

# Aline Almeida Neves

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

83

papers

2,210

citations

26

h-index

45

g-index

92

ext. papers

2,618

ext. citations

3.6

avg, IF

4.67

L-index

#	Paper	IF	Citations
83	In vitro effect of experimental nanocomposites solutions on the prevention of dental caries around orthodontic brackets. <i>Brazilian Dental Journal</i> , <b>2021</b> , 32, 62-73	1.9	1
82	Porosity and pore size distribution in high-viscosity and conventional glass ionomer cements: a micro-computed tomography study.. <i>Restorative Dentistry &amp; Endodontics</i> , <b>2021</b> , 46, e57	1.5	0
81	Micro-CT evaluation of root canal preparation with rotary instrumentation on prototyped primary incisors.. <i>Brazilian Oral Research</i> , <b>2021</b> , 35, e132	2.6	0
80	Worldwide trends on molar incisor and deciduous molar hypomineralisation research: a bibliometric analysis over a 19-year period. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , <b>2021</b> , 1	2.7	0
79	The bacterial microbiome and metabolome in caries progression and arrest. <i>Journal of Oral Microbiology</i> , <b>2021</b> , 13, 1886748	6.3	2
78	Fabrication and characterization of remineralizing dental composites containing calcium type pre-reacted glass-ionomer (PRG-Ca) fillers. <i>Dental Materials</i> , <b>2021</b> , 37, 1325-1336	5.7	1
77	Fabrication and characterization of remineralizing dental composites containing hydroxyapatite nanoparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 109, 103817	4.1	15
76	Characterization and effect of nanocomplexed fluoride solutions on the inhibition of enamel demineralization created by a multispecies cariogenic biofilm model. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 3947-3959	4.2	2
75	Cyclodextrin and TiF4 Nanocomplex on Enamel Demineralization. <i>Brazilian Dental Journal</i> , <b>2020</b> , 31, 423-430	4.3	0
74	Root canal obturation materials and filling techniques for primary teeth: In vitro evaluation in polymer-based prototyped incisors. <i>International Journal of Paediatric Dentistry</i> , <b>2020</b> , 30, 381-389	3.1	2
73	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. <i>British Dental Journal</i> , <b>2020</b> , 229, 450-458	1.2	5
72	Minimally invasive judgement calls: managing compromised first permanent molars in children. <i>British Dental Journal</i> , <b>2020</b> , 229, 459-465	1.2	7
71	Is there evidence for the use of lesion sterilization and tissue repair therapy in the endodontic treatment of primary teeth? A systematic review and meta-analyses. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 2959-2972	4.2	3
70	Does Calcium Hydroxide Reduce Endotoxins in Infected Root Canals? Systematic Review and Meta-analysis. <i>Journal of Endodontics</i> , <b>2020</b> , 46, 1545-1558	4.7	0
69	Probiotic fermented sheep milk containing Lactobacillus casei 01: Effects on enamel mineral loss and Streptococcus counts in a dental biofilm model. <i>Journal of Functional Foods</i> , <b>2019</b> , 54, 241-248	5.1	7
68	Chemical and Physical Modification of Carbonated Energy Beverages to Reduce the Damage Over Teeth and Restorative Materials <b>2019</b> , 205-227		0
67	Experimental composites containing quaternary ammonium methacrylates reduce demineralization at enamel-restoration margins after cariogenic challenge. <i>Dental Materials</i> , <b>2019</b> , 35, e175-e183	5.7	8

