

Raphael Pilo

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.

65
papers

1,350
citations

21
h-index

35
g-index

70
ext. papers

1,539
ext. citations

3.9
avg, IF

4.18
L-index

#	Paper	IF	Citations
65	New Training Approach for Improving the Spatial Perception and Orientation Ability of Dentistry Students. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9387	2.6	0
64	Does Augmented Visual Feedback from Novel, Multicolored, Three-Dimensional-Printed Teeth Affect Dental Students' Acquisition of Manual Skills?. <i>Anatomical Sciences Education</i> , 2021 , 14, 629-640	6.8	3
63	3D-Printed Teeth with Multicolored Layers as a Tool for Evaluating Cavity Preparation by Dental Students. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6406	2.6	0
62	The Retentive Strength of Zirconium Oxide Crowns Cemented by Self-Adhesive Resin Cements before and after 6 Months of Aging. <i>Materials</i> , 2020 , 13,	3.5	1
61	Load-Bearing Capacity of Zirconia Crowns Screwed to Multi-Unit Abutments with and without a Titanium Base: An In Vitro Pilot Study. <i>Materials</i> , 2019 , 12,	3.5	1
60	Enhanced Nanoassembly-Incorporated Antibacterial Composite Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21334-21342	9.5	26
59	An interventional study for improving the manual dexterity of dentistry students. <i>PLoS ONE</i> , 2019 , 14, e0211639	3.7	7
58	Predicting the clinical performance of dental students with a manual dexterity test. <i>PLoS ONE</i> , 2018 , 13, e0193980	3.7	14
57	Effect of tribochemical treatments and silane reactivity on resin bonding to zirconia. <i>Dental Materials</i> , 2018 , 34, 306-316	5.7	25
56	The Retentive Strength of Laser-Sintered Cobalt-Chromium-Based Crowns after Pretreatment with a Desensitizing Paste Containing 8% Arginine and Calcium Carbonate. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	1
55	Circumferential root strains generated during lateral compaction with stainless steel vs. nickel-titanium finger spreaders. <i>European Journal of Oral Sciences</i> , 2018 , 126, 518-525	2.3	8
54	Consolidation of complex motor skill learning: evidence for a delayed offline process. <i>Sleep</i> , 2018 , 41,	1.1	8
53	The effect of resin coating on the shear punch strength of restorative glass ionomer cements. <i>Clinical Oral Investigations</i> , 2017 , 21, 1079-1086	4.2	4
52	Effect of root morphology on the susceptibility of endodontically treated teeth to vertical root fracture: An ex-vivo model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 69, 267-274	4.1	6
51	Setting characteristics and mechanical properties of self-adhesive resin luting agents. <i>Dental Materials</i> , 2017 , 33, 344-357	5.7	11
50	Novel silane encapsulation system for tribochemical resin bonding to a Co-Cr alloy. <i>Journal of Dentistry</i> , 2016 , 50, 60-8	4.8	3
49	Interaction of zirconia primers with yttria-stabilized zirconia surfaces. <i>Dental Materials</i> , 2016 , 32, 353-62	5.7	33

48	Effect of Silane Reaction Time on the Repair of a Nanofilled Composite Using Tribochemical Treatment. <i>Journal of Adhesive Dentistry</i> , 2016 , 18, 125-34	3	3
47	The Retentive Strength of Cemented Zirconium Oxide Crowns after Dentin Pretreatment with Desensitizing Paste Containing 8% Arginine and Calcium Carbonate. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 426	6.3	5
46	Strain Distribution in Root Surface Dentin of Maxillary Central Incisors during Lateral Compaction. <i>PLoS ONE</i> , 2016 , 11, e0156461	3.7	3
45	Anti-biofilm properties of wound dressing incorporating nonrelease polycationic antimicrobials. <i>Biomaterials</i> , 2015 , 46, 141-8	15.6	33
44	The effect of one-step vs. two-step impression techniques on long-term accuracy and dimensional stability when the finish line is within the gingival sulcular area. <i>Journal of Prosthodontics</i> , 2014 , 23, 124-33	3.9	17
43	Can cone beam CT predict the hardness of interradicular cortical bone?. <i>Head & Face Medicine</i> , 2014 , 10, 12	2.4	10
42	Tensile mechanical properties of swine cortical mandibular bone. <i>PLoS ONE</i> , 2014 , 9, e113229	3.7	4
41	Effect of various putty-wash impression techniques on marginal fit of cast crowns. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2013 , 33, e37-42	2.1	13
40	Dimensional stability of polyvinyl siloxane impression material reproducing the sulcular area. <i>Dental Materials Journal</i> , 2013 , 32, 25-31	2.5	6
39	Influence of periodontal ligament simulation and splints on strains developing at the cervical area of a tooth crown. <i>European Journal of Oral Sciences</i> , 2012 , 120, 466-71	2.3	7
38	The influence of long term water immersion on shear bond strength of amalgam repaired by resin composite and mediated by adhesives or resin modified glass ionomers. <i>Journal of Dentistry</i> , 2012 , 40, 594-602	4.8	2
37	Antibacterial Activity of Dental Cements Containing Quaternary Ammonium Polyethylenimine Nanoparticles. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-6	3.2	17
36	Appropriateness of viscoelastic soft materials as in vitro simulators of the periodontal ligament. <i>Journal of Oral Rehabilitation</i> , 2011 , 38, 929-39	3.4	12
35	The influence of dentin and/or metal surface treatment on the retention of cemented crowns in teeth with an increased taper. <i>Dental Materials</i> , 2008 , 24, 1058-64	5.7	8
34	Residual dentin thickness in bifurcated maxillary first premolars after root canal and post space preparation with parallel-sided drills. <i>Journal of Prosthetic Dentistry</i> , 2008 , 99, 267-73	4	32
33	Time-related PDL: viscoelastic response during initial orthodontic tooth movement of a tooth with functioning interproximal contact-a mathematical model. <i>Journal of Biomechanics</i> , 2008 , 41, 1871-7	2.9	20
32	Retention and marginal leakage of provisional crowns cemented with provisional cements enriched with chlorhexidine diacetate. <i>Journal of Prosthetic Dentistry</i> , 2007 , 98, 373-8	4	9
31	Abutment positioning in a cantilevered shortened dental arch: a clinical report and static analysis. <i>Journal of Prosthetic Dentistry</i> , 2003 , 89, 227-31	4	2

