

# Seong Joo Heo

## List of Publications by Year in descending order

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101  
papers

2,575  
citations

218381

26  
h-index

205818

48  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical complications of implant-supported restorations with internal conical connection implants: A 14-year retrospective study. <i>Journal of Prosthetic Dentistry</i> , 2023, 129, 732-740.	1.1	11
2	Full-mouth rehabilitation of a patient with loss of posterior support and collapsed occlusion utilizing dental CAD-CAM system. <i>The Journal of Korean Academy of Prosthodontics</i> , 2022, 60, 44.	0.0	0
3	Full mouth rehabilitation of the patient with severely worn dentition and limited vertical dimension. <i>The Journal of Korean Academy of Prosthodontics</i> , 2022, 60, 91.	0.0	0
4	Accuracy of Surgical Robot System Compared to Surgical Guide for Dental Implant Placement: A Pilot Study. <i>Journal of Implantology and Applied Sciences</i> , 2022, 26, 27-38.	0.0	4
5	Clinical and radiographic evaluations of implants as surveyed crowns for Class I removable partial dentures: A retrospective study. <i>Journal of Advanced Prosthodontics</i> , 2022, 14, 108.	1.1	2
6	Effect of Indented Structures on the Retention of Cement-Retained Implant-Supported Crowns by Provisional Cement. <i>Journal of Implantology and Applied Sciences</i> , 2022, 26, 84-93.	0.0	0
7	Dimensional accuracy and surface characteristics of 3D-printed dental casts. <i>Journal of Prosthetic Dentistry</i> , 2021, 126, 427-437.	1.1	40
8	Alternative approach to salvaging an implant with a fractured screw fragment: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 18-21.	1.1	5
9	Digital duplication of provisional prosthesis to fabricate definitive prosthesis for full mouth rehabilitation using double scan technique. <i>The Journal of Korean Academy of Prosthodontics</i> , 2021, 59, 63.	0.0	7
10	Dimensional Accuracy of Dental Models for Three-Unit Prosthesis Fabricated by Various 3D Printing Technologies. <i>Materials</i> , 2021, 14, 1550.	1.3	33
11	New Rehabilitation Concept for Maxillary Edentulism: A Clinical Retrospective Study of Implant Crown Retained Removable Partial Dentures. <i>Journal of Clinical Medicine</i> , 2021, 10, 1773.	1.0	7
12	Clinical Performance of Implant Crown Retained Removable Partial Dentures for Mandibular Edentulism—A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2170.	1.0	11
13	Association of prosthetic features and peri-implantitis: A cross-sectional study. <i>Journal of Clinical Periodontology</i> , 2020, 47, 392-403.	2.3	94
14	Effects of Bonding Agents on Metal-Ceramic Bond Strength of Co-Cr Alloys Fabricated by Selective Laser Melting. <i>Materials</i> , 2020, 13, 4322.	1.3	10
15	Flexural Strength of 3D-Printing Resin Materials for Provisional Fixed Dental Prosthesis. <i>Materials</i> , 2020, 13, 3970.	1.3	56
16	Mechanical Properties and Metal-Ceramic Bond Strength of Co-Cr Alloy Manufactured by Selective Laser Melting. <i>Materials</i> , 2020, 13, 5745.	1.3	22
17	Comparison of experimental peri-implantitis models after application of ex vivo BMP2 gene therapy using periodontal ligament stem cells. <i>Scientific Reports</i> , 2020, 10, 3590.	1.6	5
18	Ovariectomy and timing of impaired maxillary alveolar bone regeneration: An experimental study in rats. <i>Journal of Periodontology</i> , 2020, 91, 1357-1366.	1.7	3

