# Tea-Yub Kwon

List of Publications by Year
in descending order



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|---|---|---|---|
| 94 papers | 1,619 citations | 331538 21 h-index | 345118 36 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 2146 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Shear bond strengths of various luting cements to zirconia ceramic: Surface chemical aspects. Journal of Dentistry, 2011, 39, 795-803. | 1.7 | 119 |
| 2 | Microstructures and Mechanical Properties of Co-Cr Dental Alloys Fabricated by Three CAD/CAM-Based Processing Techniques. Materials, 2016, 9, 596. | 1.3 | 105 |
| 3 | Cure mechanisms in materials for use in esthetic dentistry. Journal of Investigative and Clinical Dentistry, 2012, 3, 3-16. | 1.8 | 83 |
| 4 | Changes in Degree of Conversion and Microhardness of Dental Resin Cements. Operative Dentistry, 2010, 35, 203-210. | 0.6 | 78 |
| 5 | Magnesium phosphate ceramics incorporating a novel indene compound promote osteoblast differentiation inÂvitro and bone regeneration inÂvivo. Biomaterials, 2018, 157, 51-61. | 5.7 | 71 |
| 6 | A microcomputed tomography evaluation of the marginal fit of cobalt-chromium alloy copings fabricated by new manufacturing techniques and alloy systems. Journal of Prosthetic Dentistry, 2017, 117, 393-399. | 1.1 | 62 |
| 7 | Use of Flowable Composites for Orthodontic Bracket Bonding. Angle Orthodontist, 2008, 78, 1105-1109. | 1.1 | 56 |
| 8 | Influence of surface characteristics on the adhesion ofCandida albicansto various denture lining materials. Acta Odontologica Scandinavica, 2013, 71, 241-248. | 0.9 | 54 |
| 9 | The Influence of Process Parameters on the Surface Roughness of a 3D-Printed Coâ€“Cr Dental Alloy Produced via Selective Laser Melting. Applied Sciences (Switzerland), 2016, 6, 401. | 1.3 | 51 |
| 10 | Efficacy of various cleaning solutions on saliva-contaminated zirconia for improved resin bonding. Journal of Advanced Prosthodontics, 2015, 7, 85. | 1.1 | 42 |
| 11 | Comparative short-term in vitro analysis of mutans streptococci adhesion on esthetic, nickel-titanium, and stainless-steel arch wires. Angle Orthodontist, 2014, 84, 680-686. | 1.1 | 40 |
| 12 | Isolation and Characterization of a microRNA-size Secretable Small RNA in Streptococcus sanguinis. Cell Biochemistry and Biophysics, 2018, 76, 293-301. | 0.9 | 37 |
| 13 | Effect of garlic on bacterial biofilm formation on orthodontic wire. Angle Orthodontist, 2011, 81, 895-900. | 1.1 | 33 |
| 14 | Degree of conversion of two dual-cured resin cements light-irradiated through zirconia ceramic disks. Journal of Advanced Prosthodontics, 2013, 5, 464. | 1.1 | 32 |
| 15 | Synthesis of spherical hydroxyapatite granules with interconnected pore channels using camphene emulsion. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 150-157. | 1.6 | 31 |
| 16 | Synthesis, characterization, biocompatibility of hydroxyapatiteâ€“natural polymers nanocomposites for dentistry applications. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 277-284. | 1.9 | 28 |
| 17 | Influence of Different Post-Plasma Treatment Storage Conditions on the Shear Bond Strength of Veneering Porcelain to Zirconia. Materials, 2016, 9, 43. | 1.3 | 28 |
| 18 | Improved Resinâ€“Zirconia Bonding by Room Temperature Hydrofluoric Acid Etching. Materials, 2015, 8, 850-866. | 1.3 | 26 |

