

Humberto Naoyuki Yoshimura

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,640
citations

279487

23
h-index

315357

38
g-index

68
all docs

68
docs citations

68
times ranked

1301
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Second-phase evolution and densification behavior of AlN with CaO-Y ₂ O ₃ -C multicomponent additive system. <i>Ceramics International</i> , 2022, 48, 6615-6626. | 2.3 | 5 |
| 2 | Is It Necessary to Photoactivate the Adhesive System Inside Ceramic Laminate Veneers in a Luting Procedure?. <i>International Journal of Prosthodontics</i> , 2019, 32, 533-540. | 0.7 | 9 |
| 3 | Effect of previous photoactivation of the adhesive system on the color stability and mechanical properties of resin components in ceramic laminate veneer luting. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 631.e1-631.e6. | 1.1 | 10 |
| 4 | The role of CaO additive on sintering of aluminum nitride ceramics. <i>Ceramics International</i> , 2017, 43, 16972-16979. | 2.3 | 37 |
| 5 | Effects of glass chemistry on the optical properties of highly translucent alumina-glass biocomposites for dental restorations. <i>Ceramics International</i> , 2017, 43, 13970-13977. | 2.3 | 2 |
| 6 | Effects of Milling pH and Hydrothermal Treatment on Formation of Nanostructured Boehmite Binder for Alumina Extrusion. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-14. | 1.5 | 0 |
| 7 | Evaluation of Mechanochemical and Hydrothermal Transformations in a Wet-Milled Alumina by Transmission Electron Microscopy and Thermal Analysis. <i>Materials Science Forum</i> , 2016, 881, 46-51. | 0.3 | 1 |
| 8 | Effect of different aging methods on the mechanical behavior of multi-layered ceramic structures. <i>Dental Materials</i> , 2016, 32, 1536-1542. | 1.6 | 11 |
| 9 | Devitrification in SiO ₂ -B ₂ O ₃ -Al ₂ O ₃ -La ₂ O ₃ -TiO ₂ Glass during the Infiltration of Ceramic Composite. <i>Materials Science Forum</i> , 2016, 881, 77-82. | | |
| 10 | Influence of Multi-cycle Infiltration on Porosity and Optical Properties of Glassinfiltrated Alumina Biocomposites for Dental Restorations. <i>Journal of Dental Science and Therapy</i> , 2016, 1, 7-11. | 0.1 | 1 |
| 11 | Effect of fiber addition on slow crack growth of a dental porcelain. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 44, 85-95. | 1.5 | 10 |
| 12 | Systematic approach to preparing ceramic-glass composites with high translucency for dental restorations. <i>Dental Materials</i> , 2015, 31, 1188-1197. | 1.6 | 9 |
| 13 | Evaluation of glass viscosity of dental bioceramics by the SciGlass information system. <i>Ceramics International</i> , 2015, 41, 10000-10009. | 2.3 | 4 |
| 14 | Effects of Hydrogen Content in Nitrogen-Based Sintering Atmosphere on Microstructure and Mechanical Properties of Fe-0.3%C-0.1%B Alloy. <i>Materials Science Forum</i> , 2014, 802, 477-482. | 0.3 | 0 |
| 15 | Ecofriendly alumina processing with in situ formed nanostructured boehmite binder. <i>Materials Letters</i> , 2014, 137, 293-296. | 1.3 | 4 |
| 16 | Ultra-low friction coefficient in alumina-silicon nitride pair lubricated with water. <i>Wear</i> , 2012, 296, 656-659. | 1.5 | 25 |
| 17 | Relationship between elastic and mechanical properties of dental ceramics and their index of brittleness. <i>Ceramics International</i> , 2012, 38, 4715-4722. | 2.3 | 25 |
| 18 | Effect of sample pre-cracking method and notch geometry in plane strain fracture toughness tests as applied to a PMMA resin. <i>Polymer Testing</i> , 2012, 31, 834-840. | 2.3 | 33 |

