

# Raphael Pilo

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,757  
citations

279487

23  
h-index

301761

39  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of combinations of surface treatments and bonding agents on the bond strength of repaired composites. <i>Journal of Prosthetic Dentistry</i> , 1997, 77, 122-126.	1.1	188
2	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.	1.1	162
3	Post-irradiation polymerization of different anterior and posterior visible light-activated resin composites. <i>Dental Materials</i> , 1992, 8, 299-304.	1.6	159
4	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, 328-334.	1.1	64
5	Residual dentin thickness in mandibular premolars prepared with hand and rotatory instruments. <i>Journal of Endodontics</i> , 1998, 24, 401-404.	1.4	62
6	Effect of core stiffness on the in vitro fracture of crowned, endodontically treated teeth. <i>Journal of Prosthetic Dentistry</i> , 2002, 88, 302-306.	1.1	62
7	The effect of porcelain color on the hardness of luting composite resin cement. <i>Journal of Prosthetic Dentistry</i> , 1993, 69, 620-623.	1.1	52
8	Comparison of microleakage for three one-bottle and three multiple-step dentin bonding agents. <i>Journal of Prosthetic Dentistry</i> , 1999, 82, 209-213.	1.1	48
9	Interaction of zirconia primers with yttria-stabilized zirconia surfaces. <i>Dental Materials</i> , 2016, 32, 353-362.	1.6	48
10	Anti-biofilm properties of wound dressing incorporating nonrelease polycationic antimicrobials. <i>Biomaterials</i> , 2015, 46, 141-148.	5.7	44
11	Residual dentin thickness in mandibular premolars prepared with Gates Glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000, 83, 617-623.	1.1	42
12	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, 267-273.	1.1	39
13	The cantilever fixed partial denture—A literature review. <i>Journal of Prosthetic Dentistry</i> , 1992, 67, 484-487.	1.1	38
14	Effect of tribochemical treatments and silane reactivity on resin bonding to zirconia. <i>Dental Materials</i> , 2018, 34, 306-316.	1.6	38
15	Enhanced Nanoassembly-Incorporated Antibacterial Composite Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21334-21342.	4.0	36
16	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, 351-355.	1.6	35
17	Predicting the clinical performance of dental students with a manual dexterity test. <i>PLoS ONE</i> , 2018, 13, e0193980.	1.1	35
18	Incomplete seating of cemented crowns: A literature review. <i>Journal of Prosthetic Dentistry</i> , 1988, 59, 429-433.	1.1	33

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19	Residual dentin thickness in mandibular premolars prepared with Gates Glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000, 83, 0617-0623.	1.1	33
20	In vivo retrospective study of cement thickness under crowns. <i>Journal of Prosthetic Dentistry</i> , 1998, 79, 621-625.	1.1	32
21	Effect of glaze thickness on the fracture toughness and hardness of alumina-reinforced porcelain. <i>Journal of Prosthetic Dentistry</i> , 1999, 81, 515-519.	1.1	32
22	Restoring teeth following crown lengthening procedures. <i>Journal of Prosthetic Dentistry</i> , 1991, 65, 62-64.	1.1	26
23	Effect of irradiation time on tensile properties of stiffness and strength of composites. <i>Journal of Prosthetic Dentistry</i> , 1997, 77, 471-474.	1.1	25
24	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, 124-133.	1.7	25
25	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, 1871-1877.	0.9	23
26	Antibacterial Activity of Dental Cements Containing Quaternary Ammonium Polyethylenimine Nanoparticles. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	1.5	22
27	Consolidation of complex motor skill learning: evidence for a delayed offline process. <i>Sleep</i> , 2018, 41, .	0.6	18
28	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-e42.	0.4	17
29	Setting characteristics and mechanical properties of self-adhesive resin luting agents. <i>Dental Materials</i> , 2017, 33, 344-357.	1.6	17
30	Appropriateness of viscoelastic soft materials as in vitro simulators of the periodontal ligament. <i>Journal of Oral Rehabilitation</i> , 2011, 38, 929-939.	1.3	16
31	An interventional study for improving the manual dexterity of dentistry students. <i>PLoS ONE</i> , 2019, 14, e0211639.	1.1	16
32	A controlled putty-wash impression technique. <i>Journal of Prosthetic Dentistry</i> , 1990, 64, 635-636.	1.1	15
33	The efficacy of liquid and gel acid etchants. <i>Journal of Prosthetic Dentistry</i> , 1988, 60, 545-547.	1.1	14
34	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.	1.1	14
35	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.	0.7	14
36	Retention and marginal leakage of provisional crowns cemented with provisional cements enriched with chlorhexidine diacetate. <i>Journal of Prosthetic Dentistry</i> , 2007, 98, 373-378.	1.1	13