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| 19 | A simple, sensitive and non-destructive technique for characterizing bovine dental enamel erosion: attenuated total reflection Fourier transform infrared spectroscopy. International Journal of Oral Science, 2016, 8, 54-60. | 3.6 | 26 |
| 20 | Anti-inflammatory drug releasing absorbable surgical sutures using poly(lactic-co-glycolic acid) particle carriers. Polymer Bulletin, 2014, 71, 1933-1946. | 1.7 | 25 |
| 21 | Comparison of in vitro biocompatibility of a Coâ€“Cr dental alloy produced by new milling/post-sintering or traditional casting technique. Materials Letters, 2016, 178, 300-303. | 1.3 | 23 |
| 22 | Marginal fit of metal-ceramic crowns fabricated by using a casting and two selective laser melting processes before and after ceramic firing. Journal of Prosthetic Dentistry, 2019, 122, 475-481. | 1.1 | 23 |
| 23 | Influence of surface energy parameters of dental self-adhesive resin cements on bond strength to dentin. Journal of Adhesion Science and Technology, 2013, 27, 1778-1789. | 1.4 | 21 |
| 24 | Preliminary Evaluation of Mechanical Properties of Co-Cr Alloys Fabricated by Three New Manufacturing Processes. International Journal of Prosthodontics, 2015, 28, 396-398. | 0.7 | 21 |
| 25 | Orthodontic bracket bonding to glazed full-contour zirconia. Restorative Dentistry & Endodontics, 2016, 41, 106. | 0.6 | 20 |
| 26 | Influence of Curing Mode on the Surface Energy and Sorption/Solubility of Dental Self-Adhesive Resin Cements. Materials, 2017, 10, 129. | 1.3 | 20 |
| 27 | Influence of Sandblasting Particle Size and Pressure on Resin Bonding Durability to Zirconia: A Residual Stress Study. Materials, 2020, 13, 5629. | 1.3 | 19 |
| 28 | Porous calcium phosphate granules containing drug-loaded polymeric nanoparticles for bone regeneration. Materials Letters, 2012, 76, 243-246. | 1.3 | 18 |
| 29 | Chemical State and Ultra-Fine Structure Analysis of Biocompatible TiO2 Nanotube-Type Oxide Film Formed on Titanium Substrate. Metals and Materials International, 2008, 14, 457-463. | 1.8 | 16 |
| 30 | Developmental regulations of Perp in mice molar morphogenesis. Cell and Tissue Research, 2014, 358, 109-121. | 1.5 | 16 |
| 31 | Surface characteristics and osteoblast cell response on TiN- and TiAlN-coated Ti implant. Biomedical Engineering Letters, 2011, 1, 99-107. | 2.1 | 15 |
| 32 | In vitrostudy ofStreptococcus mutansadhesion on composite resin coated with three surface sealants. Restorative Dentistry & Endodontics, 2017, 42, 39. | 0.6 | 14 |
| 33 | An Evaluation of Wetting and Adhesion of Three Bioceramic Root Canal Sealers to Intraradicular Human Dentin. Materials, 2018, 11, 1286. | 1.3 | 14 |
| 34 | Osteogenic evaluation of calcium phosphate scaffold with drug-loaded poly (lactic-co-glycolic acid) microspheres in beagle dogs. Tissue Engineering and Regenerative Medicine, 2012, 9, 175-183. | 1.6 | 13 |
| 35 | Application of a Novel CVD TiN Coating on a Biomedical Coâ€“Cr Alloy: An Evaluation of Coating Layer and Substrate Characteristics. Materials, 2020, 13, 1145. | 1.3 | 13 |
| 36 | Structure and Properties of Self-Organized TiO2 Nanotubes from Stirred Baths. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2008, 39, 493-499. | 1.0 | 12 |

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| 37 | Influence of different drying methods on microtensile bond strength of self-adhesive resin cements to dentin. Acta Odontologica Scandinavica, 2014, 72, 954-962. | 0.9 | 12 |
