Josete Barbosa Cruz Meira

List of Publications by Year
in descending order

36 papers	1,216 citations	623574 14 h-index	360920 35 g-index
36 all docs	36 docs citations	36 times ranked	1321 citing authors

#	Article	IF	Citations
1	Adhesion to tooth structure: A critical review of â€œmacroâ€•test methods. Dental Materials, 2010, 26, e38-e49.	1.6	268
2	Association of orthodontic force system and root resorption: A systematic review. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, 610-626.	0.8	181
3	Can Fiber Posts Increase Root Stresses and Reduce Fracture?. Journal of Dental Research, 2010, 89, 587-591.	2.5	132
4	Shear versus micro-shear bond strength test: A finite element stress analysis. Dental Materials, 2007, 23, 1086-1092.	1.6	121
5	Composite shrinkage stress as a function of specimen dimensions and compliance of the testing system. Dental Materials, 2007, 23, 204-210.	1.6	48
6	A critical view on biaxial and short-beam uniaxial flexural strength tests applied to resin composites using Weibull, fractographic and finite element analyses. Dental Materials, 2010, 26, 83-90.	1.6	47
7	Vertical Root Fracture in Upper Premolars with Endodontic Posts: Finite Element Analysis. Journal of Endodontics, 2009, 35, 117-120.	1.4	43
8	Residual stresses in Y-TZP crowns due to changes in the thermal contraction coefficient of veneers. Dental Materials, 2013, 29, 594-601.	1.6	40
9	Elastic modulus of posts and the risk of root fracture. Dental Traumatology, 2009, 25, 394-398.	0.8	35
10	Polymerization stress of resin composites as a function of system compliance. Dental Materials, 2008, 24, 645-652.	1.6	33
11	Understanding Contradictory Data in Contraction Stress Tests. Journal of Dental Research, 2011, 90, 365-370.	2.5	31
12	Experimental and FE displacement and polymerization stress of bonded restorations as a function of the C-Factor, volume and substrate stiffness. Journal of Dentistry, 2014, 42, 140-148.	1.7	25
13	Experimental and finite element study of residual thermal stresses in veneered Y-TZP structures. Ceramics International, 2016, 42, 9214-9221.	2.3	20
14	Influence of residual thermal stresses on the edge chipping resistance of PFM and veneered zirconia structures: Experimental and FEA study. Dental Materials, 2019, 35, 344-355.	1.6	20
15	Survival Rate, Load to Fracture, and Finite Element Analysis of Incisors and Canines Restored With Ceramic Veneers Having Varied Preparation Design. Operative Dentistry, 2014, 39, 530-540.	0.6	16
16	Assessment of nose protector for sport activities: finite element analysis. Dental Traumatology, 2012, 28, 108-113.	0.8	15
17	Orthodontically induced root resorption: A critical analysis of finite element studiesâ€™ input and output. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 779-789.	0.8	15
18	Chipping of Veneering Ceramics in Zirconium Dioxide Fixed Dental Prosthesis. Current Oral Health Reports, 2015, 2, 169-173.	0.5	14

#	Article	IF	Citations
19	How mechanical stresses modulate enamel demineralization in non-carious cervical lesions?. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 66, 50-57.	1.5	14
20	Influence of local factors on composite shrinkage stress development--a finite element analysis. Journal of Adhesive Dentistry, 2007, 9, 499-503.	0.3	14
21	Influence of specimen dimensions and their derivatives (C-factor and volume) on polymerization stress determined in a high compliance testing system. Dental Materials, 2013, 29, 1034-1039.	1.6	10
22	Descriptions of crack growth behaviors in glassâ€“ZrO2 bilayers under thermal residual stresses. Dental Materials, 2016, 32, 1165-1176.	1.6	9
23	Why a zero CTE mismatch may be better for veneered Y-TZP structures. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 261-268.	1.5	9
24	Finite Element Analysis of Shear Versus Torsion Adhesive Strength Tests for Dental Resin Composites. Journal of Adhesion Science and Technology, 2009, 23, 1575-1589.	1.4	7
25	Can maxilla and mandible bone quality explain differences in orthodontic mini-implant failures?. Biomaterial Investigations in Dentistry, 2021, 8, 1-10.	3.0	7
26	Geometrical aspects on bi-material microtensile tests. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2005, 27, .	0.8	7
27	The suitability of different FEA models for studying root fractures caused by wedge effect. Journal of Biomedical Materials Research - Part A, 2008, 84A, 442-446.	2.1	5
28	A method to investigate the shrinkage stress developed by resin-composites bonded to a single flat surface. Dental Materials, 2012, 28, e27-e34.	1.6	5
29	Influence of physical assessment of different light-curing units on irradiance and composite microhardness top/bottom ratio. Odontology / the Society of the Nippon Dental University, 2016, 104, 298-304.	0.9	5
30	Stress concentration in microtensile tests using uniform material. Journal of Adhesive Dentistry, 2004, 6, 267-73.	0.3	5
31	Expansion of high flow mixtures of gypsum-bonded investments in contact with absorbent liners. Dental Materials, 2005, 21, 573-579.	1.6	3
32	Finite Element Analysis in Dentistry. From Biomaterials Towards Medical Devices, 2018, , 67-89.	0.0	3
33	Influence of Fiber Post Cementation Length on Coronal Microleakage Values in vitro and Finite Element Analysis. Journal of Contemporary Dental Practice, 2014, 15, 444-450.	0.2	3
34	A new way of evaluating the biomechanics of the mandible with freedom in three axes in space: Technical note. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2018, 30, 405-408.	0.2	2
35	Current Scientific Evidence of Clinical Performance of Veneered Zirconia Crowns and Fixed Dental Prostheses. Current Oral Health Reports, 2020, 7, 352-360.	0.5	2
36	Effect of processing methods on the chipping resistance of veneered zirconia. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 104995.	1.5	2