Bin Deng

List of Publications by Citations

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	Toxicity of graphene-family nanoparticles: a general review of the origins and mechanisms. *Particle and Fibre Toxicology*, **2016**, 13, 57	8.4	355
63	Maresin biosynthesis and identification of maresin 2, a new anti-inflammatory and pro-resolving mediator from human macrophages. *PLoS ONE*, **2014**, 9, e102362	3.7	98
62	Involvement of autophagy in tantalum nanoparticle-induced osteoblast proliferation. *International Journal of Nanomedicine*, **2017**, 12, 4323-4333	7.3	37
61	Characterization of structural-prior guided optical tomography using realistic breast models derived from dual-energy x-ray mammography. *Biomedical Optics Express*, **2015**, 6, 2366-79	3.5	27
60	Multimodal breast cancer imaging using coregistered dynamic diffuse optical tomography and digital breast tomosynthesis. *Journal of Biomedical Optics*, **2017**, 22, 46008	3.5	24
59	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	4.8	16
58	Normalization of compression-induced hemodynamics in patients responding to neoadjuvant chemotherapy monitored by dynamic tomographic optical breast imaging (DTOBI). *Biomedical Optics Express*, **2017**, 8, 555-569	3.5	15
57	Surface Microhardness and Flexural Strength of Colored Zirconia. *Advanced Materials Research*, **2010**, 105-106, 49-50	0.5	11
56	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	3.9	10
55	Impact of errors in experimental parameters on reconstructed breast images using diffuse optical tomography. *Biomedical Optics Express*, **2018**, 9, 1130-1150	3.5	7
54	Characterizing breast lesions through robust multimodal data fusion using independent diffuse optical and x-ray breast imaging. *Journal of Biomedical Optics*, **2015**, 20, 80502	3.5	7
53	Binding Performance of a Zirconia Framework Material and Veneering Porcelain. *Advanced Materials Research*, **2010**, 177, 186-189	0.5	4
52	Relative Translucency Test of 3 All-Ceramics System Core Material. *Advanced Materials Research*, **2010**, 177, 298-301	0.5	4
51	Relative Translucency of IPS E.max LT Core Materials after Veneering and Glazing. *Key Engineering Materials*, **2011**, 492, 358-361	0.4	3
50	Preparation and Properties of Porous Tricalcium Phosphate Bone Graft. *Advanced Materials Research*, **2012**, 624, 226-230	0.5	3
49	Test of Relative Translucency for Three Veneered All-Ceramic Systems Core Material. *Advanced Materials Research*, **2010**, 177, 302-305	0.5	2
48	Influence of Multiple Firing on the Bending Strength of Zirconia/Porcelain Bilayered Dental Ceramics. *Key Engineering Materials*, **2011**, 492, 24-29	0.4	2

47	Mechanical Properties of Y-TZP Ceramic after Different Surface Treatments. *Key Engineering Materials*, **2011**, 492, 71-74	0.4	2
46	Measuring the Infinite Optical Thickness of Dentine Porcelain of the IPS E.max. *Key Engineering Materials*, **2011**, 492, 349-353	0.4	2
45	Study on Dental Colored Zirconia Restoration. *Key Engineering Materials*, **2008**, 368-372, 1255-1257	0.4	2
44	Strength and Fracture Mode for Dental Colored ZrO2 Ceramics Coated with Dental Porcelain. *Key Engineering Materials*, **2008**, 368-372, 1248-1251	0.4	2
43	Complete head cerebral sensitivity mapping for diffuse correlation spectroscopy using subject-specific magnetic resonance imaging models.. *Biomedical Optics Express*, **2022**, 13, 1131-1151	3.5	2
42	Self-calibration of area function for mechanical property determination with nanoindentation tests. *Journal of Materials Science*, **2020**, 55, 16002-16017	4.3	2
41	A Comparative Study on Relative Translucency of Four Dental All-Ceramic Core Materials. *Key Engineering Materials*, **2013**, 544, 392-395	0.4	1
40	Microstructure of Interface between Zirconia and Veneer Porcelain. *Key Engineering Materials*, **2011**, 492, 55-60	0.4	1
39	Biological Safety Assessment of a Colored Zirconia Ceramic: Hemolysis and Short-Term Systemic Toxicity Tests. *Key Engineering Materials*, **2011**, 492, 505-508	0.4	1
38	Effect of Resin Cements for Porcelain Veneers on the Color Stability after Accelerated Ageing. *Advanced Materials Research*, **2012**, 624, 216-220	0.5	1
37	Bond Strength of Veneering Ceramics to a Graded Zirconia Core. *Advanced Materials Research*, **2012**, 624, 221-225	0.5	1
36	Masking Ability of IPS e.max ALL-Ceramics System of HO Series. *Key Engineering Materials*, **2012**, 512-515, 1784-1787	0.4	1
35	Effect of Zirconia Surface Roughness on Shear Bond Strength to Resin Cements. *Key Engineering Materials*, **2012**, 512-515, 1765-1769	0.4	1
34	Mechanical and hemodynamic responses of breast tissue under mammographic-like compression during functional dynamic optical imaging. *Biomedical Optics Express*, **2020**, 11, 5425-5441	3.5	1
33	Soak Colored Zirconia Ceramics and its Colorimetric Plate. *Key Engineering Materials*, **2011**, 492, 362-365	0.4	0
32	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	1.4	0
31	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	1.6	0
30	Effect of Background Color to the Final Color of Four Highly Transparent Ceramics after Veneered. *Key Engineering Materials*, **2015**, 655, 122-125	0.4	

