

Bin Deng

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

974
citations

933447

10
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610901

24
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68
all docs

68
docs citations

68
times ranked

1872
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Efficiency of Normal Distribution in Statistical Characterization of the Experimentally Measured Strength for Ceramics. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 42-55.	2.5	3
3	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
4	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
5	Treatment Response Monitoring with Diffuse Optical Tomography-Based Multimodal Breast Imaging. , 2020, , .		0
6	Mechanical and hemodynamic responses of breast tissue under mammographic-like compression during functional dynamic optical imaging. <i>Biomedical Optics Express</i> , 2020, 11, 5425.	2.9	3
7	Description of the statistical variations of the measured strength for brittle ceramics: A comparison between two-parameter Weibull distribution and normal distribution. <i>Processing and Application of Ceramics</i> , 2020, 14, 293-302.	0.8	2
8	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
9	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
10	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
11	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
12	Involvement of autophagy in tantalum nanoparticle-induced osteoblast proliferation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4323-4333.	6.7	49
13	Effects of CBL Mode to Residency Training Doctor of Prosthodontics for Making Diagnosis and Treatment Plan. , 2017, , .		1
14	Bilingual Teaching Efficiency of Prosthodontics in Different Teaching Methods. , 2017, , .		0
15	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
16	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
17	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
18	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

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19	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
20	Comparative Measurement on Translucency of Four Systems of Dental All-Ceramic Zirconia Materials. Advanced Materials Research, 2013, 833, 181-184.	0.3	0
21	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
22	Bond Strength of Veneering Ceramics to a Graded Zirconia Core. Advanced Materials Research, 2012, 624, 221-225.	0.3	1
23	The Influence of Background Color to 3 All-Ceramic System Core Materials. Key Engineering Materials, 2012, 512-515, 1788-1792.	0.4	0
24	Masking Ability of IPS e.max ALL-Ceramics System of HO Series. Key Engineering Materials, 2012, 512-515, 1784-1787.	0.4	2
25	Comparing Study on Translucency of Four Veneered Dental All-Ceramic Core Materials. Advanced Materials Research, 2012, 624, 235-238.	0.3	0
26	Effect of Zirconia Surface Roughness on Shear Bond Strength to Resin Cements. Key Engineering Materials, 2012, 512-515, 1765-1769.	0.4	1
27	The Transmittance Test of 3 All-Ceramic System Core Materials. Key Engineering Materials, 2012, 512-515, 1793-1796.	0.4	0
28	Spectral Transmittance of Six All-Ceramic Core Materials after Veneering Ceramic. Advanced Materials Research, 2011, 412, 352-355.	0.3	0
29	Effect of Background Color on In-Ceram and Cercon All-Ceramic Core Material. Advanced Materials Research, 2011, 412, 356-360.	0.3	0
30	Influence of Multiple Firing on the Bending Strength of Zirconia/Porcelain Bilayered Dental Ceramics. Key Engineering Materials, 2011, 492, 24-29.	0.4	2
31	Biological Safety Assessment of a Colored Zirconia Ceramic: Cell Toxicity and Skin Sensitivity Tests. Key Engineering Materials, 2011, 492, 509-512.	0.4	0
32	Mechanical Properties of Y-TZP Ceramic after Different Surface Treatments. Key Engineering Materials, 2011, 492, 71-74.	0.4	2
33	Soak Colored Zirconia Ceramics and its Colorimetric Plate. Key Engineering Materials, 2011, 492, 362-365.	0.4	1
34	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
35	Test of Relative Translucency for Three Veneered All-Ceramic Systems Core Material. Advanced Materials Research, 2010, 177, 302-305.	0.3	2
36	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

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37	Influence of Background Material on 3 Veneered All-Ceramic Core Materials. <i>Advanced Materials Research</i> , 2010, 177, 293-297.	0.3	0
38	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
39	Study on Dental Colored Zirconia Restoration. <i>Key Engineering Materials</i> , 2008, 368-372, 1255-1257.	0.4	3
40	Strength and Fracture Mode for Dental Colored ZrO ₂ Ceramics Coated with Dental Porcelain. <i>Key Engineering Materials</i> , 2008, 368-372, 1248-1251.	0.4	2
41	Relative Translucency Test of 3 All-Ceramics System Core Material. <i>Advanced Materials Research</i> , 0, 177, 298-301.	0.3	4
42	Effects of Veneering Porcelain Type on Bending Strength of Dental Y-TZP/Porcelain Bilayered Structure. <i>Advanced Materials Research</i> , 0, 105-106, 524-527.	0.3	0
43	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
44	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
45	Binding Performance of a Zirconia Framework Material and Veneering Porcelain. <i>Advanced Materials Research</i> , 0, 177, 186-189.	0.3	4
46	Surface Microhardness and Flexural Strength of Colored Zirconia. <i>Advanced Materials Research</i> , 0, 105-106, 49-50.	0.3	12
47	Microstructure of Interface between Zirconia and Veneer Porcelain. <i>Key Engineering Materials</i> , 0, 492, 55-60.	0.4	1
48	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
49	Biological Safety Assessment of a Colored Zirconia Ceramic: Hemolysis and Short-Term Systemic Toxicity Tests. <i>Key Engineering Materials</i> , 0, 492, 505-508.	0.4	1
50	Contrast Ratios and Chromatic Value of IPS E.max LT Framework Materials. <i>Key Engineering Materials</i> , 0, 492, 354-357.	0.4	0
51	Measuring the Infinite Optical Thickness of Dentine Porcelain of the IPS E.max. <i>Key Engineering Materials</i> , 0, 492, 349-353.	0.4	2
52	Preparation and Properties of Porous β -Tricalcium Phosphate Bone Graft. <i>Advanced Materials Research</i> , 0, 624, 226-230.	0.3	4
53	Relative Translucency of Dental Lithium Disilicate Ceramic Restorations. <i>Key Engineering Materials</i> , 0, 512-515, 1775-1778.	0.4	0
54	Effect of Resin Cements for Porcelain Veneers on the Color Stability after Accelerated Ageing. <i>Advanced Materials Research</i> , 0, 624, 216-220.	0.3	1

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55	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
56	Influence of Thickness on Residual Stress Profile in Veneering Ceramic Layered: Measurement by Hole-Drilling. Key Engineering Materials, 0, 512-515, 1779-1783.	0.4	0
57	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
58	Comparing Study on Transmittance of Four Dental All-Ceramic Core Material. Advanced Materials Research, 0, 624, 231-234.	0.3	0
59	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
60	Bond Strength of Different Adhesive Luting Materials to Zirconia Ceramics. Key Engineering Materials, 0, 512-515, 447-450.	0.4	0
61	Colorimetric Comparison of Two Kinds of VITA Shade Guides. Key Engineering Materials, 0, 512-515, 1807-1810.	0.4	0
62	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
63	Comparative Measurement on Transmittance of Four Systems of Dental All-Ceramic Zirconia Materials. Advanced Materials Research, 0, 833, 185-188.	0.3	0
64	Test of Relative Translucency for Four All-Ceramic Core Material after Veneering Ceramic. Key Engineering Materials, 0, 544, 388-391.	0.4	0
65	The Programming of Dentistry CCS/CCM Software. Key Engineering Materials, 0, 544, 502-506.	0.4	0
66	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
67	A Comparative Study on Relative Translucency of Four Dental All-Ceramic Core Materials. Key Engineering Materials, 0, 544, 392-395.	0.4	1