Jin-Woo Park

List of Publications by Year
in descending order

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103 papers	2,963 citations	126708 33 h-index	174990 52 g-index
106 all docs	106 docs citations	106 times ranked	4231 citing authors

#	Article	IF	Citations
1	Role of subnano-, nano- and submicron-surface features on osteoblast differentiation of bone marrow mesenchymal stem cells. Biomaterials, 2012, 33, 5997-6007.	5.7	193
2	Enhanced osteoblast response to an equal channel angular pressing-processed pure titanium substrate with microrough surface topography. Acta Biomaterialia, 2009, 5, 3272-3280.	4.1	138
3	Extracellular RNAs in periodontopathogenic outer membrane vesicles promote TNFâ€‰± production in human macrophages and cross the bloodâ€brain barrier in mice. FASEB Journal, 2019, 33, 13412-13422.	0.2	138
4	Osteoblast response and osseointegration of a Tiâ€“6Alâ€“4V alloy implant incorporating strontium. Acta Biomaterialia, 2010, 6, 2843-2851.	4.1	136
5	Effects of calcium ion incorporation on bone healing of Ti6Al4V alloy implants in rabbit tibiae. Biomaterials, 2007, 28, 3306-3313.	5.7	129
6	Osteoblast response to magnesium ionâ€‰incorporated nanoporous titanium oxide surfaces. Clinical Oral Implants Research, 2010, 21, 1278-1287.	1.9	106
7	Enhanced superplasticity utilizing dynamic globularization of Tiâ€“6Alâ€“4V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 150-158.	2.6	103
8	Effects of phosphoric acid treatment of titanium surfaces on surface properties, osteoblast response and removal of torque forces. Acta Biomaterialia, 2010, 6, 1661-1670.	4.1	97
9	Modulating macrophage polarization with divalent cations in nanostructured titanium implant surfaces. Nanotechnology, 2016, 27, 085101.	1.3	93
10	Osteonecrosis associated with dental implants in patients undergoing bisphosphonate treatment. Clinical Oral Implants Research, 2014, 25, 632-640.	1.9	87
11	IL-17 inhibits osteoblast differentiation and bone regeneration in rat. Archives of Oral Biology, 2014, 59, 897-905.	0.8	82
12	Osteoconductivity of hydrophilic microstructured titanium implants with phosphate ion chemistry. Acta Biomaterialia, 2009, 5, 2311-2321.	4.1	81
13	Effects of a novel calcium titanate coating on the osseointegration of blasted endosseous implants in rabbit tibiae. Clinical Oral Implants Research, 2007, 18, 362-369.	1.9	66
14	Effect of the pore structure of bioactive glass balls on biocompatibility in vitro and in vivo. Acta Biomaterialia, 2011, 7, 2651-2660.	4.1	64
15	Evaluation of bone healing with eggshellâ€derived bone graft substitutes in rat calvaria: A pilot study. Journal of Biomedical Materials Research - Part A, 2008, 87A, 203-214.	2.1	63
16	Gene expression pattern during osteogenic differentiation of human periodontal ligament cells in vitro. Journal of Periodontal and Implant Science, 2011, 41, 167.	0.9	63
17	Effects of calcium ion incorporation on osteoblast gene expression in MC3T3â€E1 cells cultured on microstructured titanium surfaces. Journal of Biomedical Materials Research - Part A, 2008, 86A, 117-126.	2.1	59
18	Mechanisms and Kinetics of Static Spheroidization of Hot-Worked Ti-6Al-2Sn-4Zr-2Mo-0.1Si with a Lamellar Microstructure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 977-985.	1.1	59