29	Comparative Measurement on Transmittance of Four Systems of Dental All-Ceramic Zirconia Materials. *Advanced Materials Research*, **2013**, 833, 185-188	0.5
28	Test of Relative Translucency for Four All-Ceramic Core Material after Veneering Ceramic. *Key Engineering Materials*, **2013**, 544, 388-391	0.4
27	The Programming of Dentistry CCS/CCM Software. *Key Engineering Materials*, **2013**, 544, 502-506	0.4
26	Effect of Post-Core Materials on the Color Value of Four Dental All-Ceramic Cores. *Key Engineering Materials*, **2013**, 544, 396-400	0.4
25	Comparative Measurement on Translucency of Four Systems of Dental All-Ceramic Zirconia Materials. *Advanced Materials Research*, **2013**, 833, 181-184	0.5
24	Effects of Veneering Porcelain Type on Bending Strength of Dental Y-TZP/Porcelain Bilayered Structure. *Advanced Materials Research*, **2010**, 105-106, 524-527	0.5
23	A New Type of Colored Alumina/Glass Composite Biological Safety Assessment Cell Toxicity and Hemolysis Tests. *Advanced Materials Research*, **2010**, 177, 459-461	0.5
22	Evaluation of Glass Infiltration Speed within Dental CAD/CAM Alumina at Different Temperatures. *Advanced Materials Research*, **2010**, 177, 314-317	0.5
21	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	0.5
20	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	0.5
19	Influence of Background Material on 3 Veneered All-Ceramic Core Materials. *Advanced Materials Research*, **2010**, 177, 293-297	0.5
18	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	0.5
17	Spectral Transmittance of Six All-Ceramic Core Materials after Veneering Ceramic. *Advanced Materials Research*, **2011**, 412, 352-355	0.5
16	Effect of Background Color on In-Ceram and Cercon All-Ceramic Core Material. *Advanced Materials Research*, **2011**, 412, 356-360	0.5
15	Biological Safety Assessment of a Colored Zirconia Ceramic: Cell Toxicity and Skin Sensitivity Tests. *Key Engineering Materials*, **2011**, 492, 509-512	0.4
14	Contrast Ratios and Chromatic Value of IPS E.max LT Framework Materials. *Key Engineering Materials*, **2011**, 492, 354-357	0.4
13	Relative Translucency of Dental Lithium Disilicate Ceramic Restorations. *Key Engineering Materials*, **2012**, 512-515, 1775-1778	0.4
12	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

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11	The Influence of Background Color to 3 All-Ceramic System Core Materials. *Key Engineering Materials*, **2012**, 512-515, 1788-1792	0.4
10	Affection of Post-Core Materials on the Resultant Color of Lithium Disilicate Ceramic Restorations. *Key Engineering Materials*, **2012**, 512-515, 1761-1764	0.4
9	Influence of Thickness on Residual Stress Profile in Veneering Ceramic Layered: Measurement by Hole-Drilling. *Key Engineering Materials*, **2012**, 512-515, 1779-1783	0.4
8	Preparation of Pigmented Glass for Infiltration and Investigation of its Physical and Mechanical Properties. *Key Engineering Materials*, **2012**, 512-515, 1802-1806	0.4
7	Comparing Study on Translucency of Four Veneered Dental All-Ceramic Core Materials. *Advanced Materials Research*, **2012**, 624, 235-238	0.5
6	Comparing Study on Transmittance of Four Dental All-Ceramic Core Material. *Advanced Materials Research*, **2012**, 624, 231-234	0.5
5	The Effect of Varying Ferrule Modes on Fracture Resistance of Canines Restored with One-Piece Milled Zirconia Post and Core. *Advanced Materials Research*, **2012**, 624, 98-102	0.5
4	Bond Strength of Different Adhesive Luting Materials to Zirconia Ceramics. *Key Engineering Materials*, **2012**, 512-515, 447-450	0.4
3	Colorimetric Comparison of Two Kinds of VITA Shade Guides. *Key Engineering Materials*, **2012**, 512-515, 1807-1810	0.4
2	Effects of the Mechanical Properties of Veneering Porcelain on Stress Distribution of Dental Zirconia Layered Structure: A Finite Element Model Study. *Key Engineering Materials*, **2012**, 512-515, 1797-1801	0.4
1	The Transmittance Test of 3 All-Ceramic System Core Materials. *Key Engineering Materials*, **2012**, 512-515, 1793-1796	0.4