| 38 | Bortezomib Facilitates Reparative Dentin Formation after Pulp Access Cavity Preparation in Mouse Molar. Journal of Endodontics, 2017, 43, 2041-2047. | 1.4 | 12 |
| 39 | Enhanced biocompatibility of a Niâ€“Cr alloy prepared by selective laser melting: a preliminary in vitro study. Journal of Materials Research and Technology, 2019, 8, 1587-1592. | 2.6 | 12 |
| 40 | Biocompatibility of Niâ€“Cr alloys, with the same composition, prepared by two new digital manufacturing techniques. Materials Letters, 2021, 305, 130761. | 1.3 | 12 |
| 41 | A Simple 2-step Silane Treatment for Improved Bonding Durability of Resin Cement to Quartz Fiber Post. Journal of Endodontics, 2013, 39, 1287-1290. | 1.4 | 11 |
| 42 | From discrete to infinite 3D coordination polymer: Sonochemical syntheses and structural characterization of a new nano flower lead (II) coordination compound. Journal of Molecular Structure, 2014, 1076, 698-703. | 1.8 | 11 |
| 43 | Setting Reaction of Dental Resin-Modified Glass Ionomer Restoratives as a Function of Curing Depth and Postirradiation Time. Journal of Spectroscopy, 2015, 2015, 1-8. | 0.6 | 11 |
| 44 | Post space preparation timing of root canals sealed with AH Plus sealer. Restorative Dentistry & Endodontics, 2017, 42, 27. | 0.6 | 11 |
| 45 | Comparative clinical study of the marginal discrepancy of fixed dental prosthesis fabricated by the milling-sintering method using a presintered alloy. Journal of Advanced Prosthodontics, 2019, 11, 280. | 1.1 | 11 |
| 46 | Drug delivery from titanium surface using biodegradable nanoparticle carriers. Materials Letters, 2012, 89, 129-132. | 1.3 | 10 |
| 47 | Durability of resin bond strength to dental noble metalâ€“ceramic alloys conditioned with novel mercapto silane-based primer systems. Journal of Adhesion Science and Technology, 2016, 30, 506-519. | 1.4 | 10 |
| 48 | Fabricating High-Quality 3D-Printed Alloys for Dental Applications. Applied Sciences (Switzerland), 2017, 7, 710. | 1.3 | 10 |
| 49 | Comparative Study of the Fit Accuracy of Full-Arch Bar Frameworks Fabricated with Different Presintered Cobalt-Chromium Alloys. BioMed Research International, 2018, 2018, 1-7. | 0.9 | 10 |
| 50 | Antibacterial effects of 4â€META/MMAâ€TBB resin containing chlorhexidine. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 561-567. | 1.6 | 9 |
| 51 | Effect of heat treatment of dental zirconia ceramic treated with three different primers on the bonding durability of resin cement. Macromolecular Research, 2013, 21, 71-77. | 1.0 | 9 |
| 52 | The effect of 4,4'-bis(N,N-diethylamino) benzophenone on the degree of conversion in liquid photopolymer for dental 3D printing. Journal of Advanced Prosthodontics, 2015, 7, 386. | 1.1 | 9 |
| 53 | Long-term release of chlorhexidine from dental adhesive resin system using human serum albumin nanoparticles. Polymer Bulletin, 2014, 71, 875-886. | 1.7 | 8 |
| 54 | Simple Heat Treatment of Zirconia Ceramic Pre-Treated with Silane Primer to Improve Resin Bonding. Journal of Nanoscience and Nanotechnology, 2015, 15, 587-590. | 0.9 | 8 |

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| 55 | Effect of adhesive resin flexibility on enamel fracture during metal bracket debonding: anex vivostudy. European Journal of Orthodontics, 2015, 37, 550-555. | 1.1 | 8 |
| 56 | Preliminary evaluation of bone graft substitute produced by bone of duck beak. Materials Letters, 2014, 121, 181-184. | 1.3 | 7 |
