index

106
ext. papers

2,673
ext. citations

4.6
avg, IF

5.01
L-index

#	Paper	IF	Citations
103	Role of subnano-, nano- and submicron-surface features on osteoblast differentiation of bone marrow mesenchymal stem cells. <i>Biomaterials</i> , 2012 , 33, 5997-6007	15.6	166
102	Enhanced osteoblast response to an equal channel angular pressing-processed pure titanium substrate with microrough surface topography. <i>Acta Biomaterialia</i> , 2009 , 5, 3272-80	10.8	129
101	Osteoblast response and osseointegration of a Ti-6Al-4V alloy implant incorporating strontium. <i>Acta Biomaterialia</i> , 2010 , 6, 2843-51	10.8	123
100	Effects of calcium ion incorporation on bone healing of Ti6Al4V alloy implants in rabbit tibiae. <i>Biomaterials</i> , 2007 , 28, 3306-13	15.6	113
99	Enhanced superplasticity utilizing dynamic globularization of Ti6Al4V alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 496, 150-158	5.3	94
98	Effects of phosphoric acid treatment of titanium surfaces on surface properties, osteoblast response and removal of torque forces. <i>Acta Biomaterialia</i> , 2010 , 6, 1661-70	10.8	91
97	Osteoblast response to magnesium ion-incorporated nanoporous titanium oxide surfaces. <i>Clinical Oral Implants Research</i> , 2010 , 21, 1278-87	4.8	89
96	Osteoconductivity of hydrophilic microstructured titanium implants with phosphate ion chemistry. <i>Acta Biomaterialia</i> , 2009 , 5, 2311-21	10.8	72
95	Modulating macrophage polarization with divalent cations in nanostructured titanium implant surfaces. <i>Nanotechnology</i> , 2016 , 27, 085101	3.4	71
94	IL-17 inhibits osteoblast differentiation and bone regeneration in rat. <i>Archives of Oral Biology</i> , 2014 , 59, 897-905	2.8	64
93	Effect of the pore structure of bioactive glass balls on biocompatibility in vitro and in vivo. <i>Acta Biomaterialia</i> , 2011 , 7, 2651-60	10.8	62
92	Extracellular RNAs in periodontopathogenic outer membrane vesicles promote TNF- α production in human macrophages and cross the blood-brain barrier in mice. <i>FASEB Journal</i> , 2019 , 33, 13412-13422	0.9	60
91	Effects of a novel calcium titanate coating on the osseointegration of blasted endosseous implants in rabbit tibiae. <i>Clinical Oral Implants Research</i> , 2007 , 18, 362-9	4.8	58
90	Osteonecrosis associated with dental implants in patients undergoing bisphosphonate treatment. <i>Clinical Oral Implants Research</i> , 2014 , 25, 632-40	4.8	56
89	Effects of calcium ion incorporation on osteoblast gene expression in MC3T3-E1 cells cultured on microstructured titanium surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 117-26	5.4	55
88	Evaluation of bone healing with eggshell-derived bone graft substitutes in rat calvaria: a pilot study. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 87, 203-14	5.4	55
87	Mechanisms and Kinetics of Static Spheroidization of Hot-Worked Ti-6Al-2Sn-4Zr-2Mo-0.1Si with a Lamellar Microstructure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 977-985	2.3	52