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19	Survival rate and clinical evaluation of the implants in implant assisted removable partial dentures: surveyed crown and overdenture. <i>Journal of Advanced Prosthodontics</i> , 2020, 12, 239.	1.1	17
20	Correction of Movement Error in Parallel-beam CT for Dental Implantology. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , 2020, 24, 51-61.	0.3	0
21	Effects of anaerobic sealing agents on preload maintenance of screw-retained implant prosthesis with surface of screws. <i>The Journal of Korean Academy of Prosthodontics</i> , 2020, 58, 103.	0.0	1
22	Effects of Printing Parameters on the Fit of Implant-Supported 3D Printing Resin Prosthetics. <i>Materials</i> , 2019, 12, 2533.	1.3	82
23	Inhibition of Osteoclast differentiation based on precipitation time of titanium surfaces immersed in modified simulated body fluid. <i>The Journal of Korean Academy of Prosthodontics</i> , 2019, 57, 142.	0.0	0
24	Human Stem Cell Responses and Surface Characteristics of 3D Printing Co-Cr Dental Material. <i>Materials</i> , 2019, 12, 3419.	1.3	25
25	Osteoclastogenesis Behavior of Zirconia for Dental Implant. <i>Materials</i> , 2019, 12, 732.	1.3	12
26	Prosthetic rehabilitation of soft palate resection edentulous patient with maxillary obturator. <i>The Journal of Korean Academy of Prosthodontics</i> , 2019, 57, 475.	0.0	0
27	Full mouth rehabilitation using orthodontic treatment and implants in patient with collapsed occlusion: A case report. <i>The Journal of Korean Academy of Prosthodontics</i> , 2019, 57, 439.	0.0	1
28	Comparison of CAD/CAM abutment and prefabricated abutment in Morse taper internal type implant after cyclic loading: Axial displacement, removal torque, and tensile removal force. <i>Journal of Advanced Prosthodontics</i> , 2019, 11, 305.	1.1	7
29	Characterization and Differentiation of Circulating Blood Mesenchymal Stem Cells and the Role of Phosphatidylinositol 3-Kinase in Modulating the Adhesion. <i>International Journal of Stem Cells</i> , 2019, 12, 265-278.	0.8	2
30	Immediate Implant Placement at a Periapical Lesion Site: A Case Series. <i>Journal of Oral Implantology</i> , 2018, 44, 281-286.	0.4	2
31	Comparison of implant component fractures in external and internal type: A 12-year retrospective study. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 155.	1.1	19
32	Cellular Response of Anodized Titanium Surface by Poly(Lactide-co-Glycolide)/Bone Morphogenic Protein-2. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 591-599.	1.6	7
33	Accuracy comparison of buccal bite scans by five intra-oral scanners. <i>Journal of Dental Rehabilitation and Applied Science</i> , 2018, 34, 17-31.	0.1	8
34	Marginal Accuracy and Internal Fit of 3-D Printing Laser-Sintered Co-Cr Alloy Copings. <i>Materials</i> , 2017, 10, 93.	1.3	28
35	An In Vitro Evaluation of the Loosening of Different Interchangeable Abutments in Internal-Connection Type Implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 350-355.	0.6	19
36	RPD framework fabrication using computer-aided design (CAD) and rapid prototyping. <i>The Journal of Korean Academy of Prosthodontics</i> , 2017, 55, 94.	0.0	5

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37	Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator. The Korean Academy of Oral and Maxillofacial Implantology, 2017, 21, 14-23.	0.3	2
38	Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator <!--Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator-->. The Korean Academy of Oral and Maxillofacial Implantology, 2017, 21, 14-23.	0.3	0
39	Anin vitrostudy of mesenchymal stem cell proliferation on titanium discs coated with rhTGF-β2/PLGA by electrospray. The Journal of Korean Academy of Prosthodontics, 2016, 54, 120.	0.0	1
40	Clinical evaluation of the removable partial dentures with implant fixed prostheses. The Journal of Korean Academy of Prosthodontics, 2016, 54, 239.	0.0	5
41	Prosthetic rehabilitation of marginal mandibulectomized patient using implant-supported removable partial denture. The Journal of Korean Academy of Prosthodontics, 2016, 54, 126.	0.0	0
42	Comparison of Customized Abutments Made from Titanium and a Machinable Precious Alloy. International Journal of Oral and Maxillofacial Implants, 2016, 31, 92-100.	0.6	6
43	Axial Displacement of External and Internal Implant-Abutment Connection Evaluated by Linear Mixed Model Analysis. International Journal of Oral and Maxillofacial Implants, 2015, 30, 1387-1399.	0.6	19
44	Influence of the accuracy of abutment tooth preparation on the marginal adaptation of Co-Cr alloy copings fabricated with a selective laser sintering technology. The Journal of Korean Academy of Prosthodontics, 2015, 53, 337.	0.0	2
45	Osseointegration of the titanium implant coated with rhTGF-β2/PLGA particles by electrospray: a preliminary microCT analyzing rabbit study. The Journal of Korean Academy of Prosthodontics, 2014, 52, 298.	0.0	0
46	A comparative study of gold UCLA-type and CAD/CAM titanium implant abutments. Journal of Advanced Prosthodontics, 2014, 6, 46.	1.1	10
47	A survey of the satisfaction of patients who have undergone implant surgery with and without employing a computer-guided implant surgical template. Journal of Advanced Prosthodontics, 2014, 6, 395.	1.1	19
48	Optimization of growth inducing factors for colony forming and attachment of bone marrow-derived mesenchymal stem cells regarding bioengineering application. Journal of Advanced Prosthodontics, 2014, 6, 379.	1.1	5
49	Characteristics and response of mouse bone marrow derived novel low adherent mesenchymal stem cells acquired by quantification of extracellular matrix. Journal of Advanced Prosthodontics, 2014, 6, 351.	1.1	4
50	Investigation of anodized titanium implants coated with triterpenoids extracted from black cohosh: an animal study. Journal of Advanced Prosthodontics, 2014, 6, 14.	1.1	1
51	Biofunctional porous anodized titanium implants for enhanced bone regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, 3639-3648.	2.1	43
52	Comparison of the mechanical properties and microstructures of fractured surface for Co-Cr alloy fabricated by conventional cast, 3-D printing laser-sintered and CAD/CAM milled techniques. The Journal of Korean Academy of Prosthodontics, 2014, 52, 67.	0.0	27
53	Optimizing Third Molar Autotransplantation: Applications of Reverse-Engineered Surgical Templates and Rapid Prototyping of Three-Dimensional Teeth. Journal of Oral and Maxillofacial Surgery, 2014, 72, 1653-1659.	0.5	17
54	The Effect of Abutment Screw Length on Screw Loosening in Dental Implants with External Abutment Connections After Thermocycling. International Journal of Oral and Maxillofacial Implants, 2014, 29, 59-62.	0.6	26