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37	Dimensional stability of polyvinyl siloxane impression material reproducing the sulcular area. <i>Dental Materials Journal</i> , 2013, 32, 25-31.	0.8	12
38	Effect of Different Surface Treatments of Lithium Disilicate on the Adhesive Properties of Resin Cements. <i>Materials</i> , 2021, 14, 3302.	1.3	12
39	Residual dentin thickness in mandibular premolars prepared with gates glidden and ParaPost drills. <i>Journal of Prosthetic Dentistry</i> , 2000, 83, 617-23.	1.1	12
40	Cuspal flexure associated with amalgam restorations. <i>Journal of Prosthetic Dentistry</i> , 1990, 63, 258-262.	1.1	11
41	Can cone beam CT predict the hardness of interradicular cortical bone?. <i>Head &amp; Face Medicine</i> , 2014, 10, 12.	0.8	11
42	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.	0.7	11
43	The effect of irradiation time on the shear strength of composites. <i>Dental Materials</i> , 1994, 10, 338-342.	1.6	9
44	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, 1058-1064.	1.6	9
45	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, 466-471.	0.7	9
46	A new muffle model system to study root canal morphology and instrumentation techniques. <i>Journal of Endodontics</i> , 1998, 24, 540-542.	1.4	8
47	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.	1.5	8
48	Survival and Success Rates of Monolithic Zirconia Restorations Supported by Teeth and Implants in Bruxer versus Non-Bruxer Patients: A Retrospective Study. <i>Materials</i> , 2022, 15, 833.	1.3	8
49	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.	0.3	8
50	Long-term durability of adhesive systems bonded to fresh amalgam. <i>Journal of Prosthetic Dentistry</i> , 1996, 76, 431-436.	1.1	7
51	Novel silane encapsulation system for tribochemical resin bonding to a Co-Cr alloy. <i>Journal of Dentistry</i> , 2016, 50, 60-68.	1.7	7
52	The effect of resin coating on the shear punch strength of restorative glass ionomer cements. <i>Clinical Oral Investigations</i> , 2017, 21, 1079-1086.	1.4	6
53	Does Augmented Visual Feedback from Novel, Multicolored, Three-dimensional Printed Teeth Affect Dental Students' Acquisition of Manual Skills?. <i>Anatomical Sciences Education</i> , 2020, 14, 629-640.	2.5	6
54	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, 3998.	1.3	6

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55	Shear modulusâ€™ Measurement methodology with application to light-cured resin composites. <i>Dental Materials</i> , 1996, 12, 52-57.	1.6	5
56	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.	1.8	5
57	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, 3056.	1.3	5
58	Tensile Mechanical Properties of Swine Cortical Mandibular Bone. <i>PLoS ONE</i> , 2014, 9, e113229.	1.1	5
59	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.	1.7	3
60	Strain Distribution in Root Surface Dentin of Maxillary Central Incisors during Lateral Compaction. <i>PLoS ONE</i> , 2016, 11, e0156461.	1.1	3
61	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, 4082.	1.8	3
62	3D-Printed Teeth with Multicolored Layers as a Tool for Evaluating Cavity Preparation by Dental Students. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6406.	1.3	3
63	Aspirin inhibits Ca <sup>2+</sup> -stimulated fatty acid release from human washed platelets. <i>Prostaglandins, Leukotrienes and Essential Fatty Acids</i> , 1981, 6, 657-660.	1.2	2
64	Reliability of ratings in evaluation of crowns. <i>Journal of Prosthetic Dentistry</i> , 1987, 58, 647-649.	1.1	2
65	Abutment positioning in a cantilevered shortened dental arch: A clinical report and static analysis. <i>Journal of Prosthetic Dentistry</i> , 2003, 89, 227-231.	1.1	2
66	New Training Approach for Improving the Spatial Perception and Orientation Ability of Dentistry Students. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9387.	1.3	1
67	The Accuracy of Open-Tray vs. Snap on Impression Techniques in A 6-Implant Model: An In Vitro 3D Study. <i>Materials</i> , 2022, 15, 2103.	1.3	1
68	Diagnostic castsâ€™ an additional dimension. <i>Journal of Prosthetic Dentistry</i> , 1989, 61, 248-249.	1.1	0
69	Evaluation of Implant Stability and Trepination Depth for Implant Removalâ€™ An In Vitro Study. <i>Materials</i> , 2022, 15, 4200.	1.3	0
70	Influence of Practitioner-Related Placement Variables on the Compressive Properties of Bulk-Fill Composite Resinsâ€™ An In Vitro Clinical Simulation Study. <i>Materials</i> , 2022, 15, 4305.	1.3	0