86	Gene expression pattern during osteogenic differentiation of human periodontal ligament cells in vitro. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 167-75	2	49
85	Enhanced osteoblast response to hydrophilic strontium and/or phosphate ions-incorporated titanium oxide surfaces. <i>Clinical Oral Implants Research</i> , 2010 , 21, 398-408	4.8	44
84	Bone formation with various bone graft substitutes in critical-sized rat calvarial defect. <i>Clinical Oral Implants Research</i> , 2009 , 20, 372-8	4.8	44
83	Enhanced osteoconductivity of micro-structured titanium implants (XiVE S CELLplus) by addition of surface calcium chemistry: a histomorphometric study in the rabbit femur. <i>Clinical Oral Implants Research</i> , 2009 , 20, 684-90	4.8	42
82	Bone healing of commercial oral implants with RGD immobilization through electrodeposited poly(ethylene glycol) in rabbit cancellous bone. <i>Acta Biomaterialia</i> , 2011 , 7, 3222-9	10.8	40
81	Positive modulation of osteogenesis- and osteoclastogenesis-related gene expression with strontium-containing microstructured Ti implants in rabbit cancellous bone. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 298-306	5.4	38
80	Healing of rabbit calvarial bone defects using biphasic calcium phosphate ceramics made of submicron-sized grains with a hierarchical pore structure. <i>Clinical Oral Implants Research</i> , 2010 , 21, 268-76	4.8	36
79	Surface Engineering of Nanostructured Titanium Implants with Bioactive Ions. <i>Journal of Dental Research</i> , 2016 , 95, 558-65	8.1	34
78	Increased new bone formation with a surface magnesium-incorporated deproteinized porcine bone substitute in rabbit calvarial defects. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 834-40	5.4	34
77	The relative effect of surface strontium chemistry and super-hydrophilicity on the early osseointegration of moderately rough titanium surface in the rabbit femur. <i>Clinical Oral Implants Research</i> , 2013 , 24, 706-9	4.8	33
76	Enhanced mechanical compatibility of submicrocrystalline Ti ₃ Nb ₃ Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 4914-4919	5.3	32
75	Osseointegration of commercial microstructured titanium implants incorporating magnesium: a histomorphometric study in rabbit cancellous bone. <i>Clinical Oral Implants Research</i> , 2012 , 23, 294-300	4.8	31
74	Surface characteristics and primary bone marrow stromal cell response of a nanostructured strontium-containing oxide layer produced on a microrough titanium surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1477-87	5.4	30
73	Analysis of gene expression during mineralization of cultured human periodontal ligament cells. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 30-43	2	30
72	Bone-added osteotome technique versus lateral approach for sinus floor elevation: a comparative radiographic study. <i>Implant Dentistry</i> , 2011 , 20, 465-70	2.4	30
71	The relative effects of Ca and Mg ions on MSC osteogenesis in the surface modification of microrough Ti implants. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5697-5711	7.3	26
70	Transcriptome sequencing of gingival biopsies from chronic periodontitis patients reveals novel gene expression and splicing patterns. <i>Human Genomics</i> , 2016 , 10, 28	6.8	24
69	Bone response to endosseous titanium implants surface-modified by blasting and chemical treatment: a histomorphometric study in the rabbit femur. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 84, 400-7	3.5	24

68	Influence of crown-to-implant ratio on periimplant marginal bone loss in the posterior region: a five-year retrospective study. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 231-6	2	22
67	Improved pre-osteoblast response and mechanical compatibility of ultrafine-grained Ti-13Nb-13Zr alloy. <i>Clinical Oral Implants Research</i> , 2011 , 22, 735-742	4.8	22
66	Unusual osteoid osteoma of the mandible: report of case and review of the literature. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013 , 116, e134-40	2	20
65	Surface structures and osteoblast response of hydrothermally produced CaTiO ₃ thin film on Ti-13Nb-13Zr alloy. <i>Applied Surface Science</i> , 2011 , 257, 7856-7863	6.7	19
64	Serotonin Inhibits Osteoblast Differentiation and Bone Regeneration in Rats. <i>Journal of Periodontology</i> , 2016 , 87, 461-9	4.6	18
63	Surface characteristics and in vitro biocompatibility of a manganese-containing titanium oxide surface. <i>Applied Surface Science</i> , 2011 , 258, 977-985	6.7	18
62	The influence of type 2 diabetes mellitus on the expression of inflammatory mediators and tissue inhibitor of metalloproteinases-2 in human chronic periodontitis. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 109-16	2	18
61	Increased bone apposition on a titanium oxide surface incorporating phosphate and strontium. <i>Clinical Oral Implants Research</i> , 2011 , 22, 230-4	4.8	18
60	Multifunctional effects of a modification of SLA titanium implant surface with strontium-containing nanostructures on immunoinflammatory and osteogenic cell function. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 3009-3020	5.4	17
59	The effects of dexamethasone on the apoptosis and osteogenic differentiation of human periodontal ligament cells. <i>Journal of Periodontal and Implant Science</i> , 2013 , 43, 168-76	2	16
58	Effects of Surface Nanotopography and Calcium Chemistry of Titanium Bone Implants on Early Blood Platelet and Macrophage Cell Function. <i>BioMed Research International</i> , 2018 , 2018, 1362958	3	14
57	Osteogenic differentiation of mesenchymal stem cells modulated by a chemically modified super-hydrophilic titanium implant surface. <i>Journal of Biomaterials Applications</i> , 2018 , 33, 205-215	2.9	13
56	Multiple simple bone cysts of the jaws: review of the literature and report of three cases. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014 , 117, e458-69	2	13
55	The expressions of inflammatory factors and tissue inhibitor of matrix metalloproteinase-2 in human chronic periodontitis with type 2 diabetes mellitus. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 33-8	2	13
54	Effects of a cell adhesion molecule coating on the blasted surface of titanium implants on bone healing in the rabbit femur. <i>International Journal of Oral and Maxillofacial Implants</i> , 2007 , 22, 533-41	2.8	13
53	Osseointegration of two different phosphate ion-containing titanium oxide surfaces in rabbit cancellous bone. <i>Clinical Oral Implants Research</i> , 2013 , 24 Suppl A100, 145-51	4.8	12
52	Esthetic treatment of gingival melanin hyperpigmentation with a Nd:YAG laser and high speed rotary instrument: comparative case report. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 201-5	2	12
51	Bone healing with oxytocin-loaded microporous β -TCP bone substitute in ectopic bone formation model and critical-sized osseous defect of rat. <i>Journal of Clinical Periodontology</i> , 2014 , 41, 181-90	7.7	11