| 57 | Effect of dental silane primer activation time on resinâ€“ceramic bonding. Journal of Adhesion Science and Technology, 2015, 29, 1155-1167. | 1.4 | 7 |
| 58 | The Application of a Novel Ceramic Liner Improves Bonding between Zirconia and Veneering Porcelain. Materials, 2017, 10, 1023. | 1.3 | 7 |
| 59 | Effect of Different Post-Sintering Temperatures on the Microstructures and Mechanical Properties of a Pre-Sintered Coâ€“Cr Alloy. Metals, 2018, 8, 1036. | 1.0 | 7 |
| 60 | Development of an experimental model for radiation-induced inhibition of cranial bone regeneration. Maxillofacial Plastic and Reconstructive Surgery, 2018, 40, 34. | 0.7 | 7 |
| 61 | Polymerization kinetics of dual-curing adhesive systems when used solely or in conjunction with chemically-cured resin cement. Journal of Adhesive Dentistry, 2013, 15, 453-9. | 0.3 | 7 |
| 62 | Dentin Bonding of TheraCal LC Calcium Silicate Containing an Acidic Monomer: An In Vitro Study. Materials, 2020, 13, 293. | 1.3 | 7 |
| 63 | The influence of PMMA in 4-META/MMA-TBB resin on the degree of conversion and bonding durability to titanium. Materials Science and Engineering C, 2010, 30, 219-223. | 3.8 | 6 |
| 64 | Antifungal Effect of a Dental Tissue Conditioner Containing Nystatin-Loaded Alginate Microparticles. Journal of Nanoscience and Nanotechnology, 2018, 18, 848-852. | 0.9 | 6 |
| 65 | An endoplasmic reticulum stress regulator, Tmbim6 , modulates secretory stage of mice molar. Journal of Cellular Physiology, 2019, 234, 20354-20365. | 2.0 | 6 |
| 66 | Effects of Prepolymerized Particle Size and Polymerization Kinetics on Volumetric Shrinkage of Dental Modeling Resins. BioMed Research International, 2014, 2014, 1-6. | 0.9 | 5 |
| 67 | Surface Roughness Effect on the Solid Equilibrium Contact Angle. Journal of Nanoscience and Nanotechnology, 2017, 17, 4271-4274. | 0.9 | 5 |
| 68 | Comparison of microstructures and mechanical properties of 3 cobalt-chromium alloys fabricated with soft metal milling technology. Journal of Prosthetic Dentistry, 2022, 127, 489-496. | 1.1 | 5 |
| 69 | Antimicrobial effect of chlorhexidine-releasing porous hydroxyapatite scaffold incorporated with human serum albumin nanoparticles. Materials Letters, 2020, 266, 127479. | 1.3 | 5 |
| 70 | Influence of Molecular Weight of PMMA in PMMA/MMA-TBB Resin on Durability of Adhesion to Titanium against Thermal Stress in Water. Dental Materials Journal, 2006, 25, 291-297. | 0.8 | 4 |
| 71 | Fabrication and in vitro evaluation of natural duck beak bone/synthetic hydroxyapatite bi-layered scaffold for bone regeneration. Materials Letters, 2018, 220, 186-189. | 1.3 | 4 |
| 72 | Surface Roughness of a 3D-Printed Niâ€“Cr Alloy Produced by Selective Laser Melting: Effect of Process Parameters. Journal of Nanoscience and Nanotechnology, 2018, 18, 2037-2040. | 0.9 | 4 |

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| 73 | Effect of Post-Sintering Conditions on the Mechanical Properties of a New Coâ€“Cr Alloy Produced by New Subtractive Manufacturing. Journal of Nanoscience and Nanotechnology, 2019, 19, 2395-2398. | 0.9 | 4 |
| 74 | Developmental Roles of FUSE Binding Protein 1 (Fubp1) in Tooth Morphogenesis. International Journal of Molecular Sciences, 2020, 21, 8079. | 1.8 | 4 |
| 75 | Mechanical Property Comparison of Niâ€“Crâ€“Mo Alloys Fabricated via One Conventional and Two New Digital Manufacturing Techniques. Applied Sciences (Switzerland), 2021, 11, 9308. | 1.3 | 2 |
| 76 | Nanomaterials for Medical and Dental Applications. Journal of Nanomaterials, 2015, 2015, 1-2. | 1.5 | 1 |
