

# Rafael Yagüe Ballester

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,727  
citations

361413

20  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1641  
citing authors

#	ARTICLE	IF	CITATIONS
1	An examination of two different approaches for the study of femoral neck fracture: Towards a more relevant rodent model. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2022, 236, 199-207.	1.8	1
2	Biomechanical comparison in vitro between 2.0-mm conventional and locking fixation systems of mandibles with freedom in the three-axes of the space. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2022, 34, 260-266.	0.3	1
3	Can maxilla and mandible bone quality explain differences in orthodontic mini-implant failures?. Biomaterial Investigations in Dentistry, 2021, 8, 1-10.	1.8	7
4	Comparison of three methods for measuring the Edge Bevel Radius of rectangular orthodontic wires: An in-vitro study. International Orthodontics, 2020, 18, 509-518.	1.9	0
5	Improvement of full-thickness rat skin wounds by photobiomodulation therapy (PBMT): A dosimetric study. Journal of Photochemistry and Photobiology B: Biology, 2020, 206, 111850.	3.8	11
6	Effect of three different attachment designs in the extrusive forces generated by thermoplastic aligners in the maxillary central incisor. Dental Press Journal of Orthodontics, 2020, 25, 46-53.	0.9	11
7	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.	3.5	20
8	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.	0.3	2
9	Biomechanical Evaluation of the Sheep Mandible as a Model for Studying Fixation Methods. International Journal of Morphology, 2018, 36, 926-930.	0.2	4
10	How mechanical stresses modulate enamel demineralization in non-cariou cervical lesions?. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 66, 50-57.	3.1	14
11	Exercise training, creatine supplementation, and bone health in ovariectomized rats. Osteoporosis International, 2015, 26, 1395-1404.	3.1	10
12	Clinical, biochemical and histological study of the effect of antimicrobial photodynamic therapy on oral mucositis induced by 5-fluorouracil in hamsters. Photodiagnosis and Photodynamic Therapy, 2015, 12, 298-309.	2.6	24
13	Comparative analysis of polymerization shrinkage of different resin composites. General Dentistry, 2015, 63, 41-5.	0.4	1
14	A method for calculating the compliance of bonded-interfaces under shrinkage: Validation for Class I cavities. Dental Materials, 2014, 30, 936-944.	3.5	22
15	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.	3.5	10
16	Residual stresses in Y-TZP crowns due to changes in the thermal contraction coefficient of veneers. Dental Materials, 2013, 29, 594-601.	3.5	40
17	A novel vibratory stimulation-based occlusal splint for alleviation of <sc>TMD</sc> painful symptoms: a pilot study. Journal of Oral Rehabilitation, 2013, 40, 179-184.	3.0	7
18	A novel vibratory stimulation-based splint for chronic and untreatable masticatory myofascial pain: A case-series. Journal of Prosthodontic Research, 2013, 57, 62-66.	2.8	4

