# Bin Deng

List of Publications by Year
in descending order



| 67 | 974 | 933447 | 610901 |
|---|---|---|---|
| papers | citations | 10 | 24 |
| | | h-index | g-index |

| 68 | 68 | 68 | 1872 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Toxicity of graphene-family nanoparticles: a general review of the origins and mechanisms. Particle and Fibre Toxicology, 2016, 13, 57. | 6.2 | 540 |
| 2 | Maresin Biosynthesis and Identification of Maresin 2, a New Anti-Inflammatory and Pro-Resolving Mediator from Human Macrophages. PLoS ONE, 2014, 9, e102362. | 2.5 | 130 |
| 3 | Involvement of autophagy in tantalum nanoparticle-induced osteoblast proliferation. International Journal of Nanomedicine, 2017, Volume 12, 4323-4333. | 6.7 | 49 |
| 4 | Multimodal breast cancer imaging using coregistered dynamic diffuse optical tomography and digital breast tomosynthesis. Journal of Biomedical Optics, 2017, 22, 046008. | 2.6 | 38 |
| 5 | Characterization of structural-prior guided optical tomography using realistic breast models derived from dual-energy x-ray mammography. Biomedical Optics Express, 2015, 6, 2366. | 2.9 | 37 |
| 6 | Improved accuracy of cerebral blood flow quantification in the presence of systemic physiology cross-talk using multi-layer Monte Carlo modeling. Neurophotonics, 2021, 8, 015001. | 3.3 | 33 |
| 7 | Effects of small-grit grinding and glazing on mechanical behaviors and ageing resistance of a super-translucent dental zirconia. Journal of Dentistry, 2017, 66, 23-31. | 4.1 | 23 |
| 8 | Normalization of compression-induced hemodynamics in patients responding to neoadjuvant chemotherapy monitored by dynamic tomographic optical breast imaging (DTOBI). Biomedical Optics Express, 2017, 8, 555. | 2.9 | 21 |
| 9 | Complete head cerebral sensitivity mapping for diffuse correlation spectroscopy using subject-specific magnetic resonance imaging models. Biomedical Optics Express, 2022, 13, 1131. | 2.9 | 16 |
| 10 | Surface Microhardness and Flexural Strength of Colored Zirconia. Advanced Materials Research, 0, 105-106, 49-50. | 0.3 | 12 |
| 11 | Characterizing breast lesions through robust multimodal data fusion using independent diffuse optical and x-ray breast imaging. Journal of Biomedical Optics, 2015, 20, 080502. | 2.6 | 12 |
| 12 | Impact of errors in experimental parameters on reconstructed breast images using diffuse optical tomography. Biomedical Optics Express, 2018, 9, 1130. | 2.9 | 10 |
| 13 | Self-calibration of area function for mechanical property determination with nanoindentation tests. Journal of Materials Science, 2020, 55, 16002-16017. | 3.7 | 7 |
| 14 | Relative Translucency Test of 3 All-Ceramics System Core Material. Advanced Materials Research, 0, 177, 298-301. | 0.3 | 4 |
| 15 | Binding Performance of a Zirconia Framework Material and Veneering Porcelain. Advanced Materials Research, 0, 177, 186-189. | 0.3 | 4 |
| 16 | Preparation and Properties of Porous Î²â€“Tricalcium Phosphate Bone Graft. Advanced Materials Research, 0, 624, 226-230. | 0.3 | 4 |
| 17 | Study on Dental Colored Zirconia Restoration. Key Engineering Materials, 2008, 368-372, 1255-1257. | 0.4 | 3 |
| 18 | Relative Translucency of IPS E.max LT Core Materials after Veneering and Glazing. Key Engineering Materials, 0, 492, 358-361. | 0.4 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Efficiency of Normal Distribution in Statistical Characterization of the Experimentally Measured Strength for Ceramics. Journal of Materials Engineering and Performance, 2021, 30, 42-55. | 2.5 | 3 |
| 20 | Mechanical and hemodynamic responses of breast tissue under mammographic-like compression during functional dynamic optical imaging. Biomedical Optics Express, 2020, 11, 5425. | 2.9 | 3 |
