

# June-Sung Shim

## List of Publications by Year in descending order

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Version: 2024-02-01

103  
papers

1,395  
citations

430754

18  
h-index

377752

34  
g-index

104  
all docs

104  
docs citations

104  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of ceramic surface treatments on the tensile bond strength of composite resin to all-ceramic coping materials. <i>Journal of Prosthetic Dentistry</i> , 2005, 94, 357-362.	1.1	136
2	Accuracy of intraoral digital impressions using an artificial landmark. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 755-761.	1.1	126
3	Accuracy of 9 intraoral scanners for complete-arch image acquisition: A qualitative and quantitative evaluation. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 895-903.e1.	1.1	111
4	Effects of Post-Curing Time on the Mechanical and Color Properties of Three-Dimensional Printed Crown and Bridge Materials. <i>Polymers</i> , 2020, 12, 2762.	2.0	101
5	Analysis of the Anatomy of the Maxillary Sinus Septum Using 3-Dimensional Computed Tomography. <i>Journal of Oral and Maxillofacial Surgery</i> , 2011, 69, 1070-1078.	0.5	67
6	Transfer Learning via Deep Neural Networks for Implant Fixture System Classification Using Periapical Radiographs. <i>Journal of Clinical Medicine</i> , 2020, 9, 1117.	1.0	62
7	Evaluation of the Color Stability of 3D-Printed Crown and Bridge Materials against Various Sources of Discoloration: An In Vitro Study. <i>Materials</i> , 2020, 13, 5359.	1.3	42
8	Co-delivery of platelet-derived growth factor (PDGF-BB) and bone morphogenetic protein (BMP-2) coated onto heparinized titanium for improving osteoblast function and osteointegration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, E219-E228.	1.3	37
9	Assessment of metal sleeve-free 3D-printed implant surgical guides. <i>Dental Materials</i> , 2019, 35, 468-476.	1.6	36
10	The effect of several dentin desensitizers on shear bond strength of adhesive resin luting cement using self-etching primer. <i>Journal of Dentistry</i> , 2008, 36, 1025-1032.	1.7	33
11	Effect of zirconia surface treatment using nitric acid-hydrofluoric acid on the shear bond strengths of resin cements. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 77.	1.1	27
12	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> , 2019, 63, 115-119.	1.1	27
13	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> , 2013, 115, e24-e31.	0.2	25
14	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> , 2019, 63, 120-124.	1.1	23
15	Integration of intraoral digital scans with a 3D facial scan for anterior tooth rehabilitation. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 394-397.	1.1	23
16	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> , 2021, 14, 6207.	1.3	23
17	A Comparison of Accuracy of Different Dental Restorative Materials between Intraoral Scanning and Conventional Impression-Taking: An In Vitro Study. <i>Materials</i> , 2021, 14, 2060.	1.3	22
18	A Three-Dimensional Finite Element Analysis of Short Dental Implants in the Posterior Maxilla. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, e155-e164.	0.6	20

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19	In Vitro Comparison between Metal Sleeve-Free and Metal Sleeve-Incorporated 3D-Printed Computer-Assisted Implant Surgical Guides. <i>Materials</i> , 2021, 14, 615.	1.3	19
20	Effect of air-particle pressures on the surface topography and bond strengths of resin cement to the hybrid ceramics. <i>Dental Materials Journal</i> , 2017, 36, 454-460.	0.8	18
21	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> , 2020, 13, 5433.	1.3	18
22	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> , 2019, 121, 17-21.	1.1	17
23	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> , 2017, 117, 205-208.	1.1	16
24	A new minimally invasive guided endodontic microsurgery by cone beam computed tomography and 3-dimensional printing technology. <i>Restorative Dentistry &amp; Endodontics</i> , 2019, 44, e29.	0.6	16
25	Enamel wear and aging of translucent zirconias: In Vitro and clinical studies. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 417-425.	1.1	16
26	Influence of cement thickness on resin-zirconia microtensile bond strength. <i>Journal of Advanced Prosthodontics</i> , 2011, 3, 119.	1.1	15
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> , 2015, 2015, 1-11.	1.5	15
28	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> , 2022, 128, 105127.	1.5	15
29	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> , 2011, 3, 152.	1.1	13
30	Accuracy of Scanned Stock Abutments Using Different Intraoral Scanners: An In Vitro Study. <i>Journal of Prosthodontics</i> , 2019, 28, 797-803.	1.7	13
31	Changes in the cutting efficiency of different types of dental diamond rotary instrument with repeated cuts and disinfection. <i>Journal of Prosthetic Dentistry</i> , 2014, 111, 64-70.	1.1	12
32	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> , 2008, 79, 355-361.	1.7	11
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> , 2017, 9, 152.	1.1	11
34	Osseointegration of Implants Surface-Treated with Various Diameters of TiO <sub>2</sub> Nanotubes in Rabbit. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-11.	1.5	10
35	Cumulative survival rate of Astra Tech implants: a retrospective analysis. <i>Journal of Periodontal and Implant Science</i> , 2011, 41, 86.	0.9	9
36	Evaluation of Dimensional Changes According to Aging Period and Postcuring Time of 3D-Printed Denture Base Prostheses: An In Vitro Study. <i>Materials</i> , 2021, 14, 6185.	1.3	9

