

# Yong Hoon Kwon

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

682  
citations

471509

17  
h-index

610901

24  
g-index

58  
all docs

58  
docs citations

58  
times ranked

759  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | How light attenuation and filler content affect the microhardness and polymerization shrinkage and translucency of bulk-fill composites?. <i>Clinical Oral Investigations</i> , 2017, 21, 559-565. | 3.0 | 57        |
| 2  | Effect of Dentin Wetness on the Bond Strength of Universal Adhesives. <i>Materials</i> , 2017, 10, 1224.   | 2.9 | 44        |
| 3  | Dentin sealing and antibacterial effects of silver-doped bioactive glass/mesoporous silica nanocomposite: an in vitro study. <i>Clinical Oral Investigations</i> , 2019, 23, 253-266.              | 3.0 | 38        |
| 4  | Influence of flowable resins on the shear bond strength of orthodontic brackets. <i>Dental Materials Journal</i> , 2009, 28, 730-734.  | 1.8 | 36        |
| 5  | Change of Enamel after Er:YAG and CO <sub>2</sub> Laser Irradiation and Fluoride Treatment. <i>Photomedicine and Laser Surgery</i> , 2005, 23, 389-394.  | 2.0 | 33        |
| 6  | Fluorinated Bioactive Glass Nanoparticles: Enamel Demineralization Prevention and Antibacterial Effect of Orthodontic Bonding Resin. <i>Materials</i> , 2019, 12, 1813.                            | 2.9 | 33        |
| 7  | Effect of pH and temperature on orthodontic NiTi wires immersed in acidic fluoride solution. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 79B, 7-15.      | 3.4 | 30        |
| 8  | Effectiveness of an Er:YAG Laser in Etching the Enamel Surface for Orthodontic Bracket Retention. <i>Dental Materials Journal</i> , 2005, 24, 596-602.   | 1.8 | 28        |
| 9  | Interaction of LED light with coinitiator-containing composite resins: Effect of dual peaks. <i>Journal of Dentistry</i> , 2012, 40, 836-842.  | 4.1 | 26        |
| 10 | Effect of different sizes of bioactive glass-coated mesoporous silica nanoparticles on dentinal tubule occlusion and mineralization. <i>Clinical Oral Investigations</i> , 2019, 23, 2129-2141.    | 3.0 | 25        |
| 11 | Antibacterial and remineralization effects of orthodontic bonding agents containing bioactive glass. <i>Korean Journal of Orthodontics</i> , 2018, 48, 163.  | 2.3 | 24        |
| 12 | Evaluation of polymerization of light-curing hybrid composite resins. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 76B, 106-113.                          | 3.4 | 22        |
| 13 | Hardening and overaging Mechanisms in an Au-Ag-Cu-Pd alloy with In additions. <i>Gold Bulletin</i> , 2008, 41, 257-263.  | 2.7 | 21        |
| 14 | Effect of acidic fluoride solution on ? titanium alloy wire. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 73B, 285-290.                                   | 3.4 | 20        |
| 15 | The applicability of DPSS laser for light curing of composite resins. <i>Lasers in Medical Science</i> , 2008, 23, 407-414.  | 2.1 | 18        |
| 16 | Enamel Surface Remineralization Effect by Fluorinated Graphite and Bioactive Glass-Containing Orthodontic Bonding Resin. <i>Materials</i> , 2019, 12, 1308.  | 2.9 | 18        |
| 17 | Changes on NiTi Orthodontic Wired Due to Acidic Fluoride Solution. <i>Dental Materials Journal</i> , 2004, 23, 557-565.  | 1.8 | 17        |
| 18 | Evaluation of the effect of fluoride-containing acetic acid on NiTi wires. <i>Journal of Biomedical Materials Research Part B</i> , 2005, 72B, 102-108.  | 3.1 | 15        |