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19	Flexural properties of resin composites: Influence of specimen dimensions and storage conditions. <i>Dental Materials Journal</i> , 2013, 32, 228-232.	1.8	23
20	A comparison between the capacity of 2D and 3D finite element models in analyzing the stress distribution in shear and microshear bond strength tests. <i>Journal of Research in Dentistry</i> , 2013, 1, 41.	0.2	3
21	Mechanical properties of nanofilled and microhybrid composites cured by different light polymerization modes. <i>General Dentistry</i> , 2013, 61, 30-3.	0.4	6
22	Does self-ligating brackets type influence the hysteresis, activation and deactivation forces of superelastic NiTi archwires?. <i>Dental Press Journal of Orthodontics</i> , 2013, 18, 81-5.	0.9	5
23	Comparative study of frictional forces generated by NiTi archwire deformation in different orthodontic brackets: In vitro evaluation. <i>Dental Press Journal of Orthodontics</i> , 2012, 17, 45-50.	0.9	7
24	Finite element analysis of bonded model Class I ã€restorationsã€™ after shrinkage. <i>Dental Materials</i> , 2012, 28, 123-132.	3.5	29
25	A method to investigate the shrinkage stress developed by resin-composites bonded to a single flat surface. <i>Dental Materials</i> , 2012, 28, e27-e34.	3.5	5
26	Understanding Contradictory Data in Contraction Stress Tests. <i>Journal of Dental Research</i> , 2011, 90, 365-370.	5.2	31
27	Photoelastic Stress Analysis Surrounding Implant-Supported Prosthesis and Alveolar Ridge on Mandibular Overdentures. <i>International Journal of Dentistry</i> , 2010, 2010, 1-5.	1.5	10
28	Can Fiber Posts Increase Root Stresses and Reduce Fracture?. <i>Journal of Dental Research</i> , 2010, 89, 587-591.	5.2	132
29	Finite Element Analysis of Shear Versus Torsion Adhesive Strength Tests for Dental Resin Composites. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 1575-1589.	2.6	7
30	Does Adhesive Thickness Affect Resin-dentin Bond Strength After Thermal/Load Cycling?. <i>Operative Dentistry</i> , 2009, 34, 58-64.	1.2	37
31	Effect of the C-factor and Dentin Preparation Method in the Bond Strength of a Mild Self-etch Adhesive. <i>Operative Dentistry</i> , 2009, 34, 452-459.	1.2	10
32	Sequential software processing of micro-XCT dental-images for 3D-FE analysis. <i>Dental Materials</i> , 2009, 25, e47-e55.	3.5	57
33	Elastic modulus of posts and the risk of root fracture. <i>Dental Traumatology</i> , 2009, 25, 394-398.	2.0	35
34	Vertical Root Fracture in Upper Premolars with Endodontic Posts: Finite Element Analysis. <i>Journal of Endodontics</i> , 2009, 35, 117-120.	3.1	43
35	The suitability of different FEA models for studying root fractures caused by wedge effect. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 442-446.	4.0	5
36	Polymerization stress of resin composites as a function of system compliance. <i>Dental Materials</i> , 2008, 24, 645-652.	3.5	33

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37	Composite shrinkage stress as a function of specimen dimensions and compliance of the testing system. <i>Dental Materials</i> , 2007, 23, 204-210.	3.5	48
38	Shear versus micro-shear bond strength test: A finite element stress analysis. <i>Dental Materials</i> , 2007, 23, 1086-1092.	3.5	121
39	Morphological characterization of the tooth/adhesive interface. <i>Brazilian Dental Journal</i> , 2006, 17, 179-185.	1.1	10
40	Expansion of high flow mixtures of gypsum-bonded investments in contact with absorbent liners. <i>Dental Materials</i> , 2005, 21, 573-579.	3.5	3
41	Factors involved in the development of polymerization shrinkage stress in resin-composites: A systematic review. <i>Dental Materials</i> , 2005, 21, 962-970.	3.5	535
42	Effect of thermal cycling and filling technique on leakage of composite resin restorations. <i>Journal of Applied Oral Science</i> , 2004, 12, 307-311.	1.8	5
43	Polymerization shrinkage: effects of constraint and filling technique in composite restorations. <i>Dental Materials</i> , 2004, 20, 236-243.	3.5	83
44	Relationship between contraction stress and degree of conversion in restorative composites. <i>Dental Materials</i> , 2004, 20, 939-946.	3.5	74
45	Polymerization shrinkage: effects of boundary conditions and filling technique of resin composite restorations. <i>Journal of Dentistry</i> , 2004, 32, 459-470.	4.1	57
46	Zinc sulfate addition to glass-ionomer-based cements: influence on physical and antibacterial properties, zinc and fluoride release. <i>Dental Materials</i> , 2003, 19, 212-217.	3.5	76
47	The effect of long-term storage on the microleakage of composite resin restorations: qualitative and quantitative evaluation. <i>Pesquisa Odontologica Brasileira = Brazilian Oral Research</i> , 2003, 17, 261-266.	0.3	8
48	Pilot study on the early shear strength of porcelain-dentin bonding using dual-cure cements. <i>Journal of Prosthetic Dentistry</i> , 1999, 81, 285-289.	2.8	36
49	Delayed hygroscopic expansion of phosphate-bonded investments. <i>Dental Materials</i> , 1987, 3, 165-167.	3.5	4