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55	Comparison of Five-Axis Milling and Rapid Prototyping for Implant Surgical Templates. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, 374-383.	0.6	35
56	Comparative study on stress distribution around internal tapered connection implants according to fit of cement- and screw-retained prostheses. <i>Journal of Advanced Prosthodontics</i> , 2013, 5, 312.	1.1	11
57	Effect of cyclic loading on axial displacement of abutment into implant with internal tapered connection: a pilot study. <i>The Journal of Korean Academy of Prosthodontics</i> , 2013, 51, 315.	0.0	1
58	Full mouth rehabilitation of an oligodontia patient with intellectual disability based on shortened dental arch concept: a case report. <i>The Journal of Korean Academy of Prosthodontics</i> , 2012, 50, 330.	0.0	1
59	Customized abutment and screw-type implant prostheses after cementation based on the digital intra-oral impression technique. <i>The Journal of Korean Academy of Prosthodontics</i> , 2012, 50, 67.	0.0	8
60	The relationship between implant stability quotient values and implant insertion variables: a clinical study. <i>Journal of Oral Rehabilitation</i> , 2012, 39, 151-159.	1.3	44
61	Effect of Biomimetic Deposition on Anodized Titanium Surfaces. <i>Journal of Dental Research</i> , 2011, 90, 711-716.	2.5	28
62	Surveyed restoration and RPD framework design utilizing electronic surveying. <i>The Journal of Korean Academy of Prosthodontics</i> , 2011, 49, 354.	0.0	9
63	Strain of implants depending on occlusion types in mandibular implant-supported fixed prostheses. <i>Journal of Advanced Prosthodontics</i> , 2011, 3, 1.	1.1	13
64	Wettability and cellular response of UV light irradiated anodized titanium surface. <i>Journal of Advanced Prosthodontics</i> , 2011, 3, 63.	1.1	12
65	Effect of bone-implant contact pattern on bone strain distribution: finite element method study. <i>The Journal of Korean Academy of Prosthodontics</i> , 2011, 49, 214.	0.0	0
66	Effect of bone quality and implant surgical technique on implant stability quotient (ISQ) value. <i>Journal of Advanced Prosthodontics</i> , 2011, 3, 10.	1.1	50
67	The effect of Er:YAG laser irradiation on the scanning electron microscopic structure and surface roughness of various implant surfaces: an in vitro study. <i>Lasers in Medical Science</i> , 2011, 26, 767-776.	1.0	31
68	Epithelial Thickness of the Palatal Mucosa: A Histomorphometric Study in Koreans. <i>Anatomical Record</i> , 2010, 293, 1966-1970.	0.8	9
69	A 3-year prospective radiographic evaluation of marginal bone level around different implant systems. <i>Journal of Oral Rehabilitation</i> , 2010, 37, 538-544.	1.3	49
70	Full mouth rehabilitation of partially and fully edentulous patient with crown lengthening procedure: a case report. <i>Journal of Advanced Prosthodontics</i> , 2010, 2, 50.	1.1	6
71	Post traumatic malocclusion and its prosthetic treatment. <i>Journal of Advanced Prosthodontics</i> , 2010, 2, 88.	1.1	8
72	Full mouth rehabilitation of destroyed dentition with rotational path removable partial denture: a case report. <i>Journal of Advanced Prosthodontics</i> , 2010, 2, 46.	1.1	3