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|----|---|-----|-----------|
| 19 | Hardening effect of pre- and post-firing heat treatment for a firing-simulated Au-Pd-In metal-ceramic alloy. <i>Gold Bulletin</i> , 2014, 47, 255-261.  | 2.4 | 15        |
| 20 | Age-hardening behaviour of a spinodally decomposed low-carat gold alloy. <i>Journal of Materials Science</i> , 2008, 43, 1539-1545.   | 3.7 | 12        |
| 21 | Effect of Fluoride Released from Fluoride-containing Dental Restoratives on NiTi Orthodontic Wires. <i>Dental Materials Journal</i> , 2008, 27, 133-138.  | 1.8 | 12        |
| 22 | Change in hardness of an as-cast and softening heat-treated low-gold-content alloy for bonding porcelain by simulated porcelain firing and its mechanism. <i>Gold Bulletin</i> , 2015, 48, 39-46.                             | 2.4 | 12        |
| 23 | Spectral characteristics of caries-related autofluorescence spectra and their use for diagnosis of caries stage. <i>Journal of Biomedical Optics</i> , 2016, 21, 015001.  | 2.6 | 12        |
| 24 | Mechanical properties of composite resins light-cured using a blue DPSS laser. <i>Lasers in Medical Science</i> , 2013, 28, 597-604.  | 2.1 | 11        |
| 25 | Diagnosis and staging of caries using spectral factors derived from the blue laser-induced autofluorescence spectrum. <i>Journal of Dentistry</i> , 2017, 67, 77-83.  | 4.1 | 10        |
| 26 | Effect of hydrogen peroxide on microhardness and color change of resin nanocomposites. <i>American Journal of Dentistry</i> , 2010, 23, 19-22.  | 0.1 | 10        |
| 27 | Effect of ice-quenching after oxidation treatment on hardening of a Pd-Cu-Ga-Zn alloy for bonding porcelain. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 83-91.                             | 3.1 | 9         |
| 28 | Effect of Acetic NaF Solution on the Corrosion Behavior of Stainless Steel Orthodontic Brackets. <i>Dental Materials Journal</i> , 2006, 25, 339-344.   | 1.8 | 9         |
| 29 | Effect of ice quenching after oxidation with or without vacuum on the hardness of Pd-Ag-Au-In alloy during porcelain firing simulation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 94, 93-109. | 3.1 | 7         |
| 30 | Effect of a DPSS laser on the shear bond strength of ceramic brackets with different base designs. <i>Lasers in Medical Science</i> , 2013, 28, 1461-1466.  | 2.1 | 6         |
| 31 | Effect of two lasers on the polymerization of composite resins: single vs combination. <i>Lasers in Medical Science</i> , 2015, 30, 1497-1503.  | 2.1 | 6         |
| 32 | Age-hardening and overaging mechanisms related to the metastable phase formation by the decomposition of Ag and Cu in a dental Au-Ag-Cu-Pd-Zn alloy. <i>Gold Bulletin</i> , 2011, 44, 155-162.                                | 2.4 | 5         |
| 33 | Coating Medpor® Implant with Tissue-Engineered Elastic Cartilage. <i>Journal of Functional Biomaterials</i> , 2020, 11, 34.   | 4.4 | 5         |
| 34 | Effect of cooling rate on hardness and microstructure of Pd-Ag-In-Sn-Ga alloy during porcelain firing simulation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 107, 103728.                      | 3.1 | 5         |
| 35 | Age-hardening by grain interior and grain boundary precipitation in an Au-Ag-Pt-Zn-In alloy for multipurpose dental use. <i>Gold Bulletin</i> , 2010, 43, 316-323.  | 2.7 | 4         |
| 36 | Diode-pumped solid-state laser for bonding orthodontic brackets: effect of light intensity and light-curing time. <i>Lasers in Medical Science</i> , 2011, 26, 585-589.   | 2.1 | 4         |

