

Jin-Soo Ahn

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,809
citations

304368

22
h-index

276539

41
g-index

57
all docs

57
docs citations

57
times ranked

2014
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of translucency of tooth enamel and dentin. <i>Acta Odontologica Scandinavica</i> , 2009, 67, 57-64.	0.9	186
2	Effects of the sintering conditions of dental zirconia ceramics on the grain size and translucency. <i>Journal of Advanced Prosthodontics</i> , 2013, 5, 161.	1.1	166
3	A study on the <i>in-vitro</i> wear of the natural tooth structure by opposing zirconia or dental porcelain. <i>Journal of Advanced Prosthodontics</i> , 2010, 2, 111.	1.1	160
4	Wear evaluation of the human enamel opposing different Y-TZP dental ceramics and other porcelains. <i>Journal of Dentistry</i> , 2012, 40, 979-988.	1.7	144
5	Color distribution of a shade guide in the value, chroma, and hue scale. <i>Journal of Prosthetic Dentistry</i> , 2008, 100, 18-28.	1.1	84
6	Layered color of all-ceramic core and veneer ceramics. <i>Journal of Prosthetic Dentistry</i> , 2007, 97, 279-286.	1.1	69
7	Influence of TiO ₂ nanoparticles on the optical properties of resin composites. <i>Dental Materials</i> , 2009, 25, 1142-1147.	1.6	66
8	Thermal irritation of teeth during dental treatment procedures. <i>Restorative Dentistry & Endodontics</i> , 2013, 38, 105.	0.6	66
9	3D Printing of Resin Material for Denture Artificial Teeth: Chipping and Indirect Tensile Fracture Resistance. <i>Materials</i> , 2018, 11, 1798.	1.3	65
10	Tunicate-Inspired Gallic Acid/Metal Ion Complex for Instant and Efficient Treatment of Dentin Hypersensitivity. <i>Advanced Healthcare Materials</i> , 2016, 5, 919-927.	3.9	50
11	Wear of primary teeth caused by opposed all-ceramic or stainless steel crowns. <i>Journal of Advanced Prosthodontics</i> , 2016, 8, 43.	1.1	49
12	Difference in the translucency of all-ceramics by the illuminant. <i>Dental Materials</i> , 2008, 24, 1539-1544.	1.6	47
13	A rapid, efficient and facile solution for dental hypersensitivity: The tannin-iron complex. <i>Scientific Reports</i> , 2015, 5, 10884.	1.6	44
14	A prospective study on the effectiveness of newly developed autogenous tooth bone graft material for sinus bone graft procedure. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 528.	1.1	42
15	Wear Resistance of 3D Printing Resin Material Opposing Zirconia and Metal Antagonists. <i>Materials</i> , 2018, 11, 1043.	1.3	41
16	Influence of dentin porcelain thickness on layered all-ceramic restoration color. <i>Journal of Dentistry</i> , 2010, 38, e71-e77.	1.7	36
17	Bioengineered mussel glue incorporated with a cell recognition motif as an osteostimulating bone adhesive for titanium implants. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8102-8114.	2.9	31
18	The influence of a continuous increase in thickness of opaque-shade composite resin on masking ability and translucency. <i>Acta Odontologica Scandinavica</i> , 2013, 71, 120-129.	0.9	30

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19	Shear Bond Strength of MDP-Containing Self-Adhesive Resin Cement and Y-TZP Ceramics: Effect of Phosphate Monomer-Containing Primers. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	30
20	Catechol-thiol-based dental adhesive inspired by underwater mussel adhesion. <i>Acta Biomaterialia</i> , 2020, 103, 92-101.	4.1	28
21	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. <i>The Journal of Korean Academy of Prosthodontics</i> , 2014, 52, 67.	0.0	27
22	Wear of 3D printed and CAD/CAM milled interim resin materials after chewing simulation. <i>Journal of Advanced Prosthodontics</i> , 2021, 13, 144.	1.1	27
23	Three-dimensional interpretation of intercanine width change in children: A 9-year longitudinal study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012, 142, 323-332.	0.8	22
24	Effect of post-curing time on the color stability and related properties of a tooth-colored 3D-printed resin material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104993.	1.5	22
25	Comparison of translucency between indirect and direct resin composites. <i>Journal of Dentistry</i> , 2008, 36, 637-642.	1.7	21
26	Current status of dental caries diagnosis using cone beam computed tomography. <i>Imaging Science in Dentistry</i> , 2011, 41, 43.	0.6	20
27	Engineered mussel bioglue as a functional osteoinductive binder for grafting of bone substitute particles to accelerate in vivo bone regeneration. <i>Journal of Materials Chemistry B</i> , 2015, 3, 546-555.	2.9	19
28	Bioinspired Catecholic Primers for Rigid and Ductile Dental Resin Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1520-1527.	4.0	19
29	Influence of the changes in the UV component of illumination on the color of composite resins. <i>Journal of Prosthetic Dentistry</i> , 2007, 97, 375-380.	1.1	17
30	Opalescence and fluorescence properties of indirect and direct resin materials. <i>Acta Odontologica Scandinavica</i> , 2008, 66, 236-242.	0.9	15
31	Influence of cement thickness on resin-zirconia microtensile bond strength. <i>Journal of Advanced Prosthodontics</i> , 2011, 3, 119.	1.1	15
32	The color change in artificial white spot lesions measured using a spectroradiometer. <i>Clinical Oral Investigations</i> , 2013, 17, 139-146.	1.4	15
33	Effect of layer thickness and printing orientation on the color stability and stainability of a 3D-printed resin material. <i>Journal of Prosthetic Dentistry</i> , 2022, 127, 784.e1-784.e7.	1.1	15
34	Color stability of three dimensional-printed denture teeth exposed to various colorants. <i>The Journal of Korean Academy of Prosthodontics</i> , 2020, 58, 1.	0.0	12
35	Cytotoxicity of four denture adhesives on human gingival fibroblast cells. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 87-92.	0.9	11
36	Quantitative microleakage analysis of endodontic temporary filling materials using a glucose penetration model. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 137-143.	0.9	11

