

# Woong-Chul Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,506  
citations

304368

22  
h-index

329751

37  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1097  
citing authors

#	ARTICLE	IF	CITATIONS
1	An evaluation of marginal fit of three-unit fixed dental prostheses fabricated by direct metal laser sintering system. <i>Dental Materials</i> , 2013, 29, e91-e96.	1.6	105
2	Three-dimensional evaluation of gaps associated with fixed dental prostheses fabricated with new technologies. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1432-1436.	1.1	98
3	A comparative study of additive and subtractive manufacturing for dental restorations. <i>Journal of Prosthetic Dentistry</i> , 2017, 118, 187-193.	1.1	94
4	Accuracy of complete-arch model using an intraoral video scanner: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 755-759.	1.1	92
5	Comparing the accuracy (trueness and precision) of models of fixed dental prostheses fabricated by digital and conventional workflows. <i>Journal of Prosthodontic Research</i> , 2019, 63, 25-30.	1.1	72
6	Evaluation of the marginal and internal gap of metal-ceramic crown fabricated with a selective laser sintering technology: two- and three-dimensional replica techniques. <i>Journal of Advanced Prosthodontics</i> , 2013, 5, 179.	1.1	69
7	Comparison and evaluation of marginal and internal gaps in cobalt-chromium alloy copings fabricated using subtractive and additive manufacturing. <i>Journal of Prosthodontic Research</i> , 2018, 62, 56-64.	1.1	67
8	Accuracy of single-abutment digital cast obtained using intraoral and cast scanners. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 253-259.	1.1	56
9	Bond and fracture strength of metal-ceramic restorations formed by selective laser sintering. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 266.	1.1	49
10	Comparison of prosthetic models produced by traditional and additive manufacturing methods. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 294.	1.1	46
11	Three-dimensional analysis of marginal and internal fit of copings fabricated with polyetherketoneketone (PEKK) and zirconia. <i>Journal of Prosthodontic Research</i> , 2017, 61, 106-112.	1.1	45
12	Evaluation of the marginal and internal gaps of three different dental prostheses: comparison of the silicone replica technique and three-dimensional superimposition analysis. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 159.	1.1	45
13	Accuracy evaluation of metal copings fabricated by computer-aided milling and direct metal laser sintering systems. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 122.	1.1	40
14	Three-dimensional evaluation of the repeatability of scanned conventional impressions of prepared teeth generated with white- and blue-light scanners. <i>Journal of Prosthetic Dentistry</i> , 2015, 114, 549-553.	1.1	40
15	Reproducibility of different arrangement of resin copings by dental microstereolithography: Evaluating the marginal discrepancy of resin copings. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 260-265.	1.1	40
16	Accuracy and precision of polyurethane dental arch models fabricated using a three-dimensional subtractive rapid prototyping method with an intraoral scanning technique. <i>Korean Journal of Orthodontics</i> , 2014, 44, 69.	0.8	38
17	In vitro assessment of the marginal and internal fits of interim implant restorations fabricated with different methods. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 536-542.	1.1	38
18	Trueness of milled prostheses according to number of ball-end mill burs. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 624-629.	1.1	38