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|----|--|-----|-----------|
| 37 | Microstructural changes in grain interior and grain boundary by formation of metastable and stable phases related to age-hardening in an Au-Cu-Ag-Pd alloy. <i>Journal of Materials Research</i> , 2013, 28, 1211-1217.                    | 2.6 | 4         |
| 38 | Age-hardening by miscibility limit in a multi-purpose dental gold alloy containing platinum. <i>Gold Bulletin</i> , 2010, 43, 42-48.   | 2.7 | 3         |
| 39 | Difference assessment of composite resins and sound tooth applicable in the resin-embedded tooth for resin repair using fluorescence, microhardness, DIAGNOdent, and X-ray image. <i>Clinical Oral Investigations</i> , 2019, 23, 293-301. | 3.0 | 3         |
| 40 | Effect of irradiation mode on polymerization of dental composite resins. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 253-258.   | 3.4 | 2         |
| 41 | Effect of diode-pumped solid state laser on polymerization shrinkage and color change in composite resins. <i>Lasers in Medical Science</i> , 2010, 25, 339-343.   | 2.1 | 2         |
| 42 | Microhardness and polymerization shrinkage of flowable resins that are light cured using a blue laser. <i>Lasers in Medical Science</i> , 2012, 27, 729-733.   | 2.1 | 2         |
| 43 | Spinodal decomposition related to age-hardening and cuboidal structures in a dental low-carat gold alloy with relatively high Cu/Ag content ratio. <i>Gold Bulletin</i> , 2014, 47, 65-73.   | 2.4 | 2         |
| 44 | Age-hardening characteristics of a dental low-carat gold alloy with dual hardener system of In and Cu. <i>Gold Bulletin</i> , 2011, 44, 223-230.   | 2.4 | 1         |
| 45 | Lamellar-forming grain boundary reaction related to age-hardening mechanism in an Au-Pt-Pd-In metal-ceramic alloy. <i>Gold Bulletin</i> , 2014, 47, 195-203.   | 2.4 | 1         |
| 46 | Spectral characteristics of caries autofluorescence obtained from different locations and caries severities. <i>Journal of Biophotonics</i> , 2020, 13, e201900224.  | 2.3 | 1         |
| 47 | Bleaching of stained resin using nitrogen doped-TiO <sub>2</sub> nanoparticles. <i>Korean Journal of Dental Materials</i> , 2019, 46, 175-184.   | 0.1 | 1         |
| 48 | Changes in hardness and microstructure of a Pd-Ag-In-Ga-based metal-ceramic alloy during porcelain firing simulation and subsequent cooling. <i>Korean Journal of Dental Materials</i> , 2019, 46, 229-242.                                | 0.1 | 1         |
| 49 | Age-hardenability related to precipitation and lamellar-forming grain boundary reaction in dental low-carat gold alloy. <i>International Journal of Materials Research</i> , 2013, 104, 547-553.   | 0.3 | 0         |
| 50 | Effect of the 457 nm Laser on the Bond Strength of Orthodontic Brackets. <i>Korean Journal of Dental Materials</i> , 2016, 43, 143-150.  | 0.1 | 0         |
| 51 | Effects of light wavelength on the microhardness and polymerization shrinkage of composite resins. <i>Korean Journal of Dental Materials</i> , 2017, 44, 367-376.  | 0.1 | 0         |
| 52 | Flexural and compressive properties of layered specimens formed with flowable and composite resins. <i>Korean Journal of Dental Materials</i> , 2018, 45, 129-138.   | 0.1 | 0         |
| 53 | Effect of 457 nm light on the polymerization of dental composite resins. <i>Korean Journal of Dental Materials</i> , 2018, 45, 179-186.  | 0.1 | 0         |
| 54 | Effect of pH variation on flexural and compressive properties of composite resins. <i>Korean Journal of Dental Materials</i> , 2019, 46, 53-60.  | 0.1 | 0         |

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|----|---|-----|-----------|
| 55 | Temperature changes and compressive properties of bulk-fill composites by light curing. Korean Journal of Dental Materials, 2020, 47, 193-202.  | 0.1 | 0         |
| 56 | The effect of cooling rate on hardness and microstructure of a metal-ceramic Au-Pt-Pd alloy during simulated firing. Korean Journal of Dental Materials, 2020, 47, 181-192.                             | 0.1 | 0         |
| 57 | Effect of ice-quenching after oxidation on the change in hardness and microstructure during porcelain firing in a metal-ceramic Au-Pd-Ag-In alloy. Korean Journal of Dental Materials, 2020, 47, 37-50. | 0.1 | 0         |
| 58 | Effect of cooling rate during porcelain firing on the optical properties of 3 mol% yttria-stabilized zirconia. Korean Journal of Dental Materials, 2021, 48, 269-280.                                   | 0.1 | 0         |