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73	Accuracy of 5-axis precision milling for guided surgical template. The Journal of Korean Academy of Prosthodontics, 2010, 48, 294.	0.0	3
74	A comparison of bone bed preparation with laser and conventional drill on the relationship between implant stability quotient (ISQ) values and implant insertion variables. Journal of Advanced Prosthodontics, 2010, 2, 148.	1.1	9
75	Trend analysis of prosthodontic treatment modality between 2005 and 2008 in Seoul National University Dental Hospital. Journal of Advanced Prosthodontics, 2010, 2, 4.	1.1	0
76	Implant surface treatments affect gene expression of Runx2, osteogenic key marker. Journal of Advanced Prosthodontics, 2009, 1, 91.	1.1	6
77	Strains of abutment and bones on implant overdentures. The Journal of Korean Academy of Prosthodontics, 2009, 47, 222.	0.0	0
78	Cellular responses on anodized titanium discs after laser irradiation. Lasers in Surgery and Medicine, 2008, 40, 738-742.	1.1	15
79	The patients' satisfaction following implant treatment. The Journal of Korean Academy of Prosthodontics, 2008, 46, 569.	0.0	10
80	Micromorphometric change of TiO <sub>2</sub> implant surface conditioned with tetracycline-HCl. The Journal of the Korean Academy of Periodontology, 2007, 37, 599.	0.1	1
81	Effects of anodized oxidation or turned implants on bone healing after using conventional drilling or trabecular compaction technique: histomorphometric analysis and RFA. Clinical Oral Implants Research, 2006, 17, 644-650.	1.9	22
82	Microrough titanium surface affects biologic response in MG63 osteoblast-like cells. Journal of Biomedical Materials Research - Part A, 2006, 79A, 1023-1032.	2.1	110
83	Soft tissue responses to differential shapes of the implant abutment. The Journal of the Korean Academy of Periodontology, 2006, 36, 167.	0.1	0
84	Stress distributions in maxillary bone surrounding overdenture implants with different overdenture attachments. Journal of Oral Rehabilitation, 2005, 32, 193-205.	1.3	93
85	Effect of magnetic field on the fibronectin adsorption, cell attachment and proliferation on titanium surface. Clinical Oral Implants Research, 2005, 16, 557-562.	1.9	35
86	Effects of adhesion molecules on the behavior of osteoblast-like cells and normal human fibroblasts on different titanium surfaces. Journal of Biomedical Materials Research - Part A, 2005, 74A, 640-651.	2.1	44
87	Histological response of anodized titanium implant. The Journal of the Korean Academy of Periodontology, 2005, 35, 525.	0.1	0
88	Microarray-based expression analysis of human osteoblast-like cell response to anodized titanium surface. Biotechnology Letters, 2004, 26, 399-402.	1.1	16
89	Improved biological performance of Ti implants due to surface modification by micro-arc oxidation. Biomaterials, 2004, 25, 2867-2875.	5.7	629
90	Development and evaluation of digital subtraction radiography computer program. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2004, 98, 471-475.	1.6	6

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91	Expression and characterization of recombinant NH2-terminal cell binding fragment of vitronectin in <i>E. coli</i> . <i>Biotechnology Letters</i> , 2003, 25, 1973-1975.	1.1	2
92	Composition and Crystallization of Hydroxyapatite Coating Layer Formed by Electron Beam Deposition. <i>Journal of the American Ceramic Society</i> , 2003, 86, 186-188.	1.9	27
93	Fractal analysis of mandibular bony healing after orthognathic surgery. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2002, 94, 763-767.	1.6	61
94	Marginal accuracy and fracture strength of ceromer/fiber-reinforced composite crowns: Effect of variations in preparation design. <i>Journal of Prosthetic Dentistry</i> , 2002, 88, 388-395.	1.1	50
95	Hydroxyapatite-based composite for dental implants: Anin vivo removal torque experiment. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 714-721.	3.0	17
96	Effect of tooth brushing and thermal cycling on a surface change of ceromers finished with different methods. <i>Journal of Oral Rehabilitation</i> , 2002, 29, 816-822.	1.3	27
97	Evaluation of design parameters of osseointegrated dental implants using finite element analysis. <i>Journal of Oral Rehabilitation</i> , 2002, 29, 565-574.	1.3	210
98	Enhanced fibronectin-mediated cell adhesion of human osteoblast by fibroblast growth factor, FGF-2. <i>Biotechnology Letters</i> , 2002, 24, 1659-1663.	1.1	28
99	Tissue-engineered growth of bone by marrow cell transplantation using porous calcium metaphosphate matrices. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 54, 216-223.	3.0	93
100	A study on the mandibular movement of anterior openbite patients. <i>Journal of Oral Rehabilitation</i> , 2000, 27, 817-822.	1.3	11
101	The effect of titaniumi surface treatment on osteoblast-like cell attachment and proliferation. <i>The Journal of the Korean Academy of Periodontology</i> , 2000, 30, 491.	0.1	0