30	Residual dentin thickness in mesial roots of mandibular molars prepared with Lightspeed rotary instruments and Gates-Glidden reamers. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2003 , 96, 351-5		31
29	Retention, marginal leakage, and cement solubility of provisional crowns cemented with temporary cement containing stannous fluoride. <i>International Journal of Prosthodontics</i> , 2003 , 16, 189-93	1.9	11
28	Effect of core stiffness on the in vitro fracture of crowned, endodontically treated teeth. <i>Journal of Prosthetic Dentistry</i> , 2002 , 88, 302-6	4	50
27	Residual dentin thickness in mandibular premolars prepared with Gates Glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000 , 83, 617-623	4	31
26	Residual dentin thickness in mandibular premolars prepared with Gates Glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000 , 83, 0617-0623	4	28
25	Residual dentin thickness in mandibular premolars prepared with gates glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000 , 83, 617-23	4	10
24	Comparison of microleakage for three one-bottle and three multiple-step dentin bonding agents. <i>Journal of Prosthetic Dentistry</i> , 1999 , 82, 209-13	4	43
23	Effect of glaze thickness on the fracture toughness and hardness of alumina-reinforced porcelain. <i>Journal of Prosthetic Dentistry</i> , 1999 , 81, 515-9	4	27
22	In vivo retrospective study of cement thickness under crowns. <i>Journal of Prosthetic Dentistry</i> , 1998 , 79, 621-5	4	27
21	The influence of abutment angulation on strains and stresses along the implant/bone interface: comparison between two experimental techniques. <i>Journal of Prosthetic Dentistry</i> , 1998 , 79, 328-34	4	58
20	Residual dentin thickness in mandibular premolars prepared with hand and rotatory instruments. <i>Journal of Endodontics</i> , 1998 , 24, 401-4	4.7	56
19	A new muffle model system to study root canal morphology and instrumentation techniques. <i>Journal of Endodontics</i> , 1998 , 24, 540-2	4.7	8
18	Effect of irradiation time on tensile properties of stiffness and strength of composites. <i>Journal of Prosthetic Dentistry</i> , 1997 , 77, 471-4	4	15
17	Effect of combinations of surface treatments and bonding agents on the bond strength of repaired composites. <i>Journal of Prosthetic Dentistry</i> , 1997 , 77, 122-6	4	154
16	Shear modulus--measurement methodology with application to light-cured resin composites. <i>Dental Materials</i> , 1996 , 12, 52-7	5.7	4
15	Surface roughness of tooth shoulder preparations created by rotary instrumentation, hand planing, and ultrasonic oscillation. <i>Journal of Prosthetic Dentistry</i> , 1996 , 75, 4-8	4	10
14	Long-term durability of adhesive systems bonded to fresh amalgam. <i>Journal of Prosthetic Dentistry</i> , 1996 , 76, 431-6	4	5
13	The effect of irradiation time on the shear strength of composites. <i>Dental Materials</i> , 1994 , 10, 338-42	5.7	6

12	Effect of post design on resistance to fracture of endodontically treated teeth with complete crowns. <i>Journal of Prosthetic Dentistry</i> , 1993 , 69, 36-40	4	133
11	The effect of porcelain color on the hardness of luting composite resin cement. <i>Journal of Prosthetic Dentistry</i> , 1993 , 69, 620-3	4	39
10	The cantilever fixed partial denture--a literature review. <i>Journal of Prosthetic Dentistry</i> , 1992 , 67, 484-7	4	30
9	Post-irradiation polymerization of different anterior and posterior visible light-activated resin composites. <i>Dental Materials</i> , 1992 , 8, 299-304	5-7	128
8	Restoring teeth following crown lengthening procedures. <i>Journal of Prosthetic Dentistry</i> , 1991 , 65, 62-4	4	23
7	Cuspal flexure associated with amalgam restorations. <i>Journal of Prosthetic Dentistry</i> , 1990 , 63, 258-62	4	10
6	A controlled putty-wash impression technique. <i>Journal of Prosthetic Dentistry</i> , 1990 , 64, 635-6	4	10
5	Diagnostic casts--an additional dimension. <i>Journal of Prosthetic Dentistry</i> , 1989 , 61, 248-9	4	
4	Incomplete seating of cemented crowns: a literature review. <i>Journal of Prosthetic Dentistry</i> , 1988 , 59, 429-33	4	30
3	The efficacy of liquid and gel acid etchants. <i>Journal of Prosthetic Dentistry</i> , 1988 , 60, 545-7	4	12
2	Reliability of ratings in evaluation of crowns. <i>Journal of Prosthetic Dentistry</i> , 1987 , 58, 647-9	4	2
1	Aspirin inhibits Ca ²⁺ -stimulated fatty acid release from human washed platelets. <i>Prostaglandins, Leukotrienes and Essential Fatty Acids</i> , 1981 , 6, 657-60		2