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|----|---|-----|-----------|
| 19 | Effect of Test Environment and Microstructure on the Flexural Strength of Dental Porcelains. Journal of Prosthodontics, 2011, 20, 275-279. | 1.7 | 6 |
| 20 | Slow crack growth and reliability of dental ceramics. Dental Materials, 2011, 27, 394-406. | 1.6 | 135 |
| 21 | Effect of the microstructure on the lifetime of dental ceramics. Dental Materials, 2011, 27, 710-721. | 1.6 | 80 |
| 22 | Flexural strength and failure modes of layered ceramic structures. Dental Materials, 2011, 27, 1259-1266. | 1.6 | 124 |
| 23 | Effect of ion exchange on R-curve behavior of a dental porcelain. Journal of Materials Science, 2011, 46, 117-122. | 1.7 | 9 |
| 24 | Effect of temperature and heating rate on the sintering of leucite-based dental porcelains. Ceramics International, 2011, 37, 1073-1078. | 2.3 | 21 |
| 25 | Determination of the slow crack growth susceptibility coefficient of dental ceramics using different methods. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 247-257. | 1.6 | 12 |
| 26 | Low-temperature synthesis of AlN powder with multicomponent additive systems by carbothermal reduction-nitridation method. Materials Research Bulletin, 2010, 45, 733-738. | 2.7 | 46 |
| 27 | Effect of ion-exchange temperature on mechanical properties of a dental porcelain. Ceramics International, 2010, 36, 1977-1981. | 2.3 | 7 |
| 28 | Efeitos do carbono na evoluçãõ de segundas-fases e na densificaçãõ do nitrato de alumÃnio com Y2O3. Ceramica, 2010, 56, 331-339. | 0.3 | 1 |
| 29 | Efeitos do condicionamento de uma porcelana dentÃria em meio de saliva artificial na resistÃncia mecÃnica e previsÃõ do tempo de vida. Ceramica, 2009, 55, 190-198. | 0.3 | 5 |
| 30 | Effect of ion exchange on strength and slow crack growth of a dental porcelain. Dental Materials, 2009, 25, 736-743. | 1.6 | 33 |
| 31 | Effect of processing induced particle alignment on the fracture toughness and fracture behavior of multiphase dental ceramics. Dental Materials, 2009, 25, 1293-1301. | 1.6 | 32 |
| 32 | High temperature flexural strength and fracture toughness of AlN with Y2O3 ceramic. Journal of Materials Science, 2009, 44, 5773-5780. | 1.7 | 15 |
| 33 | Sintering mechanisms in aluminum nitride with Y or Ca-containing additive. Journal of Materials Science: Materials in Electronics, 2009, 20, 1-8. | 1.1 | 26 |
| 34 | Subcritical crack growth in porcelains, glass-ceramics, and glass-infiltrated alumina composite for dental restorations. Journal of Materials Science: Materials in Medicine, 2009, 20, 1017-24. | 1.7 | 42 |
| 35 | Light scattering in polycrystalline alumina with bi-dimensionally large surface grains. Journal of the European Ceramic Society, 2009, 29, 293-303. | 2.8 | 18 |
| 36 | Al2O3/GdAlO3 fiber for dental porcelain reinforcement. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 471-477. | 1.5 | 17 |