| 77 | Repairing fractured ceramic veneer with CAD/CAM ceramic blocks: a preliminary tensile bond strength study. Materials Technology, 2019, 34, 43-50. | 1.5 | 1 |
| 78 | Challenging the Resin-Zirconia Interface by Thermal Cycling or Mechanical Load Cycling or Their Combinations. Applied Sciences (Switzerland), 2020, 10, 7352. | 1.3 | 1 |
| 79 | Effect of Incorporating a Dimethacrylate Monomer on the Shear Bond Strength of Two Adhesive Resin Cements to Zirconia Ceramic. Journal of Nanoscience and Nanotechnology, 2021, 21, 4046-4050. | 0.9 | 1 |
| 80 | Thermal and Spectroscopic Analyses of Human Adipose Tissue-Derived Extracellular Matrix. Journal of Nanoscience and Nanotechnology, 2021, 21, 3662-3666. | 0.9 | 1 |
| 81 | Efficacy of polydopamine-coated titanium in order to improve bond strengths for dental resin cement. Korean Journal of Dental Materials, 2017, 44, 179-186. | 0.2 | 1 |
| 82 | Comparison of Mechanical Properties of Six Flowable Composite Resins and a Conventional Composite Resin. Korean Journal of Dental Materials, 2016, 43, 159-166. | 0.2 | 1 |
| 83 | Effect of polymerization temperature on the mechanical properties of provisional prosthesis resins. Korean Journal of Dental Materials, 2017, 44, 311-318. | 0.2 | 1 |
| 84 | Evaluation on machining accuracy according to convergence angle and radius of curvature value used for fabricating custom abutments. Korean Journal of Dental Materials, 2017, 44, 329-336. | 0.2 | 1 |
| 85 | Resin Bonding to Type IV Gold Alloy Conditioned with a Novel Mercapto Silane System: Effect of Incorporation of a Phosphate Monomer. Journal of Nanoscience and Nanotechnology, 2018, 18, 1308-1311. | 0.9 | 0 |
| 86 | Comparison of Biocompatibility of Three Soft Milled Cobaltâ€“Chromium Alloys. Journal of Nanoscience and Nanotechnology, 2021, 21, 3950-3954. | 0.9 | 0 |
| 87 | Evaluation of Resin Bonding to Tetragonal and Gradient-Shaded Cubic Zirconia Ceramics After Air-Abrasion. Journal of Nanoscience and Nanotechnology, 2021, 21, 4959-4963. | 0.9 | 0 |
| 88 | Characteristics Analysis of Ni-Cr Metal Powder for Selective Laser Melting Process Produced by High-Pressure Water Atomized Technology. Korean Journal of Dental Materials, 2016, 43, 289-298. | 0.2 | 0 |
| 89 | Characteristics Analysis of Ni-Cr Metal Powder Produced by Mechanical Alloying Method. Korean Journal of Dental Materials, 2016, 43, 323-329. | 0.2 | 0 |
| 90 | Significant considerations of mechanical strength of BLT implant (Roxolid): Correlation between material and product strength under static and fatigue loads. Korean Journal of Dental Materials, 2018, 45, 77-88. | 0.2 | 0 |

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| 91 | Effect of pre-curing of two universal adhesives on the shear bond strength of resin cement to zirconia. Korean Journal of Dental Materials, 2019, 46, 21-32. | 0.2 | 0 |
| 92 | Effect of silane and alkali treatment on the shear bond strength between two Ni-Cr alloys and acrylic resin. Korean Journal of Dental Materials, 2019, 46, 243-252. | 0.2 | 0 |
| 93 | Effect of Incorporating Zirconia Powder into a Primer on the Resin Bond Strength to Zirconia Ceramic. Journal of Nanoscience and Nanotechnology, 2020, 20, 5575-5578. | 0.9 | 0 |
| 94 | Effect of silane and alkali treatment on the shear bond strength of acrylic resin to two Co-Cr alloys. Korean Journal of Dental Materials, 2020, 47, 51-62. | 0.2 | 0 |