

Jin-Woo Park

List of Publications by Year in Descending Order

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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.

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 | 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 |
| 102 | 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 | 2.9 | 1 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |
| 93 | Histomorphometric evaluation of bone healing capacity of epigallocatechin-3-gallate-loaded β TCP bone substitute in rabbit calvarial defects. <i>Korean Journal of Dental Materials</i> , 2018 , 45, 155-168 | 0.3 | |
| 92 | Socket sealing using pedicle subepithelial connective tissue graft with tunneling in maxillary esthetic zone: Case reports. <i>Oral Biology Research</i> , 2018 , 42, 254-261 | 0 | |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | Modulating macrophage polarization with divalent cations in nanostructured titanium implant surfaces. <i>Nanotechnology</i> , 2016 , 27, 085101 | 3.4 | 71 |
| 87 | Surface Engineering of Nanostructured Titanium Implants with Bioactive Ions. <i>Journal of Dental Research</i> , 2016 , 95, 558-65 | 8.1 | 34 |

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| 86 | Serotonin Inhibits Osteoblast Differentiation and Bone Regeneration in Rats. <i>Journal of Periodontology</i> , 2016 , 87, 461-9 | 4.6 | 18 |
| 85 | New bone formation induced by surface strontium-modified ceramic bone graft substitute. <i>Oral Diseases</i> , 2016 , 22, 53-61 | 3.5 | 8 |
| 84 | 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 | |
| 83 | Analysis of Osteoblast Differentiation on Polymer Thin Films Embedded with Carbon Nanotubes. <i>PLoS ONE</i> , 2015 , 10, e0129856 | 3.7 | 6 |
| 82 | 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 |
| 81 | 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 |
| 80 | Osteonecrosis associated with dental implants in patients undergoing bisphosphonate treatment. <i>Clinical Oral Implants Research</i> , 2014 , 25, 632-40 | 4.8 | 56 |
| 79 | IL-17 inhibits osteoblast differentiation and bone regeneration in rat. <i>Archives of Oral Biology</i> , 2014 , 59, 897-905 | 2.8 | 64 |
| 78 | 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 |
| 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 | 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 |
| 75 | 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 |
| 74 | Giant plunging ranula: a case report. <i>Imaging Science in Dentistry</i> , 2013 , 43, 55-8 | 2.2 | 7 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |

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| 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 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 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 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | MC3T3-E1 cell differentiation and in vivo bone formation induced by phosphoserine. <i>Biotechnology Letters</i> , 2011 , 33, 1473-80 | 3 | 6 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | Osteoblast response to magnesium ion-incorporated nanoporous titanium oxide surfaces. <i>Clinical Oral Implants Research</i> , 2010 , 21, 1278-87 | 4.8 | 89 |

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| 50 | 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 |
| 49 | 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 |
| 48 | Clinical case report on treatment of generalized aggressive periodontitis. <i>Journal of Periodontal and Implant Science</i> , 2010 , 40, 249-53 | 2 | 1 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Osteoblast response and osseointegration of a Ti-6Al-4V alloy implant incorporating strontium. <i>Acta Biomaterialia</i> , 2010 , 6, 2843-51 | 10.8 | 123 |
| 43 | 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 | | |
| 42 | 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 | | |
| 41 | Patient compliance with supportive periodontal therapy. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 193 | | 3 |
| 40 | The effect of vitamin-C containing nutraceutical 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 |
| 39 | Case report of esthetic maxillary anterior crown lengthening. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 199 | | |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | Osteoconductivity of hydrophilic microstructured titanium implants with phosphate ion chemistry. <i>Acta Biomaterialia</i> , 2009 , 5, 2311-21 | 10.8 | 72 |
| 34 | 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 |
| 33 | Treatment of periodontal lesion caused by palatogingival groove in maxillary lateral incisor: case reports. <i>The Journal of the Korean Academy of Periodontology</i> , 2009 , 39, 425 | | |

- 32 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 1
- 31 Long-term evaluation of autotransplanted third molars. *The Journal of the Korean Academy of Periodontology*, **2009**, 39, 431
- 30 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 1
- 29 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 1
- 28 Histomorphometric evaluation of bone healing with natural calcium carbonate-derived bone substitutes in rat calvarial defect. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 83
- 27 Evaluation of Autotransplantation. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 225
- 26 Long-term radiographic evaluation of infrabony defect treated by flap operation. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 429
- 25 Radiographic evaluation of infra-bony defects treated by bone graft procedures. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 437
- 24 Long Term Clinical and Radiographical Evaluation of Tunneled Molars. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 521
- 23 Enhanced superplasticity utilizing dynamic globularization of Ti6Al4V alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 496, 150-158 5-3 94
- 22 Effects of calcium ion incorporation on osteoblast gene expression in MC3T3-E1 cells cultured on microstructured titanium surfaces. *Journal of Biomedical Materials Research - Part A*, **2008**, 86, 117-26 5-4 55
- 21 Evaluation of bone healing with eggshell-derived bone graft substitutes in rat calvaria: a pilot study. *Journal of Biomedical Materials Research - Part A*, **2008**, 87, 203-14 5-4 55
- 20 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**, 84, 400-7 3-5 24
- 19 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 1
- 18 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
- 17 Cellular activities of osteoblast-like cells on alkali-treated titanium surface. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 427
- 16 Effects of calcium ion incorporation on bone healing of Ti6Al4V alloy implants in rabbit tibiae. *Biomaterials*, **2007**, 28, 3306-13 15.6 113
- 15 Effects of a novel calcium titanate coating on the osseointegration of blasted endosseous implants in rabbit tibiae. *Clinical Oral Implants Research*, **2007**, 18, 362-9 4.8 58

- 14 Long-term radiographic evaluation of GTR treatment in intrabony defect. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 181
- 13 Surgical extrusion in aesthetic area. *The Journal of the Korean Academy of Periodontology*, **2007**, 37, 287 1
- 12 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 4
- 11 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 2.8 13
- 10 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 3
- 9 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
- 8 Clinical evaluation of root-resected teeth clinical outcome over 2 years. *The Journal of the Korean Academy of Periodontology*, **2006**, 36, 809
- 7 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
- 6 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
- 5 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
- 4 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
- 3 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
- 2 The Effects of Alendronate on Healing of the Calvarial Defect in Rats. *The Journal of the Korean Academy of Periodontology*, **2004**, 34, 733
- 1 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 2