50	The expression of a nitric oxide derivative, tissue inhibitors of metalloproteinase-3, and tissue inhibitors of metalloproteinase-4 in chronic periodontitis with type 2 diabetes mellitus. <i>Journal of Periodontal and Implant Science</i> , 2013 , 43, 87-95	2	9
49	New bone formation induced by surface strontium-modified ceramic bone graft substitute. <i>Oral Diseases</i> , 2016 , 22, 53-61	3.5	8
48	Giant plunging ranula: a case report. <i>Imaging Science in Dentistry</i> , 2013 , 43, 55-8	2.2	7
47	Analysis of Osteoblast Differentiation on Polymer Thin Films Embedded with Carbon Nanotubes. <i>PLoS ONE</i> , 2015 , 10, e0129856	3.7	6
46	MC3T3-E1 cell differentiation and in vivo bone formation induced by phosphoserine. <i>Biotechnology Letters</i> , 2011 , 33, 1473-80	3	6
45	The antiplaque and bleeding control effects of a cetylpyridinium chloride and tranexamic acid mouth rinse in patients with gingivitis. <i>Journal of Periodontal and Implant Science</i> , 2017 , 47, 134-142	2	5
44	In vitro biocompatibility of magnesium-incorporated submicro-porous titanium oxide surface produced by hydrothermal treatment. <i>Applied Surface Science</i> , 2010 , 257, 925-931	6.7	5
43	Identification of Matrix Mineralization-Related Genes in Human Periodontal Ligament Cells Using cDNA Microarray. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 447		4
42	Effects of resveratrol on bone-healing capacity in the mouse tooth extraction socket. <i>Journal of Periodontal Research</i> , 2020 , 55, 247-257	4.3	4
41	Comparative study on the cellular activities of osteoblast-like cells and new bone formation of anorganic bone mineral coated with tetra-cell adhesion molecules and synthetic cell binding peptide. <i>Journal of Periodontal and Implant Science</i> , 2011 , 41, 293-301	2	3
40	Patient compliance with supportive periodontal therapy. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 193		3
39	A comparative analysis of basic characteristics of several deproteinized bovine bone substitutes. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 149		3
38	Comparative study on the physicochemical properties and cytocompatibility of microporous biphasic calcium phosphate ceramics as a bone graft substitute. <i>The Journal of the Korean Academy of Periodontology</i> , 2006 , 36, 797		3
37	The effect of vitamin-C containing neutraceutical on periodontal wound healing as an adjunct to non-surgical or surgical periodontal treatment. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 157		2
36	The effect of dexamethasone on the gene expression of the bone matrix protein in the periodontal ligament cells. <i>The Journal of the Korean Academy of Periodontology</i> , 2002 , 32, 445		2
35	Resolvins: Potent Pain Inhibiting Lipid Mediators via Transient Receptor Potential Regulation. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 584206	5.7	2
34	Positive regulation of lipopolysaccharide-stimulated osteoblast functions by strontium modification of an SLA titanium implant surface. <i>Journal of Biomaterials Applications</i> , 2020 , 34, 802-811	2.9	2
33	PF-3845, a Fatty Acid Amide Hydrolase Inhibitor, Directly Suppresses Osteoclastogenesis through ERK and NF- κ B Pathways In Vitro and Alveolar Bone Loss In Vivo. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

