

Hyung-In Yoon

List of Publications by Year in descending order

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54
papers

769
citations

567247

15
h-index

580810

25
g-index

55
all docs

55
docs citations

55
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the trueness and tissue surface adaptation of CAD-CAM maxillary denture bases manufactured using digital light processing. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 110-117.	2.8	91
2	Evaluation of the trueness and tissue surface adaptation of CAD-CAM mandibular denture bases manufactured using digital light processing. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 919-926.	2.8	71
3	The effect of build angle on the tissue surface adaptation of maxillary and mandibular complete denture bases manufactured by digital light processing. <i>Journal of Prosthetic Dentistry</i> , 2020, 123, 473-482.	2.8	40
4	Peri-Implant Bone Loss Measurement Using a Region-Based Convolutional Neural Network on Dental Periapical Radiographs. <i>Journal of Clinical Medicine</i> , 2021, 10, 1009.	2.4	39
5	Repeatability of Intraoral Scanners for Complete Arch Scan of Partially Edentulous Dentitions: An In Vitro Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 1187.	2.4	37
6	A Study on Possibility of Clinical Application for Color Measurements of Shade Guides Using an Intraoral Digital Scanner. <i>Journal of Prosthodontics</i> , 2018, 27, 670-675.	3.7	33
7	Tissue surface adaptation of CAD-CAM maxillary and mandibular complete denture bases manufactured by digital light processing: A clinical study. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 682-689.	2.8	32
8	Load-bearing capacity of various CAD/CAM monolithic molar crowns under recommended occlusal thickness and reduced occlusal thickness conditions. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 423.	2.6	28
9	Wear of 3D printed and CAD/CAM milled interim resin materials after chewing simulation. <i>Journal of Advanced Prosthodontics</i> , 2021, 13, 144.	2.6	27
10	Optical and Surface Properties of Monolithic Zirconia after Simulated Toothbrushing. <i>Materials</i> , 2019, 12, 1158.	2.9	24
11	Porcelain repair - Influence of different systems and surface treatments on resin bond strength. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 343.	2.6	23
12	Panoptic Segmentation on Panoramic Radiographs: Deep Learning-Based Segmentation of Various Structures Including Maxillary Sinus and Mandibular Canal. <i>Journal of Clinical Medicine</i> , 2021, 10, 2577.	2.4	22
13	Effect of surface treatment and liner material on the adhesion between veneering ceramic and zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 40, 369-374.	3.1	21
14	Trueness of the Inner Surface of Monolithic Crowns Fabricated by Milling of a Fully Sintered (Y,Tb)ZrO ₃ Overlock. <i>Journal of Dental Research</i> , 2021, 100, 2022.	2.9	20
15	Effect of Yttria Content on the Translucency and Masking Ability of Yttria-Stabilized Tetragonal Zirconia Polycrystal. <i>Materials</i> , 2020, 13, 4726.	2.9	20
16	Colour stability and surface properties of high-translucency restorative materials for digital dentistry after simulated oral rinsing. <i>European Journal of Oral Sciences</i> , 2020, 128, 170-180.	1.5	17
17	Comparison of the Osteogenic Potential of Titanium- and Modified Zirconia-Based Bioceramics. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4442-4452.	4.1	15
18	Shear bond strength of provisional repair materials bonded to 3D printed resin. <i>Journal of Dental Sciences</i> , 2021, 16, 261-267.	2.5	15

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19	Effect of various intermediate ceramic layers on the interfacial stability of zirconia core and veneering ceramics. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 488-495.	1.6	14
20	Fracture Resistance of CAD/CAM-Fabricated Lithium Disilicate MOD Inlays and Onlays with Various Cavity Preparation Designs. <i>Journal of Prosthodontics</i> , 2019, 28, e524-e529.	3.7	14
21	Antifungal effect, surface roughness, and cytotoxicity of three-dimensionally printed denture base with phytoncide-filled microcapsules: An in-vitro study. <i>Journal of Dentistry</i> , 2022, 120, 104098.	4.1	13
22	Characterization of Human Gingival Fibroblasts on Zirconia Surfaces Containing Niobium Oxide. <i>Materials</i> , 2015, 8, 6018-6028.	2.9	12
23	Prosthetic rehabilitation with an implant-supported fixed prosthesis using computer-aided design and computer-aided manufacturing dental technology for a patient with a mandibulectomy: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 133-136.	2.8	12
24	Accuracy of impression-making methods in edentulous arches: An in-vitro study encompassing conventional and digital methods. <i>Journal of Prosthetic Dentistry</i> , 2022, 128, 479-486.	2.8	12
25	Effect of various surface treatments on the interfacial adhesion between zirconia cores and porcelain veneers. <i>International Journal of Adhesion and Adhesives</i> , 2016, 69, 79-85.	2.9	11
26	Evaluation of intaglio surface trueness, wear, and fracture resistance of zirconia crown under simulated mastication: a comparative analysis between subtractive and additive manufacturing. <i>Journal of Advanced Prosthodontics</i> , 2022, 14, 122.	2.6	11
27	Effect of a macroscopic groove on bone response and implant stability. <i>Clinical Oral Implants Research</i> , 2010, 21, 1379-1385.	4.5	10
28	Effects of ultrasonic scaling on the optical properties and surface characteristics of highly translucent CAD/CAM ceramic restorative materials: An in vitro study. <i>Ceramics International</i> , 2019, 45, 14594-14601.	4.8	10
29	Detection of proximal caries using quantitative light-induced fluorescence-digital and laser fluorescence: a comparative study. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 432.	2.6	9
30	Prosthetic Rehabilitation After Fibular Free Flap Surgery of Mandibular Defects in a Patient With Oral Squamous Cell Carcinoma. <i>Journal of Craniofacial Surgery</i> , 2016, 27, e685-e688.	0.7	7
31	Improvement in Fatigue Behavior of Dental Implant Fixtures by Changing Internal Connection Design: An In Vitro Pilot Study. <i>Materials</i> , 2019, 12, 3264.	2.9	7
32	Spatial variation of bone biomechanical properties around a dental implant using nanoindentation: a case study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 168-172.	3.1	6
33	Contemporary full-mouth rehabilitation using a digital smile design in combination with conventional and computer-aided design/manufacturing restorative materials in a patient with bruxism. <i>Medicine (United States)</i> , 2019, 98, e18164.	1.0	6
34	Optimized Zirconia 3D Printing Using Digital Light Processing with Continuous Film Supply and Recyclable Slurry System. <i>Materials</i> , 2021, 14, 3446.	2.9	6
35	Implant-assisted removable prosthetic rehabilitation after distraction osteogenesis in a patient with ameloblastoma recurrence. <i>Medicine (United States)</i> , 2019, 98, e18290.	1.0	5
36	Full mouth rehabilitation of a severely worn dentition using intraoral scanner and the CAD/CAM double scanning technique. <i>The Journal of Korean Academy of Prosthodontics</i> , 2020, 58, 67.	0.1	5

