

Bin Deng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

646
citations

9
h-index

25
g-index

68
ext. papers

812
ext. citations

1.2
avg, IF

3.62
L-index

#	Paper	IF	Citations
64	Complete head cerebral sensitivity mapping for diffuse correlation spectroscopy using subject-specific magnetic resonance imaging models.. <i>Biomedical Optics Express</i> , 2022 , 13, 1131-1151	3.5	2
63	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	1.6	0
62	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	3.9	10
61	Mechanical and hemodynamic responses of breast tissue under mammographic-like compression during functional dynamic optical imaging. <i>Biomedical Optics Express</i> , 2020 , 11, 5425-5441	3.5	1
60	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	1.4	0
59	Self-calibration of area function for mechanical property determination with nanoindentation tests. <i>Journal of Materials Science</i> , 2020 , 55, 16002-16017	4.3	2
58	Impact of errors in experimental parameters on reconstructed breast images using diffuse optical tomography. <i>Biomedical Optics Express</i> , 2018 , 9, 1130-1150	3.5	7
57	Multimodal breast cancer imaging using coregistered dynamic diffuse optical tomography and digital breast tomosynthesis. <i>Journal of Biomedical Optics</i> , 2017 , 22, 46008	3.5	24
56	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	4.8	16
55	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, 555-569	3.5	15
54	Involvement of autophagy in tantalum nanoparticle-induced osteoblast proliferation. <i>International Journal of Nanomedicine</i> , 2017 , 12, 4323-4333	7.3	37
53	Toxicity of graphene-family nanoparticles: a general review of the origins and mechanisms. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 57	8.4	355
52	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, 2366-79	3.5	27
51	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	
50	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, 80502	3.5	7
49	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	3.7	98
48	Comparative Measurement on Transmittance of Four Systems of Dental All-Ceramic Zirconia Materials. <i>Advanced Materials Research</i> , 2013 , 833, 185-188	0.5	

47	Test of Relative Translucency for Four All-Ceramic Core Material after Veneering Ceramic. <i>Key Engineering Materials, 2013, 544, 388-391</i>	0.4	
46	The Programming of Dentistry CCS/CCM Software. <i>Key Engineering Materials, 2013, 544, 502-506</i>	0.4	
45	Effect of Post-Core Materials on the Color Value of Four Dental All-Ceramic Cores. <i>Key Engineering Materials, 2013, 544, 396-400</i>	0.4	
44	A Comparative Study on Relative Translucency of Four Dental All-Ceramic Core Materials. <i>Key Engineering Materials, 2013, 544, 392-395</i>	0.4	1
43	Comparative Measurement on Translucency of Four Systems of Dental All-Ceramic Zirconia Materials. <i>Advanced Materials Research, 2013, 833, 181-184</i>	0.5	
42	Preparation and Properties of Porous Tricalcium Phosphate Bone Graft. <i>Advanced Materials Research, 2012, 624, 226-230</i>	0.5	3
41	Relative Translucency of Dental Lithium Disilicate Ceramic Restorations. <i>Key Engineering Materials, 2012, 512-515, 1775-1778</i>	0.4	
40	Effect of Resin Cements for Porcelain Veneers on the Color Stability after Accelerated Ageing. <i>Advanced Materials Research, 2012, 624, 216-220</i>	0.5	1
39	Effects of Alveolar Bone Loss and Post-Core Design on Stress Distribution of Severely Damaged Canine. <i>Key Engineering Materials, 2012, 512-515, 1770-1774</i>	0.4	
38	Bond Strength of Veneering Ceramics to a Graded Zirconia Core. <i>Advanced Materials Research, 2012, 624, 221-225</i>	0.5	1
37	The Influence of Background Color to 3 All-Ceramic System Core Materials. <i>Key Engineering Materials, 2012, 512-515, 1788-1792</i>	0.4	
36	Affection of Post-Core Materials on the Resultant Color of Lithium Disilicate Ceramic Restorations. <i>Key Engineering Materials, 2012, 512-515, 1761-1764</i>	0.4	
35	Influence of Thickness on Residual Stress Profile in Veneering Ceramic Layered: Measurement by Hole-Drilling. <i>Key Engineering Materials, 2012, 512-515, 1779-1783</i>	0.4	
34	Masking Ability of IPS e.max ALL-Ceramics System of HO Series. <i>Key Engineering Materials, 2012, 512-515, 1784-1787</i>	0.4	1
33	Preparation of Pigmented Glass for Infiltration and Investigation of its Physical and Mechanical Properties. <i>Key Engineering Materials, 2012, 512-515, 1802-1806</i>	0.4	
32	Comparing Study on Translucency of Four Veneered Dental All-Ceramic Core Materials. <i>Advanced Materials Research, 2012, 624, 235-238</i>	0.5	
31	Comparing Study on Transmittance of Four Dental All-Ceramic Core Material. <i>Advanced Materials Research, 2012, 624, 231-234</i>	0.5	
30	The Effect of Varying Ferrule Modes on Fracture Resistance of Canines Restored with One-Piece Milled Zirconia Post and Core. <i>Advanced Materials Research, 2012, 624, 98-102</i>	0.5	