32	Clinical case report on treatment of generalized aggressive periodontitis. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 249-53	2	1
31	Histomorphometric evaluation of bone healing with fully interconnected microporous biphasic calcium phosphate ceramics in rabbit calvarial defects. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 117		1
30	Stromelysin-1 and Membrane type-MMP-1 Expressions in Human Chronic Periodontitis with Type 2 Diabetes Mellitus. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 629		1
29	The Gingival Tissue Levels of Bone Resorptive Mediators in Human Chronic Periodontitis with Type 2 Diabetes Mellitus. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 743		1
28	Surgical extrusion in aesthetic area. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 287		1
27	The expressions of C-reactive protein and macrophage colony-stimulating factor in gingival tissue of human chronic periodontitis with hypertension. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 391		1
26	Enhanced osteogenic differentiation of mesenchymal stem cells by surface lithium modification in a sandblasted/acid-etched titanium implant.. <i>Journal of Biomaterials Applications</i> , 2022 , 8853282221104242	2.0	1
25	Osteogenic Differentiation of Human Mesenchymal Stem Cells Modulated by Surface Manganese Chemistry in SLA Titanium Implants.. <i>BioMed Research International</i> , 2022 , 2022, 5339090	3	0
24	Effect of rhBMP-2 on mineralization of human periodontal ligament cells under high glucose conditions in vitro. <i>International Journal of Diabetes in Developing Countries</i> , 2015 , 35, 108-114	0.8	
23	Comparison of root resection and tunnel preparation in the clinical outcome of furcation-involved mandibular molars. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 53		
22	CTG and restoration in treatment of gingival recession associated with a cervical lesion: report of three cases. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 437		
21	Case report of esthetic maxillary anterior crown lengthening. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 199		
20	Histomorphometric evaluation of bone healing with natural calcium carbonate derived bone substitutes in rat calvarial defect. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 83		
19	Evaluation of Autotransplantation. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 225		
18	Long-term radiographic evaluation of infrabony defect treated by flap operation. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 429		
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16	Long Term Clinical and Radiographical Evaluation of Tunneled Molars. <i>The Journal of the Korean Academy of Periodontology</i> , 2008 , 38, 521		
15	The Influence of Diabetes on of PGE2, MMP-14 and TIMP Expressions in Human Chronic Periodontitis. <i>The Journal of the Korean Academy of Periodontology</i> , 2007 , 37, 755		

- 14 Cellular activities of osteoblast-like cells on alkali-treated titanium surface. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 427
- 13 A Comparative Study of Gene Expression Patterns of Periodontal Ligament Cells and Gingival Fibroblasts using the cDNA Microarray. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 205
- 12 The Effects of Calcium-Phosphate Coated Xenogenic Bone and Type I Collagen for Bone Regeneration on the Calvarial Defects in Rabbits. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 223
- 11 The Effect of Negative electric field using charged PTFE membrane on Bone Healing of Rabbit Long Bone. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 551
- 10 The Effects of Alendronate on Healing of the Calvarial Defect in Rats. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 733
- 9 Retrospective Study of Success Rate of the XiVE[®] Implan: Early evaluation of clinical performance. *The Journal of the Korean Academy of Periodontology*, **2005**, 35, 65
- 8 Effects of nicotine on the attachment and proliferation of periodontal ligament cells, and reversibility of nicotine-induced cytotoxicity. *The Journal of the Korean Academy of Periodontology*, **2005**, 35, 475
- 7 Histological Observations on Bone Healing with Bioactive Glass in Horizontal Ridge Augmentation: A Report of Four Cases. *The Journal of the Korean Academy of Periodontology*, **2006**, 36, 601
- 6 Clinical evaluation of root-resected teeth clinical outcome over 2 years. *The Journal of the Korean Academy of Periodontology*, **2006**, 36, 809
- 5 Long-term radiographic evaluation of GTR treatment in intrabony defect. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 181
- 4 Histomorphometric evaluation of bone healing capacity of epigallocatechin-3-gallate-loaded β TCP bone substitute in rabbit calvarial defects. *Korean Journal of Dental Materials*, **2018**, 45, 155-168 0.3
- 3 Socket sealing using pedicle subepithelial connective tissue graft with tunneling in maxillary esthetic zone: Case reports. *Oral Biology Research*, **2018**, 42, 254-261 0
- 2 Treatment of periodontal lesion caused by palatogingival groove in maxillary lateral incisor: case reports. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 425
- 1 Long-term evaluation of autotransplanted third molars. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 431