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37	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> , 2017, 43, 9951-9959.	2.3	8
38	The role of rhFGF-2 soaked polymer membrane for enhancement of guided bone regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 825-843.	1.9	8
39	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> , 2021, 13, 1236.	2.0	8
40	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> , 2021, 11, 10000.	1.3	8
41	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> , 2019, 34, 585-594.	0.6	7
42	Influence of Edentulous Conditions on Intraoral Scanning Accuracy of Virtual Interocclusal Record in Quadrant Scan. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1489.	1.3	7
43	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> , 2022, 26, 55-65.	1.0	7
44	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> , 2018, 22, 50-58.	0.3	7
45	Digital workflow for a dental prosthesis that considers lateral mandibular relation. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 340-344.	1.1	6
46	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> , 2019, 121, 566-570.	1.1	6
47	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> , 2020, 12, 1396.	2.0	6
48	Postoperative irradiation after implant placement: A pilot study for prosthetic reconstruction. <i>Journal of Advanced Prosthodontics</i> , 2016, 8, 363.	1.1	5
49	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> , 2016, 2016, 1-7.	0.9	5
50	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> , 2020, 123, 531-534.	1.1	5
51	Comparison between Occlusal Errors of Single Posterior Crowns Adjusted Using Patient Specific Motion or Conventional Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9140.	1.3	5
52	Evaluating the Three-Dimensional Printing Accuracy of Partial-Arch Models According to Outer Wall Thickness: An In Vitro Study. <i>Materials</i> , 2021, 14, 6734.	1.3	5
53	Effects of postpolymerization conditions on the physical properties, cytotoxicity, and dimensional accuracy of a 3D-printed dental restorative material. <i>Journal of Prosthetic Dentistry</i> , 2022, , .	1.1	5
54	A Digital Workflow for the Fabrication of a Milled Removable Partial Denture. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8540.	1.2	5

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55	Marginal fidelity of zirconia core using MAD/MAM system. The Journal of Korean Academy of Prosthodontics, 2010, 48, 1.	0.0	4
56	Comparison of removal torque between prefabricated and customized abutment screw. The Journal of Korean Academy of Prosthodontics, 2012, 50, 243.	0.0	4
57	Effect of loading time on the survival rate of anodic oxidized implants: prospective multicenter study. Journal of Advanced Prosthodontics, 2012, 4, 18.	1.1	4
58	Recording the trajectory of mouth opening and closing for the fabrication of an occlusal splint. Journal of Prosthetic Dentistry, 2017, 117, 597-600.	1.1	4
59	Optical Impression in Restorative Dentistry. , 2019, , .		4
60	Measuring the Complete-arch Distortion of an Optical Dental Impression. Journal of Visualized Experiments, 2019, , .	0.2	4
61	Sleeve insert scan body to predict implant placement position by using implant surgical guides: A dental technique. Journal of Prosthetic Dentistry, 2022, 127, 827-831.	1.1	4
62	Accuracy of Surgical Robot System Compared to Surgical Guide for Dental Implant Placement: A Pilot Study. Journal of Implantology and Applied Sciences, 2022, 26, 27-38.	0.0	4
63	Effects of heat-treatment methods on cytocompatibility and mechanical properties of dental products 3D-printed using photopolymerized resin. Journal of Prosthodontic Research, 2023, 67, 121-131.	1.1	4
64	Simplified digital workflow for dental implant restoration on a stock abutment using an intraoral scanner: A dental technique. Journal of Prosthetic Dentistry, 2017, 118, 268-272.	1.1	3
65	Mounting casts on a mechanical articulator by using digital multisource data: A dental technique. Journal of Prosthetic Dentistry, 2021, 125, 41-45.	1.1	3
66	Evaluation of the Trueness of Digital Implant Impressions According to the Implant Scan Body Orientation and Scanning Method. Applied Sciences (Switzerland), 2021, 11, 3027.	1.3	3
67	Alteration of the Occlusal Vertical Dimension for Prosthetic Restoration Using a Target Tracking System. Applied Sciences (Switzerland), 2021, 11, 6196.	1.3	3
68	Accuracy Improvement of Intraoral Scanning and Buccal Bite Registration Using Healing Abutment as Landmarks: An In Vitro Study. Applied Sciences (Switzerland), 2021, 11, 318.	1.3	3
69	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. Clinical Oral Investigations, 2022, 26, 5763-5771.	1.4	3
70	Effect of water content on the mechanical strength of dental porcelain. Journal of Non-Crystalline Solids, 2004, 349, 200-204.	1.5	2
71	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. The Journal of Korean Academy of Prosthodontics, 2009, 47, 416.	0.0	2
72	Comparative study of recombinant human bone morphogenetic protein-2 carriers in rat subcutaneous tissues: Pilot study. Tissue Engineering and Regenerative Medicine, 2015, 12, 138-146.	1.6	2