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19	Enhanced osteoblast response to hydrophilic strontium and/or phosphate ionsâ€incorporated titanium oxide surfaces. Clinical Oral Implants Research, 2010, 21, 398-408.	1.9	52
20	Bone formation with various bone graft substitutes in criticalâ€sized rat calvarial defect. Clinical Oral Implants Research, 2009, 20, 372-378.	1.9	50
21	Enhanced osteoconductivity of microâ€structured titanium implants (XiVE S CELLplus^{â„¢}) by addition of surface calcium chemistry: a histomorphometric study in the rabbit femur. Clinical Oral Implants Research, 2009, 20, 684-690.	1.9	46
22	Bone healing of commercial oral implants with RGD immobilization through electrodeposited poly(ethylene glycol) in rabbit cancellous bone. Acta Biomaterialia, 2011, 7, 3222-3229.	4.1	46
23	Positive modulation of osteogenesisâ€and osteoclastogenesisâ€related gene expression with strontiumâ€containing microstructured Ti implants in rabbit cancellous bone. Journal of Biomedical Materials Research - Part A, 2013, 101A, 298-306.	2.1	43
24	Increased new bone formation with a surface magnesiumâ€incorporated deproteinized porcine bone substitute in rabbit calvarial defects. Journal of Biomedical Materials Research - Part A, 2012, 100A, 834-840.	2.1	40
25	Surface Engineering of Nanostructured Titanium Implants with Bioactive Ions. Journal of Dental Research, 2016, 95, 558-565.	2.5	40
26	Healing of rabbit calvarial bone defects using biphasic calcium phosphate ceramics made of submicronâ€sized grains with a hierarchical pore structure. Clinical Oral Implants Research, 2010, 21, 268-276.	1.9	39
27	The relative effect of surface strontium chemistry and superâ€hydrophilicity on the early osseointegration of moderately rough titanium surface in the rabbit femur. Clinical Oral Implants Research, 2013, 24, 706-709.	1.9	38
28	Transcriptome sequencing of gingival biopsies from chronic periodontitis patients reveals novel gene expression and splicing patterns. Human Genomics, 2016, 10, 28.	1.4	38
29	The relative effects of Ca and Mg ions on MSC osteogenesis in the surface modification of microrough Ti implants . International Journal of Nanomedicine, 2019, Volume 14, 5697-5711.	3.3	38
30	Surface characteristics and primary bone marrow stromal cell response of a nanostructured strontiumâ€containing oxide layer produced on a microrough titanium surface. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1477-1487.	2.1	37
31	Analysis of gene expression during mineralization of cultured human periodontal ligament cells. Journal of Periodontal and Implant Science, 2011, 41, 30.	0.9	36
32	Bone-Added Osteotome Technique Versus Lateral Approach for Sinus Floor Elevation: A Comparative Radiographic Study. Implant Dentistry, 2011, 20, 465-470.	1.7	36
33	Osseointegration of commercial microstructured titanium implants incorporating magnesium: a histomorphometric study in rabbit cancellous bone. Clinical Oral Implants Research, 2012, 23, 294-300.	1.9	35
34	Enhanced mechanical compatibility of submicrocrystalline Tiâ€“13Nbâ€“13Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4914-4919.	2.6	34
35	Multifunctional effects of a modification of SLA titanium implant surface with strontiumâ€containing nanostructures on immunoinflammatory and osteogenic cell function. Journal of Biomedical Materials Research - Part A, 2018, 106, 3009-3020.	2.1	32
36	Improved preâ€osteoblast response and mechanical compatibility of ultrafineâ€grained Tiâ€“13Nbâ€“13Zr alloy. Clinical Oral Implants Research, 2011, 22, 735-742.	1.9	28

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37	Serotonin Inhibits Osteoblast Differentiation and Bone Regeneration in Rats. Journal of Periodontology, 2016, 87, 461-469.	1.7	28
38	Influence of crown-to-implant ratio on periimplant marginal bone loss in the posterior region: a five-year retrospective study. Journal of Periodontal and Implant Science, 2012, 42, 231.	0.9	27
39	Bone response to endosseous titanium implants surface-modified by blasting and chemical treatment: A histomorphometric study in the rabbit femur. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 84B, 400-407.	1.6	26
40	Unusual osteoid osteoma of the mandible: report of case and review of the literature. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2013, 116, e134-e140.	0.2	26
41	Surface structures and osteoblast response of hydrothermally produced CaTiO3 thin film on Tiâ€“13Nbâ€“13Zr alloy. Applied Surface Science, 2011, 257, 7856-7863.	3.1	25
42	Effects of Surface Nanotopography and Calcium Chemistry of Titanium Bone Implants on Early Blood Platelet and Macrophage Cell Function. BioMed Research International, 2018, 2018, 1-10.	0.9	24
43	The influence of type 2 diabetes mellitus on the expression of inflammatory mediators and tissue inhibitor of metalloproteinases-2 in human chronic periodontitis. Journal of Periodontal and Implant Science, 2011, 41, 109.	0.9	23
44	The effects of dexamethasone on the apoptosis and osteogenic differentiation of human periodontal ligament cells. Journal of Periodontal and Implant Science, 2013, 43, 168.	0.9	22
45	Surface characteristics and in vitro biocompatibility of a manganese-containing titanium oxide surface. Applied Surface Science, 2011, 258, 977-985.	3.1	20
46	Increased bone apposition on a titanium oxide surface incorporating phosphate and strontium. Clinical Oral Implants Research, 2011, 22, 230-234.	1.9	20
47	Multiple simple bone cysts of the Jaws: Review of the literature and report of three cases. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2014, 117, e458-e469.	0.2	17
48	Osteogenic differentiation of mesenchymal stem cells modulated by a chemically modified super-hydrophilic titanium implant surface. Journal of Biomaterials Applications, 2018, 33, 205-215.	1.2	17
49	The expressions of inflammatory factors and tissue inhibitor of matrix metalloproteinase-2 in human chronic periodontitis with type 2 diabetes mellitus. Journal of Periodontal and Implant Science, 2010, 40, 33.	0.9	16
50	Bone healing with oxytocinâ€loaded microporous Î²â€<scp>TCP</scp> bone substitute in ectopic bone formation model and criticalâ€sized osseous defect of rat. Journal of Clinical Periodontology, 2014, 41, 181-190.	2.3	16
51	Esthetic treatment of gingival melanin hyperpigmentation with a Nd:YAG laser and high speed rotary instrument: comparative case report. Journal of Periodontal and Implant Science, 2010, 40, 201.	0.9	15
52	The antiplaque and bleeding control effects of a cetylpyridinium chloride and tranexamic acid mouth rinse in patients with gingivitis. Journal of Periodontal and Implant Science, 2017, 47, 134.	0.9	15
53	Resolvins: Potent Pain Inhibiting Lipid Mediators via Transient Receptor Potential Regulation. Frontiers in Cell and Developmental Biology, 2020, 8, 584206.	1.8	15
54	Giant plunging ranula: a case report. Imaging Science in Dentistry, 2013, 43, 55.	0.6	13