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19	Accuracy of Dental Replica Models Using Photopolymer Materials in Additive Manufacturing: In Vitro Three-dimensional Evaluation. <i>Journal of Prosthodontics</i> , 2019, 28, e557-e562.	1.7	36
20	Accuracy of provisional crowns made using stereolithography apparatus and subtractive technique. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 354.	1.1	32
21	Accuracy of 3-unit fixed dental prostheses fabricated on 3D-printed casts. <i>Journal of Prosthetic Dentistry</i> , 2020, 123, 135-142.	1.1	32
22	Evaluation of the fit of metal ceramic restorations fabricated with a pre-sintered soft alloy. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 909-915.	1.1	30
23	Translucency of zirconia-based pressable ceramics with different core and veneer thicknesses. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 768-772.	1.1	23
24	Accuracy of 3D white light scanning of abutment teeth impressions: evaluation of trueness and precision. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 468.	1.1	21
25	White light scanner-based repeatability of 3-dimensional digitizing of silicon rubber abutment teeth impressions. <i>Journal of Advanced Prosthodontics</i> , 2013, 5, 452.	1.1	19
26	<i>In vitro</i> evaluation of the bond strength between various ceramics and cobalt-chromium alloy fabricated by selective laser sintering. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 312.	1.1	19
27	Evaluation of different approaches for using a laser scanner in digitization of dental impressions. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 22.	1.1	17
28	Evaluation of the marginal and internal fit of a single crown fabricated based on a three-dimensional printed model. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 367.	1.1	17
29	Three-dimensional evaluation of the repeatability of scans of stone models and impressions using a blue LED scanner. <i>Dental Materials Journal</i> , 2015, 34, 686-691.	0.8	15
30	Repeatability and reproducibility of individual abutment impression, assessed with a blue light scanner. <i>Journal of Advanced Prosthodontics</i> , 2016, 8, 214.	1.1	14
31	Trueness and precision of scanning abutment impressions and stone models according to dental CAD/CAM evaluation standards. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 335.	1.1	14
32	Evaluation of marginal discrepancy of pressable ceramic veneer fabricated using CAD/CAM system: Additive and subtractive manufacturing. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 347.	1.1	13
33	Evaluation of shear bond strength of veneering ceramics and zirconia fabricated by the digital veneering method. <i>Journal of Prosthodontic Research</i> , 2016, 60, 106-113.	1.1	12
34	The effect of powder A2/powder A3 mixing ratio on color and translucency parameters of dental porcelain. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 400.	1.1	11
35	Three-dimensional evaluation of the reproducibility of presintered zirconia single copings fabricated with the subtractive method. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 237-241.	1.1	11
36	Evaluation of the color reproducibility of all-ceramic restorations fabricated by the digital veneering method. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 71.	1.1	10

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37	New approach to accuracy verification of 3D surface models: An analysis of point cloud coordinates. Journal of Prosthodontic Research, 2016, 60, 98-105.	1.1	10
38	Three-dimensional trueness analysis of ceramic crowns fabricated using a chairside computer-aided design/manufacturing system: An in vitro study. Journal of Prosthodontic Research, 2020, 64, 152-158.	1.1	10
39	Evaluation of marginal and internal gaps of Ni-Cr and Co-Cr alloy copings manufactured by microstereolithography. Journal of Advanced Prosthodontics, 2017, 9, 176.	1.1	9
40	Ceramic molar crown reproducibility by digital workflow manufacturing: An <i>in vitro</i> study. Journal of Advanced Prosthodontics, 2017, 9, 252.	1.1	8
41	Effects of core and veneer thicknesses on the color of CAD-CAM lithium disilicate ceramics. Journal of Prosthetic Dentistry, 2018, 119, 461-466.	1.1	7
42	Evaluation of the reproducibility of various abutments using a blue light model scanner. Journal of Advanced Prosthodontics, 2018, 10, 328.	1.1	7
43	In vitro evaluation of marginal and internal adaptation of three-unit fixed dental prostheses produced by stereolithography. Dental Materials Journal, 2014, 33, 504-509.	0.8	6
44	Reproducibility of different coping arrangements fabricated by dental micro-stereolithography: Evaluation of marginal and internal gaps in metal copings. Journal of Dental Sciences, 2018, 13, 220-225.	1.2	6
45	A study on the machining accuracy of dental digital method focusing on dental inlay. Journal of Advanced Prosthodontics, 2018, 10, 321.	1.1	6
46	Pressure Differences from Clear Aligner Movements Assessed by Pressure Sensors. BioMed Research International, 2020, 2020, 1-4.	0.9	5
47	Evaluation of marginal and internal gaps in single and three-unit metal frameworks made by micro-stereolithography. Journal of Advanced Prosthodontics, 2017, 9, 239.	1.1	4
48	Evaluation of marginal and internal gap of three-unit metal framework according to subtractive manufacturing and additive manufacturing of CAD/CAM systems. Journal of Advanced Prosthodontics, 2017, 9, 463.	1.1	3
49	Comparison of accuracy of digital data obtained by intra-oral scanner and extra-oral scanner. Journal of Korean Academy of Dental Technology, 2015, 37, 191-197.	0.4	3
50	Effects of Different Thickness Combinations of Core and Veneer Ceramics on Optical Properties of CAD-CAM Glass-Ceramics. BioMed Research International, 2019, 2019, 1-6.	0.9	2
51	Comparison of reproducibility of prepared tooth impression scanning utilized with white and blue light scanners. Journal of Korean Academy of Dental Technology, 2015, 37, 213-218.	0.4	2
52	A comparison of different thicknesses of mouthguards according to the groove shape of sheets. Dental Traumatology, 2018, 34, 360-364.	0.8	0