| 21 | Strength and Fracture Mode for Dental Colored ZrO<sub>2</sub> Ceramics Coated with Dental Porcelain. Key Engineering Materials, 2008, 368-372, 1248-1251. | 0.4 | 2 |
| 22 | Test of Relative Translucency for Three Veneered All-Ceramic Systems Core Material. Advanced Materials Research, 2010, 177, 302-305. | 0.3 | 2 |
| 23 | Influence of Multiple Firing on the Bending Strength of Zirconia/Porcelain Bilayered Dental Ceramics. Key Engineering Materials, 2011, 492, 24-29. | 0.4 | 2 |
| 24 | Mechanical Properties of Y-TZP Ceramic after Different Surface Treatments. Key Engineering Materials, 2011, 492, 71-74. | 0.4 | 2 |
| 25 | Measuring the Infinite Optical Thickness of Dentine Porcelain of the IPS E.max. Key Engineering Materials, 0, 492, 349-353. | 0.4 | 2 |
| 26 | Masking Ability of IPS e.max ALL-Ceramics System of HO Series. Key Engineering Materials, 2012, 512-515, 1784-1787. | 0.4 | 2 |
| 27 | Description of the statistical variations of the measured strength for brittle ceramics: A comparison between two-parameter Weibull distribution and normal distribution. Processing and Application of Ceramics, 2020, 14, 293-302. | 0.8 | 2 |
| 28 | Microstructure of Interface between Zirconia and Veneer Porcelain. Key Engineering Materials, 0, 492, 55-60. | 0.4 | 1 |
| 29 | Biological Safety Assessment of a Colored Zirconia Ceramic: Hemolysis and Short-Term Systemic Toxicity Tests. Key Engineering Materials, 0, 492, 505-508. | 0.4 | 1 |
| 30 | Soak Colored Zirconia Ceramics and its Colorimetric Plate. Key Engineering Materials, 2011, 492, 362-365. | 0.4 | 1 |
| 31 | Effect of Resin Cements for Porcelain Veneers on the Color Stability after Accelerated Ageing. Advanced Materials Research, 0, 624, 216-220. | 0.3 | 1 |
| 32 | Bond Strength of Veneering Ceramics to a Graded Zirconia Core. Advanced Materials Research, 2012, 624, 221-225. | 0.3 | 1 |
| 33 | Effect of Zirconia Surface Roughness on Shear Bond Strength to Resin Cements. Key Engineering Materials, 2012, 512-515, 1765-1769. | 0.4 | 1 |
| 34 | A Comparative Study on Relative Translucency of Four Dental All-Ceramic Core Materials. Key Engineering Materials, 0, 544, 392-395. | 0.4 | 1 |
| 35 | Effects of CBL Mode to Residency Training Doctor of Prosthodontics for Making Diagnosis and Treatment Plan. , 2017, , . | | 1 |
| 36 | Effects of Veneering Porcelain Type on Bending Strength of Dental Y-TZP/Porcelain Bilayered Structure. Advanced Materials Research, 0, 105-106, 524-527. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A New Type of Colored Alumina/Glass Composite Biological Safety Assessment â€“ Cell Toxicity and Hemolysis Tests. Advanced Materials Research, 0, 177, 459-461. | 0.3 | 0 |
| 38 | Evaluation of Glass Infiltration Speed within Dental CAD/CAM Alumina at Different Temperatures. Advanced Materials Research, 0, 177, 314-317. | 0.3 | 0 |
| 39 | A New Type of Colored Alumina/Glass Composite Biological Safety Assessment - Oral Mucous Membrane Irritation and Skin Sensitivity Tests. Advanced Materials Research, 2010, 177, 462-465. | 0.3 | 0 |
| 40 | Effects of Presintering Temperature and Heating Rate on the Physical and Mechanical Properties of Alumina-Glass-Composites. Advanced Materials Research, 2010, 105-106, 549-552. | 0.3 | 0 |
| 41 | Influence of Background Material on 3 Veneered All-Ceramic Core Materials. Advanced Materials Research, 2010, 177, 293-297. | 0.3 | 0 |
| 42 | Influence of Different Ceric Oxide and Ferric Oxide Content on the Color of Alumina-Glass-Composites Restoration. Advanced Materials Research, 2010, 105-106, 536-538. | 0.3 | 0 |
| 43 | Spectral Transmittance of Six All-Ceramic Core Materials after Veneering Ceramic. Advanced Materials Research, 2011, 412, 352-355. | 0.3 | 0 |
