

# June-Sung Shim

## 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.

94  
papers

727  
citations

12  
h-index

25  
g-index

104  
ext. papers

1,018  
ext. citations

2.6  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
94	Accuracy of Surgical Robot System Compared to Surgical Guide for Dental Implant Placement: A Pilot Study <b>2022</b> , 26, 27-38		1
93	Influence of different postcuring parameters on mechanical properties and biocompatibility of 3D printed crown and bridge resin for temporary restorations.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 128, 105127	4.1	0
92	Evaluation of different registration methods and dental restorations on the registration duration and accuracy of cone beam computed tomography data and intraoral scans: a retrospective clinical study.. <i>Clinical Oral Investigations</i> , <b>2022</b> , 1	4.2	
91	Effects of Artificial Tooth Brushing and Hydrothermal Aging on the Mechanical Properties and Color Stability of Dental 3D Printed and CAD/CAM Materials. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
90	Evaluation of Dimensional Changes during Postcuring of a Three-Dimensionally Printed Denture Base According to the Curing Time and the Time of Removal of the Support Structure: An In Vitro Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10000	2.6	2
89	Accuracy Improvement of Intraoral Scanning and Buccal Bite Registration Using Healing Abutment as Landmarks: An In Vitro Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 318	2.6	0
88	Dental students' perceptions on a simulated practice using patient-based customised typodonts during the transition from preclinical to clinical education. <i>European Journal of Dental Education</i> , <b>2021</b> ,	2.5	2
87	Evaluation of the Trueness of Digital Implant Impressions According to the Implant Scan Body Orientation and Scanning Method. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3027	2.6	0
86	Effects of Groove Sealing of the Posterior Occlusal Surface and Offset of the Internal Surface on the Internal Fit and Accuracy of Implant Placements Using 3D-Printed Surgical Guides: An In Vitro Study. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
85	A Comparison of Accuracy of Different Dental Restorative Materials between Intraoral Scanning and Conventional Impression-Taking: An In Vitro Study. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
84	Restorative Space Analysis by Jaw Motion Tracking Using a Template in Completely Edentulous Patients. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3933	2.6	1
83	Alteration of the Occlusal Vertical Dimension for Prosthetic Restoration Using a Target Tracking System. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6196	2.6	0
82	In Vitro Comparison between Metal Sleeve-Free and Metal Sleeve-Incorporated 3D-Printed Computer-Assisted Implant Surgical Guides. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
81	Mounting casts on a mechanical articulator by using digital multisource data: A dental technique. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 41-45	4	0
80	Influence of Edentulous Conditions on Intraoral Scanning Accuracy of Virtual Interocclusal Record in Quadrant Scan. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1489	2.6	0
79	Accuracy of Implant Position Reproduction According to Exposed Length of the Scan Body during Optical Scanning: An In Vitro Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1689	2.6	0
78	Sleeve insert scan body to predict implant placement position by using implant surgical guides: A dental technique. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	1

