

Bin Deng

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

974
citations

933410

10
h-index

610883

24
g-index

68
all docs

68
docs citations

68
times ranked

1872
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of graphene-family nanoparticles: a general review of the origins and mechanisms. <i>Particle and Fibre Toxicology</i> , 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. <i>PLoS ONE</i> , 2014, 9, e102362.	2.5	130
3	Involvement of autophagy in tantalum nanoparticle-induced osteoblast proliferation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4323-4333.	6.7	49
4	Multimodal breast cancer imaging using coregistered dynamic diffuse optical tomography and digital breast tomosynthesis. <i>Journal of Biomedical Optics</i> , 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. <i>Biomedical Optics Express</i> , 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. <i>Neurophotonics</i> , 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. <i>Journal of Dentistry</i> , 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). <i>Biomedical Optics Express</i> , 2017, 8, 555.	2.9	21
9	Complete head cerebral sensitivity mapping for diffuse correlation spectroscopy using subject-specific magnetic resonance imaging models. <i>Biomedical Optics Express</i> , 2022, 13, 1131.	2.9	16
10	Surface Microhardness and Flexural Strength of Colored Zirconia. <i>Advanced Materials Research</i> , 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. <i>Journal of Biomedical Optics</i> , 2015, 20, 080502.	2.6	12
12	Impact of errors in experimental parameters on reconstructed breast images using diffuse optical tomography. <i>Biomedical Optics Express</i> , 2018, 9, 1130.	2.9	10
13	Self-calibration of area function for mechanical property determination with nanoindentation tests. <i>Journal of Materials Science</i> , 2020, 55, 16002-16017.	3.7	7
14	Relative Translucency Test of 3 All-Ceramics System Core Material. <i>Advanced Materials Research</i> , 0, 177, 298-301.	0.3	4
15	Binding Performance of a Zirconia Framework Material and Veneering Porcelain. <i>Advanced Materials Research</i> , 0, 177, 186-189.	0.3	4
16	Preparation and Properties of Porous β -Tricalcium Phosphate Bone Graft. <i>Advanced Materials Research</i> , 0, 624, 226-230.	0.3	4
17	Study on Dental Colored Zirconia Restoration. <i>Key Engineering Materials</i> , 2008, 368-372, 1255-1257.	0.4	3
18	Relative Translucency of IPS E.max LT Core Materials after Veneering and Glazing. <i>Key Engineering Materials</i> , 0, 492, 358-361.	0.4	3

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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 ₂ 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

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37	A New Type of Colored Alumina/Glass Composite Biological Safety Assessment – Cell Toxicity and Hemolysis Tests. <i>Advanced Materials Research</i> , 0, 177, 459-461.	0.3	0
38	Evaluation of Glass Infiltration Speed within Dental CAD/CAM Alumina at Different Temperatures. <i>Advanced Materials Research</i> , 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. <i>Advanced Materials Research</i> , 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. <i>Advanced Materials Research</i> , 2010, 105-106, 549-552.	0.3	0
41	Influence of Background Material on 3 Veneered All-Ceramic Core Materials. <i>Advanced Materials Research</i> , 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. <i>Advanced Materials Research</i> , 2010, 105-106, 536-538.	0.3	0
43	Spectral Transmittance of Six All-Ceramic Core Materials after Veneering Ceramic. <i>Advanced Materials Research</i> , 2011, 412, 352-355.	0.3	0
44	Effect of Background Color on In-Ceram and Cercon All-Ceramic Core Material. <i>Advanced Materials Research</i> , 2011, 412, 356-360.	0.3	0
45	Biological Safety Assessment of a Colored Zirconia Ceramic: Cell Toxicity and Skin Sensitivity Tests. <i>Key Engineering Materials</i> , 2011, 492, 509-512.	0.4	0
46	Contrast Ratios and Chromatic Value of IPS E.max LT Framework Materials. <i>Key Engineering Materials</i> , 0, 492, 354-357.	0.4	0
47	Relative Translucency of Dental Lithium Disilicate Ceramic Restorations. <i>Key Engineering Materials</i> , 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. <i>Key Engineering Materials</i> , 2012, 512-515, 1770-1774.	0.4	0
49	The Influence of Background Color to 3 All-Ceramic System Core Materials. <i>Key Engineering Materials</i> , 2012, 512-515, 1788-1792.	0.4	0
50	Affection of Post-Core Materials on the Resultant Color of Lithium Disilicate Ceramic Restorations. <i>Key Engineering Materials</i> , 0, 512-515, 1761-1764.	0.4	0
51	Influence of Thickness on Residual Stress Profile in Veneering Ceramic Layered: Measurement by Hole-Drilling. <i>Key Engineering Materials</i> , 0, 512-515, 1779-1783.	0.4	0
52	Preparation of Pigmented Glass for Infiltration and Investigation of its Physical and Mechanical Properties. <i>Key Engineering Materials</i> , 0, 512-515, 1802-1806.	0.4	0
53	Comparing Study on Translucency of Four Veneered Dental All-Ceramic Core Materials. <i>Advanced Materials Research</i> , 2012, 624, 235-238.	0.3	0
54	Comparing Study on Transmittance of Four Dental All-Ceramic Core Material. <i>Advanced Materials Research</i> , 0, 624, 231-234.	0.3	0

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55	The Effect of Varying Ferrule Modes on Fracture Resistance of Canines Restored with One-Piece Milled Zirconia Post and Core. <i>Advanced Materials Research</i> , 0, 624, 98-102.	0.3	0
56	Bond Strength of Different Adhesive Luting Materials to Zirconia Ceramics. <i>Key Engineering Materials</i> , 0, 512-515, 447-450.	0.4	0
57	Colorimetric Comparison of Two Kinds of VITA Shade Guides. <i>Key Engineering Materials</i> , 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. <i>Key Engineering Materials</i> , 0, 512-515, 1797-1801.	0.4	0
59	The Transmittance Test of 3 All-Ceramic System Core Materials. <i>Key Engineering Materials</i> , 2012, 512-515, 1793-1796.	0.4	0
60	Comparative Measurement on Transmittance of Four Systems of Dental All-Ceramic Zirconia Materials. <i>Advanced Materials Research</i> , 0, 833, 185-188.	0.3	0
61	Test of Relative Translucency for Four All-Ceramic Core Material after Veneering Ceramic. <i>Key Engineering Materials</i> , 0, 544, 388-391.	0.4	0
62	The Programming of Dentistry CCS/CCM Software. <i>Key Engineering Materials</i> , 0, 544, 502-506.	0.4	0
63	Effect of Post-Core Materials on the Color Value of Four Dental All-Ceramic Cores. <i>Key Engineering Materials</i> , 0, 544, 396-400.	0.4	0
64	Comparative Measurement on Translucency of Four Systems of Dental All-Ceramic Zirconia Materials. <i>Advanced Materials Research</i> , 2013, 833, 181-184.	0.3	0
65	Effect of Background Color to the Final Color of Four Highly Transparent Ceramics after Veneered. <i>Key Engineering Materials</i> , 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