29	Bond Strength of Different Adhesive Luting Materials to Zirconia Ceramics. <i>Key Engineering Materials</i> , 2012 , 512-515, 447-450	0.4	
28	Colorimetric Comparison of Two Kinds of VITA Shade Guides. <i>Key Engineering Materials</i> , 2012 , 512-515, 1807-1810	0.4	
27	Effect of Zirconia Surface Roughness on Shear Bond Strength to Resin Cements. <i>Key Engineering Materials</i> , 2012 , 512-515, 1765-1769	0.4	1
26	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> , 2012 , 512-515, 1797-1801	0.4	1
25	The Transmittance Test of 3 All-Ceramic System Core Materials. <i>Key Engineering Materials</i> , 2012 , 512-515, 1793-1796	0.4	
24	Spectral Transmittance of Six All-Ceramic Core Materials after Veneering Ceramic. <i>Advanced Materials Research</i> , 2011 , 412, 352-355	0.5	
23	Microstructure of Interface between Zirconia and Veneer Porcelain. <i>Key Engineering Materials</i> , 2011 , 492, 55-60	0.4	1
22	Effect of Background Color on In-Ceram and Cercon All-Ceramic Core Material. <i>Advanced Materials Research</i> , 2011 , 412, 356-360	0.5	
21	Relative Translucency of IPS E.max LT Core Materials after Veneering and Glazing. <i>Key Engineering Materials</i> , 2011 , 492, 358-361	0.4	3
20	Influence of Multiple Firing on the Bending Strength of Zirconia/Porcelain Bilayered Dental Ceramics. <i>Key Engineering Materials</i> , 2011 , 492, 24-29	0.4	2
19	Biological Safety Assessment of a Colored Zirconia Ceramic: Hemolysis and Short-Term Systemic Toxicity Tests. <i>Key Engineering Materials</i> , 2011 , 492, 505-508	0.4	1
18	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	
17	Mechanical Properties of Y-TZP Ceramic after Different Surface Treatments. <i>Key Engineering Materials</i> , 2011 , 492, 71-74	0.4	2
16	Contrast Ratios and Chromatic Value of IPS E.max LT Framework Materials. <i>Key Engineering Materials</i> , 2011 , 492, 354-357	0.4	
15	Soak Colored Zirconia Ceramics and its Colorimetric Plate. <i>Key Engineering Materials</i> , 2011 , 492, 362-365	0.4	0
14	Measuring the Infinite Optical Thickness of Dentine Porcelain of the IPS E.max. <i>Key Engineering Materials</i> , 2011 , 492, 349-353	0.4	2
13	Effects of Veneering Porcelain Type on Bending Strength of Dental Y-TZP/Porcelain Bilayered Structure. <i>Advanced Materials Research</i> , 2010 , 105-106, 524-527	0.5	
12	A New Type of Colored Alumina/Glass Composite Biological Safety Assessment [Cell Toxicity and Hemolysis Tests. <i>Advanced Materials Research</i> , 2010 , 177, 459-461	0.5	

11	Evaluation of Glass Infiltration Speed within Dental CAD/CAM Alumina at Different Temperatures. <i>Advanced Materials Research</i> , 2010 , 177, 314-317	0.5	
10	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	0.5	
9	Test of Relative Translucency for Three Veneered All-Ceramic Systems Core Material. <i>Advanced Materials Research</i> , 2010 , 177, 302-305	0.5	2
8	Binding Performance of a Zirconia Framework Material and Veneering Porcelain. <i>Advanced Materials Research</i> , 2010 , 177, 186-189	0.5	4
7	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	0.5	
6	Influence of Background Material on 3 Veneered All-Ceramic Core Materials. <i>Advanced Materials Research</i> , 2010 , 177, 293-297	0.5	
5	Surface Microhardness and Flexural Strength of Colored Zirconia. <i>Advanced Materials Research</i> , 2010 , 105-106, 49-50	0.5	11
4	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	0.5	
3	Relative Translucency Test of 3 All-Ceramics System Core Material. <i>Advanced Materials Research</i> , 2010 , 177, 298-301	0.5	4
2	Study on Dental Colored Zirconia Restoration. <i>Key Engineering Materials</i> , 2008 , 368-372, 1255-1257	0.4	2
1	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