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37	Aesthetically improved and efficient tannin-metal chelates for the treatment of dentinal hypersensitivity. <i>RSC Advances</i> , 2017, 7, 87-94.	1.7	10
38	Tough and Immunosuppressive Titanium-Infiltrated Exoskeleton Matrices for Long-Term Endoskeleton Repair. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9786-9793.	4.0	10
39	Physical stability of arginine-glycine-aspartic acid peptide coated on anodized implants after installation. <i>Journal of Advanced Prosthodontics</i> , 2013, 5, 84.	1.1	9
40	Electrochemical Performances of Yttrium Doped $\text{Li}_{3-\text{x}}\text{V}_2\text{X}_\text{y}\text{Y}_\text{z}(\text{PO}_4)_3/\text{C}$ Cathode Material for Lithium Secondary Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8042-8047.	0.9	9
41	Fracture Strength After Fatigue Loading of Lithium Disilicate Pressed Zirconia Crowns. <i>International Journal of Prosthodontics</i> , 2016, 29, 369-371.	0.7	8
42	Sticky bone-specific artificial extracellular matrix for stem cell-mediated rapid craniofacial bone therapy. <i>Applied Materials Today</i> , 2020, 18, 100531.	2.3	7
43	Osteostimulating Ability of β -tricalcium Phosphate/collagen Composite as a Practical Bone-grafting Substitute: In vitro and in vivo Comparison Study with Commercial One. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 923-932.	1.4	7
44	Influence of 2-hydroxyethyl methacrylate content on the optical properties of experimental 2-hydroxyethyl methacrylate-added dental glass ionomer. <i>Materials & Design</i> , 2009, 30, 3996-4002.	5.1	6
45	Direct Measurement of Heat Produced during Drilling for Implant Site Preparation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1898.	1.3	6
46	Dental Adhesion Enhancement on Zirconia Inspired by Mussel's Priming Strategy Using Catechol. <i>Coatings</i> , 2018, 8, 298.	1.2	5
47	Which Three-Dimensional Printing Technology Can Replace Conventional Manual Method of Manufacturing Oral Appliance? A Preliminary Comparative Study of Physical and Mechanical Properties. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 130.	1.3	4
48	Evaluation of regeneration after the application of 2 types of deproteinized bovine bone mineral to alveolar bone defects in adult dogs. <i>Journal of Periodontal and Implant Science</i> , 2022, 52, 370.	0.9	3
49	Comparison on accuracy of porcelain color reproducibility using two colorimeters. <i>The Journal of Korean Academy of Prosthodontics</i> , 2009, 47, 348.	0.0	1
50	In vivo real-time temperature measurement on the surface of intact and gold-restored teeth during consumption of hot and cold drinks. <i>European Journal of Oral Sciences</i> , 2022, , e12870.	0.7	1
51	Color and surface stainability of additively and subtractively manufactured interim restorative materials against mouth rinses. <i>Journal of Prosthetic Dentistry</i> , 2023, 130, 927-934.	1.1	1
52	Dentin Hypersensitivity: Tunicate-Inspired Gallic Acid/Metal Ion Complex for Instant and Efficient Treatment of Dentin Hypersensitivity (Adv. Healthcare Mater. 8/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 988-988.	3.9	0
53	The Stability of Temporary Restorations Fabricated on a Healing Cap for Immediate Loading: An In Vitro Study. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2261.	1.3	0
54	A comparative study on the fracture behavior of zirconia, glass infiltrated alumina and PFM full crown system. <i>The Journal of Korean Academy of Prosthodontics</i> , 2012, 50, 235.	0.0	0

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55	Research and development of dental assistant robot. Korean Journal of Dental Materials, 2020, 47, 169-180.	0.2	0
56	Effect of Indented Structures on the Retention of Cement-Retained Implant-Supported Crowns by Provisional Cement. Journal of Implantology and Applied Sciences, 2022, 26, 84-93.	0.0	0