| 44 | Effect of Background Color on In-Ceram and Cercon All-Ceramic Core Material. Advanced Materials Research, 2011, 412, 356-360. | 0.3 | 0 |
| 45 | Biological Safety Assessment of a Colored Zirconia Ceramic: Cell Toxicity and Skin Sensitivity Tests. Key Engineering Materials, 2011, 492, 509-512. | 0.4 | 0 |
| 46 | Contrast Ratios and Chromatic Value of IPS E.max LT Framework Materials. Key Engineering Materials, 0, 492, 354-357. | 0.4 | 0 |
| 47 | Relative Translucency of Dental Lithium Disilicate Ceramic Restorations. Key Engineering Materials, 0, 512-515, 1775-1778. | 0.4 | 0 |
| 48 | Effects of Alveolar Bone Loss and Post-Core Design on Stress Distribution of Severely Damaged Canine. Key Engineering Materials, 2012, 512-515, 1770-1774. | 0.4 | 0 |
| 49 | The Influence of Background Color to 3 All-Ceramic System Core Materials. Key Engineering Materials, 2012, 512-515, 1788-1792. | 0.4 | 0 |
| 50 | Affection of Post-Core Materials on the Resultant Color of Lithium Disilicate Ceramic Restorations. Key Engineering Materials, 0, 512-515, 1761-1764. | 0.4 | 0 |
| 51 | Inï¬‚uence of Thickness on Residual Stress Proï¬le in Veneering Ceramic Layered: Measurement by Hole-Drilling. Key Engineering Materials, 0, 512-515, 1779-1783. | 0.4 | 0 |
| 52 | Preparation of Pigmented Glass for Infiltration and Investigation of its Physical and Mechanical Properties. Key Engineering Materials, 0, 512-515, 1802-1806. | 0.4 | 0 |
| 53 | Comparing Study on Translucency of Four Veneered Dental All-Ceramic Core Materials. Advanced Materials Research, 2012, 624, 235-238. | 0.3 | 0 |
| 54 | Comparing Study on Transmittance of Four Dental All-Ceramic Core Material. Advanced Materials Research, 0, 624, 231-234. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | The Effect of Varying Ferrule Modes on Fracture Resistance of Canines Restored with One-Piece Milled Zirconia Post and Core. Advanced Materials Research, 0, 624, 98-102. | 0.3 | 0 |
| 56 | Bond Strength of Different Adhesive Luting Materials to Zirconia Ceramics. Key Engineering Materials, 0, 512-515, 447-450. | 0.4 | 0 |
| 57 | Colorimetric Comparison of Two Kinds of VITA Shade Guides. Key Engineering Materials, 0, 512-515, 1807-1810. | 0.4 | 0 |
| 58 | Effects of the Mechanical Properties of Veneering Porcelain on Stress Distribution of Dental Zirconia Layered Structure: A Finite Element Model Study. Key Engineering Materials, 0, 512-515, 1797-1801. | 0.4 | 0 |
| 59 | The Transmittance Test of 3 All-Ceramic System Core Materials. Key Engineering Materials, 2012, 512-515, 1793-1796. | 0.4 | 0 |
| 60 | Comparative Measurement on Transmittance of Four Systems of Dental All-Ceramic Zirconia Materials. Advanced Materials Research, 0, 833, 185-188. | 0.3 | 0 |
| 61 | Test of Relative Translucency for Four All-Ceramic Core Material after Veneering Ceramic. Key Engineering Materials, 0, 544, 388-391. | 0.4 | 0 |
| 62 | The Programming of Dentistry CCS/CCM Software. Key Engineering Materials, 0, 544, 502-506. | 0.4 | 0 |
| 63 | Effect of Post-Core Materials on the Color Value of Four Dental All-Ceramic Cores. Key Engineering Materials, 0, 544, 396-400. | 0.4 | 0 |
| 64 | Comparative Measurement on Translucency of Four Systems of Dental All-Ceramic Zirconia Materials. Advanced Materials Research, 2013, 833, 181-184. | 0.3 | 0 |
| 65 | Effect of Background Color to the Final Color of Four Highly Transparent Ceramics after Veneered. Key Engineering Materials, 2015, 655, 122-125. | 0.4 | 0 |
| 66 | Bilingual Teaching Efficiency of Prosthodontics in Different Teaching Methods. , 2017, , . | | 0 |
| 67 | Treatment Response Monitoring with Diffuse Optical Tomography-Based Multimodal Breast Imaging. , 2020, , . | | 0 |