77	Fabrication of Metal-Reinforced Complete Dentures Using the CAD-CAM Technique. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7369	2.6	0
76	Effect of Pressure and Particle Size During Aluminum Oxide Air Abrasion on the Flexural Strength of Disperse-Filled Composite and Polymer-Infiltrated Ceramic Network Materials. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
75	Transfer Learning via Deep Neural Networks for Implant Fixture System Classification Using Periapical Radiographs. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	28
74	Dental students' clinical confidence in denture treatment after clinical experiences. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2020</b> , 58, 185	0.2	
73	Abutment-Level Digital Impression Using Abutment Matching Algorithm, And Insurance-Covered Implant Prosthesis By Metal 3D Printing: A Case Report. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , <b>2020</b> , 24, 137-147	0.3	
72	Comparison between Occlusal Errors of Single Posterior Crowns Adjusted Using Patient Specific Motion or Conventional Methods. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9140	2.6	0
71	Effects of Post-Curing Time on the Mechanical and Color Properties of Three-Dimensional Printed Crown and Bridge Materials. <i>Polymers</i> , <b>2020</b> , 12,	4.5	30
70	Evaluation of the Color Stability of 3D-Printed Crown and Bridge Materials against Various Sources of Discoloration: An In Vitro Study. <i>Materials</i> , <b>2020</b> , 13,	3.5	8
69	Evaluation of the 3D Printing Accuracy of a Dental Model According to Its Internal Structure and Cross-Arch Plate Design: An In Vitro Study. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
68	Digital approach for production of interim implant-supported fixed restoration with a prefabricated implant component library. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 123, 384-388	4	
67	A generation process for a three-dimensional digital cast that simulates the oral cavity by using an existing maxillary obturator. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 123, 531-534	4	1
66	Optical Impression in Restorative Dentistry <b>2019</b> ,		3
65	The use of implant surveyed fixed prosthesis for removable partial denture with a few unilateral remaining teeth: A case report. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2019</b> , 57, 254	0.2	1
64	Assessment of metal sleeve-free 3D-printed implant surgical guides. <i>Dental Materials</i> , <b>2019</b> , 35, 468-476	5.7	17
63	The Impact of Metal Artifacts Within Cone Beam Computed Tomography Data on the Accuracy of Computer-Based Implant Surgery: An In Vitro Study. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2019</b> , 34, 585-594	2.8	5
62	Measuring the Complete-arch Distortion of an Optical Dental Impression. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	3
61	Interalveolar ridge crest relation analysis and rehabilitation of edentulous patient using dental CAD software: A case report. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2019</b> , 57, 31	0.2	
60	A digital approach to dynamic jaw tracking using a target tracking system and a structured-light three-dimensional scanner. <i>Journal of Prosthodontic Research</i> , <b>2019</b> , 63, 115-119	4.3	7

59	Digital workflow to provide an immediate interim restoration after single-implant placement by using a surgical guide and a matrix-positioning device. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 17-21	4	9
58	Accuracy of Scanned Stock Abutments Using Different Intraoral Scanners: An In Vitro Study. <i>Journal of Prosthodontics</i> , <b>2019</b> , 28, 797-803	3.9	7
57	Use of Model-Free and Zero-Setup ComputerGuided Implant Surgical Template for Partial Edentulous Cases. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , <b>2019</b> , 23, 220-228	0.3	1
56	A new minimally invasive guided endodontic microsurgery by cone beam computed tomography and 3-dimensional printing technology. <i>Restorative Dentistry &amp; Endodontics</i> , <b>2019</b> , 44, e29	1.5	4
55	Rehabilitation with implant-supported fixed dental prostheses using digital duplication technique on customized artificial tooth, interim denture and implant surgical template: A case report. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2019</b> , 57, 397	0.2	1
54	A digital implant custom tray fabrication method using the design process for simulating the position of the impression copings and 3D printing technology. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 566-570	4	3
53	Computer-based implant planning involving a prefabricated custom tray with alumina landmark structures. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 373-377	4	0
52	Complete assessment of occlusal dynamics and establishment of a digital workflow by using target tracking with a three-dimensional facial scanner. <i>Journal of Prosthodontic Research</i> , <b>2019</b> , 63, 120-124	4.3	11
51	Enamel wear and aging of translucent zirconias: In vitro and clinical studies. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 417-425	4	9
50	Integration of intraoral digital scans with a 3D facial scan for anterior tooth rehabilitation. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 394-397	4	14
49	Accuracy of 9 intraoral scanners for complete-arch image acquisition: A qualitative and quantitative evaluation. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 120, 895-903.e1	4	62
48	Review of Computer-assisted Implant Surgeries: Navigation Surgery System vs. Computer-guided Implant Template vs. Robot. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , <b>2018</b> , 22, 50-58	0.3	
47	Review of Computer-assisted Implant Surgeries: Navigation Surgery System vs. Computer-guided Implant Template vs. Robot. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , <b>2018</b> , 22, 50-58	0.3	6
46	Placement of a Retro-fitted Single Crown Restoration Under an Existing Denture by Employing Digital Technology: A Case Report. <i>The Korean Academy of Oral and Maxillofacial Implantology</i> , <b>2018</b> , 22, 100-105	0.3	
45	The role of rhFGF-2 soaked polymer membrane for enhancement of guided bone regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2018</b> , 29, 825-843	3.5	6
44	Effect of the number of splinted abutments on the accuracy of zirconia copings. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 120, 790.e1-790.e7	4	1
43	Simplified digital workflow for dental implant restoration on a stock abutment using an intraoral scanner: A dental technique. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 118, 268-272	4	1
42	Effects of artificial aging on the biaxial flexural strength of Ce-TZP/Al <sub>2</sub> O <sub>3</sub> and Y-TZP after various occlusal adjustments. <i>Ceramics International</i> , <b>2017</b> , 43, 9951-9959	5.1	7