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55	Effects of a cell adhesion molecule coating on the blasted surface of titanium implants on bone healing in the rabbit femur. International Journal of Oral and Maxillofacial Implants, 2007, 22, 533-41.	0.6	13
56	Osseointegration of two different phosphate ionâ€containing titanium oxide surfaces in rabbit cancellous bone. Clinical Oral Implants Research, 2013, 24, 145-151.	1.9	12
57	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. Journal of Periodontal and Implant Science, 2013, 43, 87.	0.9	12
58	New bone formation induced by surface strontiumâ€modified ceramic bone graft substitute. Oral Diseases, 2016, 22, 53-61.	1.5	12
59	Effects of resveratrol on boneâ€healing capacity in the mouse tooth extraction socket. Journal of Periodontal Research, 2020, 55, 247-257.	1.4	12
60	MC3T3-E1 cell differentiation and in vivo bone formation induced by phosphoserine. Biotechnology Letters, 2011, 33, 1473-1480.	1.1	9
61	Analysis of Osteoblast Differentiation on Polymer Thin Films Embedded with Carbon Nanotubes. PLoS ONE, 2015, 10, e0129856.	1.1	9
62	PF-3845, a Fatty Acid Amide Hydrolase Inhibitor, Directly Suppresses Osteoclastogenesis through ERK and NF-ÎºB Pathways In Vitro and Alveolar Bone Loss In Vivo. International Journal of Molecular Sciences, 2021, 22, 1915.	1.8	9
63	In vitro biocompatibility of magnesium-incorporated submicro-porous titanium oxide surface produced by hydrothermal treatment. Applied Surface Science, 2010, 257, 925-931.	3.1	5
64	Comparative study on the physicochemical properties and cytocompatibility of microporous biphasic calcium phosphate ceramics as a bone graft substitute. The Journal of the Korean Academy of Periodontology, 2006, 36, 797.	0.1	4
65	Identification of Matrix Mineralization-Related Genes in Human Periodontal Ligament Cells Using cDNA Microarray. The Journal of the Korean Academy of Periodontology, 2007, 37, 447.	0.1	4
66	Patient compliance with supportive periodontal therapy. The Journal of the Korean Academy of Periodontology, 2009, 39, 193.	0.1	3
67	A comparative analysis of basic characteristics of several deproteinized bovine bone substitutes. The Journal of the Korean Academy of Periodontology, 2009, 39, 149.	0.1	3
68	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. Journal of Periodontal and Implant Science, 2011, 41, 293.	0.9	3
69	Positive regulation of Porphyromonas gingivalis lipopolysaccharide-stimulated osteoblast functions by strontium modification of an SLA titanium implant surface. Journal of Biomaterials Applications, 2020, 34, 802-811.	1.2	3
70	Osteogenic Differentiation of Human Mesenchymal Stem Cells Modulated by Surface Manganese Chemistry in SLA Titanium Implants. BioMed Research International, 2022, 2022, 1-13.	0.9	3
71	Enhanced osteogenic differentiation of mesenchymal stem cells by surface lithium modification in a sandblasted/acid-etched titanium implant. Journal of Biomaterials Applications, 2022, 37, 447-458.	1.2	3
72	Histomorphometric evaluation of bone healing with fully interconnected microporous biphasic calcium phosphate ceramics in rabbit calvarial defects. The Journal of the Korean Academy of Periodontology, 2008, 38, 117.	0.1	2