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37	Surface changes of metal alloys and high-strength ceramics after ultrasonic scaling and intraoral polishing. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 188.	2.6	4
38	Effect of phytochemical-filled microcapsules with antifungal activity on material properties and dimensional accuracy of denture base resin for three-dimensional printing. <i>BMC Oral Health</i> , 2022, 22, 178.	2.3	4
39	Clinical Feasibility of Fully Sintered (Y, Nb)-TZP for CAD-CAM Single-Unit Restoration: A Pilot Study. <i>Materials</i> , 2021, 14, 2762.	2.9	3
40	Comparative analysis on intaglio surface trueness, wear volume loss of antagonist, and fracture resistance of full-contour monolithic zirconia crown for single-visit dentistry under simulated mastication. <i>Journal of Advanced Prosthodontics</i> , 2022, 14, 173.	2.6	3
41	Comparison of patient satisfaction with digital and conventional impression for prosthodontic treatment. <i>The Journal of Korean Academy of Prosthodontics</i> , 2016, 54, 379.	0.1	2
42	Three-dimensional finite element analysis according to the insertion depth of an immediately loaded implant in the anterior maxilla. <i>The Journal of Korean Academy of Prosthodontics</i> , 2018, 56, 105.	0.1	1
43	Full mouth rehabilitation utilizing computer guided implant surgery and CAD/CAM. <i>The Journal of Korean Academy of Prosthodontics</i> , 2019, 57, 57.	0.1	1
44	Influence of processing variables on scratch and shrinkage behaviors and translucency of dental zirconia. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 354-364.	2.1	1
45	Full mouth rehabilitation with implant-supported fixed prosthesis via dental CAD-CAM system. <i>The Journal of Korean Academy of Prosthodontics</i> , 2021, 59, 97.	0.1	1
46	Quantitative analysis of the selective pressure impression technique using CAD-CAM technology: A pilot clinical study. <i>Journal of Prosthetic Dentistry</i> , 2022, 128, 1289-1294.	2.8	1
47	Full mouth rehabilitation of a patient using monolithic zirconia and dental CAD/CAM system: a case report. <i>Journal of Dental Rehabilitation and Applied Science</i> , 2018, 34, 196-207.	0.3	1
48	Full mouth rehabilitation of edentulous patient with intellectual disability using implants and monolithic zirconia. <i>The Journal of Korean Academy of Prosthodontics</i> , 2017, 55, 156.	0.1	0
49	The dimension analysis of prepared natural teeth for developing customized zirconia block. <i>The Journal of Korean Academy of Prosthodontics</i> , 2017, 55, 381.	0.1	0
50	Computer-aided design and manufacturing-based full mouth rehabilitation for a patient with excessive attrition and restricted vertical dimension: A case report. <i>The Journal of Korean Academy of Prosthodontics</i> , 2019, 57, 495.	0.1	0
51	Developing a clinical presentation dental education model and a pilot test. <i>European Journal of Dental Education</i> , 2021, 25, 78-85.	2.0	0
52	Fabrication of removable partial denture on scleroderma patient using 3-dimensional intraoral scanner. <i>The Journal of Korean Academy of Prosthodontics</i> , 2021, 59, 116.	0.1	0
53	Full mouth rehabilitation of a worn dentition using digital guided tooth preparation: a case report. <i>The Journal of Korean Academy of Prosthodontics</i> , 2022, 60, 80.	0.1	0
54	Complete mouth rehabilitation with fixed implant-supported prosthesis using temporary denture and dental CAD-CAM. <i>The Journal of Korean Academy of Prosthodontics</i> , 2022, 60, 100.	0.1	0