41	Effect of zirconia surface treatment using nitric acid-hydrofluoric acid on the shear bond strengths of resin cements. <i>Journal of Advanced Prosthodontics</i> , <b>2017</b> , 9, 77-84	2.2	11
40	Effect of air-particle pressures on the surface topography and bond strengths of resin cement to the hybrid ceramics. <i>Dental Materials Journal</i> , <b>2017</b> , 36, 454-460	2.5	9
39	Comparison of shearbond strength between metal and indirect resin according to the different conditionings. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2017</b> , 55, 264	0.2	1
38	Digital workflow for a dental prosthesis that considers lateral mandibular relation. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 340-344	4	5
37	Accuracy of intraoral digital impressions using an artificial landmark. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 755-761	4	7 <sup>1</sup>
36	Recording the trajectory of mouth opening and closing for the fabrication of an occlusal splint. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 597-600	4	3
35	Computer-guided implant planning using a preexisting removable partial dental prosthesis. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 13-17	4	1
34	Fabrication of a complete, removable dental prosthesis from a digital intraoral impression for a patient with an excessively tight reconstructed lip after oral cancer treatment: A clinical report. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 205-208	4	9
33	The effect of different cooling rates and coping thicknesses on the failure load of zirconia-ceramic crowns after fatigue loading. <i>Journal of Advanced Prosthodontics</i> , <b>2017</b> , 9, 152-158	2.2	7
32	Effects of grooved abutment on stability of implant abutment screw. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2016</b> , 54, 387	0.2	
31	Postoperative irradiation after implant placement: A pilot study for prosthetic reconstruction. <i>Journal of Advanced Prosthodontics</i> , <b>2016</b> , 8, 363-371	2.2	4
30	Effect of Surface Treatment on Shear Bond Strength between Resin Cement and Ce-TZP/Al <sub>2</sub> O <sub>3</sub> . <i>BioMed Research International</i> , <b>2016</b> , 2016, 7576942	3	3
29	Co-delivery of platelet-derived growth factor (PDGF-BB) and bone morphogenic protein (BMP-2) coated onto heparinized titanium for improving osteoblast function and osteointegration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, E219-28	4.4	32
28	Comparative study of recombinant human bone morphogenetic protein-2 carriers in rat subcutaneous tissues: Pilot study. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 12, 138-146	4.5	1
27	The Evaluation of Osseointegration of Dental Implant Surface with Different Size of TiO <sub>2</sub> Nanotube in Rats. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-11	3.2	11
26	Osseointegration of Implants Surface-Treated with Various Diameters of TiO <sub>2</sub> Nanotubes in Rabbit. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-11	3.2	9
25	A three-dimensional finite element analysis of short dental implants in the posterior maxilla. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2014</b> , 29, e155-64	2.8	14
24	Analysis of stress distribution of tooth restored with metal-ceramic crown covering abfraction lesion according to its finish line location under occlusal load. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2014</b> , 52, 305	0.2	