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73	Stromelysin-1 and Membrane type-MMP-1 Expressions in Human Chronic Periodontitis with Type 2 Diabetes Mellitus. The Journal of the Korean Academy of Periodontology, 2008, 38, 629.	0.1	2
74	The effect of vitamin-C containing neutraceutical on periodontal wound healing as an adjunct to non-surgical or surgical periodontal treatment. The Journal of the Korean Academy of Periodontology, 2009, 39, 157.	0.1	2
75	The effect of dexamethasone on the gene expression of the bone matrix protein in the periodontal ligament cells. The Journal of the Korean Academy of Periodontology, 2002, 32, 445.	0.1	2
76	The expressions of C-reactive protein and macrophage colony-stimulating factor in gingival tissue of human chronic periodontitis with hypertension. The Journal of the Korean Academy of Periodontology, 2009, 39, 391.	0.1	2
77	The Gingival Tissue Levels of Bone Resorptive Mediators in Human Chronic Periodontitis with Type 2 Diabetes Mellitus. The Journal of the Korean Academy of Periodontology, 2007, 37, 743.	0.1	1
78	Clinical case report on treatment of generalized aggressive periodontitis. Journal of Periodontal and Implant Science, 2010, 40, 249.	0.9	1
79	Effect of rhBMP-2 on mineralization of human periodontal ligament cells under high glucose conditions in vitro. International Journal of Diabetes in Developing Countries, 2015, 35, 108-114.	0.3	1
80	Surgical extrusion in aesthetic area. The Journal of the Korean Academy of Periodontology, 2007, 37, 287.	0.1	1
81	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.	0.1	0
82	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.	0.1	0
83	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.	0.1	0
84	The Effects of Alendronate on Healing of the Calvarial Defect in Rats. The Journal of the Korean Academy of Periodontology, 2004, 34, 733.	0.1	0
85	Retrospective Study of Success Rate of the XiVEÂ® Implan: Early evaluation of clinical performance. The Journal of the Korean Academy of Periodontology, 2005, 35, 65.	0.1	0
86	The Influence of Diabetes on of PGE₂, MMP-14 and TIMP Expressions in Human Chronic Periodontitis. The Journal of the Korean Academy of Periodontology, 2007, 37, 755.	0.1	0
87	Cellular activities of osteoblast-like cells on alkali-treated titanium surface. The Journal of the Korean Academy of Periodontology, 2007, 37, 427.	0.1	0
88	Histomorphometric evaluation of bone healing with natural calcium carbonatederived bone substitutes in rat calvarial defect. The Journal of the Korean Academy of Periodontology, 2008, 38, 83.	0.1	0
89	Evaluation of Autotransplantation. The Journal of the Korean Academy of Periodontology, 2008, 38, 225.	0.1	0
90	Long-term radiographic evaluation of infrabony defect treated by flap operation. The Journal of the Korean Academy of Periodontology, 2008, 38, 429.	0.1	0

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91	Radiographic evaluation of infra-bony defects treated by bone graft procedures. The Journal of the Korean Academy of Periodontology, 2008, 38, 437.	0.1	0
92	Long Term Clinical and Radiographical Evaluation of Tunneled Molars. The Journal of the Korean Academy of Periodontology, 2008, 38, 521.	0.1	0
93	Comparison of root resection and tunnel preparation in the clinical outcome of furcation-involved mandibular molars. The Journal of the Korean Academy of Periodontology, 2009, 39, 53.	0.1	0
94	CTG and restoration in treatment of gingival recession associated with a cervical lesion: report of three cases. The Journal of the Korean Academy of Periodontology, 2009, 39, 437.	0.1	0
95	Case report of esthetic maxillary anterior crown lengthening. The Journal of the Korean Academy of Periodontology, 2009, 39, 199.	0.1	0
96	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.	0.1	0
97	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.	0.1	0
98	Clinical evaluation of root-resected teeth clinical outcome over 2 years. The Journal of the Korean Academy of Periodontology, 2006, 36, 809.	0.1	0
99	Long-term radiographic evaluation of GTR treatment in intrabony defect. The Journal of the Korean Academy of Periodontology, 2007, 37, 181.	0.1	0
100	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.	0.1	0
101	Long-term evaluation of autotransplanted third molars. The Journal of the Korean Academy of Periodontology, 2009, 39, 431.	0.1	0
102	Histomorphometric evaluation of bone healing capacity of epigallocatechin-3-gallate-loaded Î²-TCP bone substitute in rabbit calvarial defects. Korean Journal of Dental Materials, 2018, 45, 155-168.	0.2	0
103	Socket sealing using pedicle subepithelial connective tissue graft with tunneling in maxillary esthetic zone: Case reports. Oral Biology Research, 2018, 42, 254-261.	0.0	0