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|----|--|-----|-----------|
| 37 | Stress intensity factor threshold in dental porcelains. Journal of Materials Science: Materials in Medicine, 2008, 19, 1945-1951. | 1.7 | 19 |
| 38 | Evaluation of aluminum dross waste as raw material for refractories. Ceramics International, 2008, 34, 581-591. | 2.3 | 104 |
| 39 | Influence of pH on slow crack growth of dental porcelains. Dental Materials, 2008, 24, 814-823. | 1.6 | 47 |
| 40 | Influence of leucite content on slow crack growth of dental porcelains. Dental Materials, 2008, 24, 1114-1122. | 1.6 | 43 |
| 41 | Effect of TiO ₂ addition on the chemical durability of Bi ₂ O ₃ -SiO ₂ -ZnO-B ₂ O ₃ glass system. Journal of Non-Crystalline Solids, 2008, 354, 4777-4785. | 1.5 | 31 |
| 42 | Mechanical properties and porosity of dental glass-ceramics hot-pressed at different temperatures. Materials Research, 2008, 11, 301-306. | 0.6 | 33 |
| 43 | Efeito da incorpora o de lodo de ETA contendo alto teor de ferro em cer mica argilosa. Ceramica, 2008, 54, 63-76. | 0.3 | 14 |
| 44 | Porosity dependence of elastic constants in aluminum nitride ceramics. Materials Research, 2007, 10, 127-133. | 0.6 | 59 |
| 45 | Zirc nia parcialmente estabilizada de baixo custo produzida por meio de mistura de p s com aditivos do sistema MgO-Y ₂ O ₃ -CaO. Ceramica, 2007, 53, 116-132. | 0.3 | 6 |
| 46 | Effect of ion exchange on hardness and fracture toughness of dental porcelains. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 538-545. | 1.6 | 28 |
| 47 | Influence of compaction manufacturing process on the physical and electrical characteristics of high-voltage varistor. Journal of Materials Science: Materials in Electronics, 2007, 18, 957-962. | 1.1 | 1 |
| 48 | Effects of CaCO ₃ content on the densification of aluminum nitride. Journal of the European Ceramic Society, 2006, 26, 3431-3440. | 2.8 | 27 |
| 49 | Relationship between fracture toughness and flexural strength in dental porcelains. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 78B, 265-273. | 1.6 | 37 |
| 50 | Influence of the Finishing Technique on Surface Roughness of Dental Porcelains with Different Microstructures. Operative Dentistry, 2006, 31, 577-583. | 0.6 | 40 |
| 51 | Efeito do teor de Y ₂ O ₃ na sinteriza o do nitreto de alum nio. Ceramica, 2006, 52, 151-160. | 0.3 | 7 |
| 52 | Fracture Toughness of Dental Porcelains Evaluated by IF, SCF, and SEP Methods. Journal of the American Ceramic Society, 2005, 88, 1680-1683. | 1.9 | 36 |
| 53 | Efeito da porosidade nas propriedades mec nicas de uma alumina de elevada pureza. Ceramica, 2005, 51, 239-251. | 0.3 | 20 |
| 54 | Correlation between fracture toughness and leucite content in dental porcelains. Journal of Dentistry, 2005, 33, 721-729. | 1.7 | 76 |

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|----|--|-----|-----------|
| 55 | Designing a new family of high temperature wear resistant alloys based on Ni ₃ Al IC: experimental results and thermodynamic modelling. <i>Intermetallics</i> , 2004, 12, 963-968. | 1.8 | 23 |
| 56 | Sintering of 6H(±)-SiC and 3C(±)-SiC powders with B ₄ C and C additives. <i>Journal of Materials Science</i> , 2002, 37, 1541-1546. | 1.7 | 20 |
| 57 | Influence of Silica and Aluminum Contents on Sintering of and Grain Growth in 6H±SiC Powders. <i>Journal of the American Ceramic Society</i> , 2000, 83, 226-28. | 1.9 | 31 |
| 58 | Two-body abrasive wear of Al±SiC composites. <i>Wear</i> , 1999, 233-235, 444-454. | 1.5 | 107 |
| 59 | Intermediate Oxide Layers for Direct Bonding of Copper (DBC) to Aluminum Nitride Ceramic Substrates. <i>Materials Science Forum</i> , 0, 660-661, 658-663. | 0.3 | 6 |
| 60 | Subcritical Crack Growth Velocities (v-K Curves) of Dental Bioceramics. <i>Materials Science Forum</i> , 0, 727-728, 1211-1216. | 0.3 | 2 |
| 61 | Mechanical Characterization of Tricalcium Phosphate Ceramics Doped with Magnesium. <i>Materials Science Forum</i> , 0, 798-799, 454-459. | 0.3 | 3 |
| 62 | Strengthening Dental Porcelains by Ion Exchange Process. , 0, , . | | 1 |
| 63 | Development of WC-Fe₃Al Composites by Spark Plasma Sintering Process. <i>Materials Science Forum</i> , 0, 881, 307-312. | 0.3 | 1 |
| 64 | Effects of Milling Time on Microstructure and Mechanical Properties of Composite WC-(Fe₃Al-B) Consolidated by Spark Plasma Sintering. <i>Materials Science Forum</i> , 0, 899, 487-492. | 0.3 | 1 |
| 65 | Effects of Microstructural Anisotropy on Fracture Behavior of Heat-Pressed Glass-Ceramics and Glass-Infiltrated Alumina Composites for Dental Restorations. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 77-88. | 0.1 | 0 |