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73	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> , 2019, 57, 254.	0.0	2
74	Computer-based implant planning involving a prefabricated custom tray with alumina landmark structures. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 373-377.	1.1	2
75	In Vivo Study for Clinical Application of Dental Stem Cell Therapy Incorporated with Dental Titanium Implants. <i>Materials</i> , 2021, 14, 381.	1.3	2
76	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> , 2021, 11, 1689.	1.3	2
77	Restorative Space Analysis by Jaw Motion Tracking Using a Template in Completely Edentulous Patients. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3933.	1.3	2
78	Effect of Acid Mixtures on Surface Properties and Biaxial Flexural Strength of As-Sintered and Air-Abraded Zirconia. <i>Materials</i> , 2021, 14, 2359.	1.3	2
79	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> , 2019, 23, 220-228.	0.3	2
80	The level of buccal gingival margin around single and two adjacent implant restorations: a preliminary result. <i>Journal of Advanced Prosthodontics</i> , 2009, 1, 140.	1.1	1
81	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> , 2012, 21, 156-159.	1.7	1
82	Development of implant loading device for animal study about various loading protocol: a pilot study. <i>Journal of Advanced Prosthodontics</i> , 2012, 4, 227.	1.1	1
83	Effect of universal primer on shear bond strength between resin cement and restorative materials. <i>The Journal of Korean Academy of Prosthodontics</i> , 2012, 50, 112.	0.0	1
84	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> , 2014, 52, 305.	0.0	1
85	Computer-guided implant planning using a preexisting removable partial dental prosthesis. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 13-17.	1.1	1
86	Comparison of shearbond strength between metal and indirect resin according to the different conditionings. <i>The Journal of Korean Academy of Prosthodontics</i> , 2017, 55, 264.	0.0	1
87	Effect of the number of splinted abutments on the accuracy of zirconia copings. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 790.e1-790.e7.	1.1	1
88	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> , 2019, 57, 397.	0.0	1
89	Application of additive and subtractive manufacturing technology for a digitally fabricated removable partial denture after a partial maxillectomy: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2020, , .	1.1	1
90	Fabrication of Metal-Reinforced Complete Dentures Using the CAD-CAM Technique. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7369.	1.3	1

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91	Placement of a Retro-fitted Single Crown Restoration Under an Existing Denture by Employing Digital Technology: A Case Report. The Korean Academy of Oral and Maxillofacial Implantology, 2018, 22, 100-105.	0.3	1
92	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.	0.1	0
93	Evaluation of changes in adhesive strength and cytotoxicity of a denture adhesive according to time. The Journal of Korean Academy of Prosthodontics, 2009, 47, 232.	0.0	0
94	Effects of grooved abutment on stability of implant abutment screw. The Journal of Korean Academy of Prosthodontics, 2016, 54, 387.	0.0	0
95	Interalveolar ridge crest relation analysis and rehabilitation of edentulous patient using dental CAD software: A case report. The Journal of Korean Academy of Prosthodontics, 2019, 57, 31.	0.0	0
96	Digital approach for production of interim implant-supported fixed restoration with a prefabricated implant component library. Journal of Prosthetic Dentistry, 2020, 123, 384-388.	1.1	0
97	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.	0.1	0
98	Multilateral analysis of Renova® implant placement and its Survival rate. The Journal of the Korean Academy of Periodontology, 2008, 38, 413.	0.1	0
99	Changes of the surface roughness depending on immersion time and powder/liquid ratio of various tissue conditioners. The Journal of Korean Academy of Prosthodontics, 2009, 47, 108.	0.0	0
100	Effect of Bio Function Enhanced-Dual TiO <sub>2</sub> Nanotube Implants on Osseointegration: A Comparative Study in Rabbit Model. Journal of Biomaterials and Tissue Engineering, 2018, 8, 783-791.	0.0	0
101	Dental students' clinical confidence in denture treatment after clinical experiences. The Journal of Korean Academy of Prosthodontics, 2020, 58, 185.	0.0	0
102	Review of Computer-assisted Implant Surgeries: Navigation Surgery System vs. Computer-guided Implant Template vs. Robot <!--Review of Computer-assisted Implant Surgeries: Navigation Surgery System vs. Computer-guided Implant Template vs. Robot-->. The Korean Academy of Oral and Maxillofacial Implantology, 2018, 22, 50-58.	0.3	0
103	Abutment-Level Digital Impression Using Abutment Matching Algorithm, And Insurance-Covered Implant Prosthesis By Metal 3D Printing: A Case Report. The Korean Academy of Oral and Maxillofacial Implantology, 2020, 24, 137-147.	0.3	0