23	Changes in the cutting efficiency of different types of dental diamond rotary instrument with repeated cuts and disinfection. <i>Journal of Prosthetic Dentistry</i> , <b>2014</b> , 111, 64-70	4	7
22	The effect of anodized implants coated with combined rhBMP-2 and recombinant human vascular endothelial growth factors on vertical bone regeneration in the marginal portion of the peri-implant. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2013</b> , 115, e24-31	2	19
21	Development of implant loading device for animal study about various loading protocol: a pilot study. <i>Journal of Advanced Prosthodontics</i> , <b>2012</b> , 4, 227-34	2.2	1
20	Comparison of removal torque between prefabricated and customized abutment screw. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2012</b> , 50, 243	0.2	3
19	Effect of universal primer on shear bond strength between resin cement and restorative materials. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2012</b> , 50, 112	0.2	1
18	Effect of loading time on the survival rate of anodic oxidized implants: prospective multicenter study. <i>Journal of Advanced Prosthodontics</i> , <b>2012</b> , 4, 18-23	2.2	4
17	Effect of using a titanium washer on the removal torque of an abutment screw in the external connection type of dental implant. <i>Implant Dentistry</i> , <b>2012</b> , 21, 156-9	2.4	1
16	Influence of cement thickness on resin-zirconia microtensile bond strength. <i>Journal of Advanced Prosthodontics</i> , <b>2011</b> , 3, 119-25	2.2	11
15	Effects of the immobilization of heparin and rhPDGF-BB to titanium surfaces for the enhancement of osteoblastic functions and anti-inflammation. <i>Journal of Advanced Prosthodontics</i> , <b>2011</b> , 3, 152-60	2.2	12
14	Cumulative survival rate of Astra Tech implants: a retrospective analysis. <i>Journal of Periodontal and Implant Science</i> , <b>2011</b> , 41, 86-91	2	6
13	Analysis of the anatomy of the maxillary sinus septum using 3-dimensional computed tomography. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2011</b> , 69, 1070-8	1.8	51
12	Marginal fidelity of zirconia core using MAD/MAM system. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2010</b> , 48, 1	0.2	4
11	Evaluation of changes in adhesive strength and cytotoxicity of a denture adhesive according to time. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2009</b> , 47, 232	0.2	
10	Comparison of the degree of conversion of light-cured resin cement in regard to porcelain laminate thickness, light source and curing time using FT-IR. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2009</b> , 47, 416	0.2	0
9	The level of buccal gingival margin around single and two adjacent implant restorations: a preliminary result. <i>Journal of Advanced Prosthodontics</i> , <b>2009</b> , 1, 140-4	2.2	1
8	Changes of the surface roughness depending on immersion time and powder/liquid ratio of various tissue conditioners. <i>The Journal of Korean Academy of Prosthodontics</i> , <b>2009</b> , 47, 108	0.2	
7	The effect of several dentin desensitizers on shear bond strength of adhesive resin luting cement using self-etching primer. <i>Journal of Dentistry</i> , <b>2008</b> , 36, 1025-32	4.8	26
6	Effects of different depths of gap on healing of surgically created coronal defects around implants in dogs: a pilot study. <i>Journal of Periodontology</i> , <b>2008</b> , 79, 355-61	4.6	10

- 5 Multilateral analysis of Renova□ implant placement and its Survival rate. *The Journal of the Korean Academy of Periodontology*, **2008**, 38, 413
- 4 The influence of ceramic surface treatments on the tensile bond strength of composite resin to all-ceramic coping materials. *Journal of Prosthetic Dentistry*, **2005**, 94, 357-62 4 107
- 3 Effect of water content on the mechanical strength of dental porcelain. *Journal of Non-Crystalline Solids*, **2004**, 349, 200-204 3.9 2
- 2 Removal Torque and Histometric Evaluations of Implants with Various Area of Hydroxyapatite Coating Placed in the Rabbit Tibia. *The Journal of the Korean Academy of Periodontology*, **2003**, 33, 625
- 1 Histologic findings of three-wall intrabony defects around dental implants using different grafting materials in beagle dogs. *The Journal of the Korean Academy of Periodontology*, **2003**, 33, 439