66	Effects of Ions-Releasing Restorative Materials on the Dentine Bonding Longevity of Modern Universal Adhesives after Load-Cycle and Prolonged Artificial Saliva Aging. <i>Materials</i> , <b>2019</b> , 12,	3.5	13
65	Remineralizing potential of dental composites containing silanized silica-hydroxyapatite (Si-HAp) nanoporous particles charged with sodium fluoride (NaF). <i>Journal of Dentistry</i> , <b>2019</b> , 90, 103211	4.8	10
64	Is the caregivers' oral health related to dental caries in children or adolescents? A systematic review. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 3843-3854	4.2	7
63	Mineral density changes in bovine carious dentin after treatment with bioactive dental cements: a comparative micro-CT study. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 1865-1870	4.2	8
62	Characterization of low-shrinkage dental composites containing methacrylethyl-polyhedral oligomeric silsesquioxane (ME-POSS). <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 90, 566-574	4.1	13
61	Effect of TiF varnish on microbiological changes and caries prevention: in situ and in vivo models. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 2583-2591	4.2	13
60	Reciprocating instrumentation in a maxillary primary central incisor: A protocol tested in a 3D printed prototype. <i>International Journal of Paediatric Dentistry</i> , <b>2019</b> , 29, 50-57	3.1	3
59	Mineral density in carious dentine after treatment with calcium silicates and polyacrylic acid-based cements. <i>International Endodontic Journal</i> , <b>2018</b> , 51, 1292-1300	5.4	4
58	A dual energy micro-CT methodology for visualization and quantification of biofilm formation and dentin demineralization. <i>Archives of Oral Biology</i> , <b>2018</b> , 85, 10-15	2.8	8
57	Accuracy of visual and image-based ICDAS criteria compared with a micro-CT gold standard for caries detection on occlusal surfaces. <i>Brazilian Oral Research</i> , <b>2018</b> , 32, e60	2.6	5
56	Effects of increased apical enlargement on the amount of unprepared areas and coronal dentine removal: a micro-computed tomography study. <i>International Endodontic Journal</i> , <b>2018</b> , 51, 684-690	5.4	28
55	Efficacy of sealing occlusal caries with a flowable composite in primary molars: A 2-year randomized controlled clinical trial. <i>Journal of Dentistry</i> , <b>2018</b> , 74, 49-55	4.8	8
54	Dissolution, dislocation and dimensional changes of endodontic sealers after a solubility challenge: a micro-CT approach. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 407-414	5.4	44
53	Do smear-layer removal agents affect the push-out bond strength of calcium silicate-based endodontic sealers?. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 612-619	5.4	39
52	Impact of needle insertion depth on the removal of hard-tissue debris. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 560-568	5.4	26
51	Dental caries in the fossil record: a window to the evolution of dietary plasticity in an extinct bear. <i>Scientific Reports</i> , <b>2017</b> , 7, 17813	4.9	8
50	Is the morphology and activity of the occlusal carious lesion related to the lesion progression stage?. <i>Archives of Oral Biology</i> , <b>2016</b> , 72, 33-38	2.8	3
49	Influence of electronic apex locators and a gutta-percha heating device on implanted cardiac devices: an in vivo study. <i>International Endodontic Journal</i> , <b>2016</b> , 49, 526-32	5.4	4

48	Quantitative transportation assessment in curved canals prepared with an off-centered rectangular design system. <i>Brazilian Oral Research</i> , <b>2016</b> , 30, e43	2.6	11
47	On the Causality Between Dentinal Defects and Root Canal Preparation: A Micro-CT Assessment. <i>Brazilian Dental Journal</i> , <b>2016</b> , 27, 664-669	1.9	28
46	Comparison of canal transportation in simulated curved canals prepared with ProTaper Universal and ProTaper Gold systems. <i>Restorative Dentistry &amp; Endodontics</i> , <b>2016</b> , 41, 1-5	1.5	17
45	Cytotoxic effect of the debris apically extruded during three different retreatment procedures. <i>Journal of Oral Science</i> , <b>2016</b> , 58, 211-7	1.5	2
44	Quantitative Transportation Assessment in Simulated Curved Canals Prepared with an Adaptive Movement System. <i>Journal of Endodontics</i> , <b>2015</b> , 41, 1125-9	4.7	20
43	Caries-removal effectiveness of a papain-based chemo-mechanical agent: A quantitative micro-CT study. <i>Scanning</i> , <b>2015</b> , 37, 258-64	1.6	5
42	Micro-computed Tomographic Assessment on the Effect of ProTaper Next and Twisted File Adaptive Systems on Dentinal Cracks. <i>Journal of Endodontics</i> , <b>2015</b> , 41, 1116-9	4.7	87
41	Exploiting the potential of free software to evaluate root canal biomechanical preparation outcomes through micro-CT images. <i>International Endodontic Journal</i> , <b>2015</b> , 48, 1033-42	5.4	34
40	Stress and strain distribution in demineralized enamel: A micro-CT based finite element study. <i>Microscopy Research and Technique</i> , <b>2015</b> , 78, 865-72	2.8	7
39	Apically extruded dentin debris by reciprocating single-file and multi-file rotary system. <i>Clinical Oral Investigations</i> , <b>2015</b> , 19, 357-61	4.2	73
38	Three-dimensional Quantitative Porosity Characterization of Syringe- versus Hand-mixed Set Epoxy Resin Root Canal Sealer. <i>Brazilian Dental Journal</i> , <b>2015</b> , 26, 607-11	1.9	10
37	Micro-CT Evaluation of Non-instrumented Canal Areas with Different Enlargements Performed by NiTi Systems. <i>Brazilian Dental Journal</i> , <b>2015</b> , 26, 624-9	1.9	45
36	Postoperative pain after foraminal instrumentation with a reciprocating system and different irrigating solutions. <i>Brazilian Dental Journal</i> , <b>2015</b> , 26, 216-21	1.9	8
35	Mineralogy evaluation and segmentation using dual-energy microtomography. <i>X-Ray Spectrometry</i> , <b>2015</b> , 44, 99-104	0.9	7
34	Accumulated hard tissue debris produced during reciprocating and rotary nickel-titanium canal preparation. <i>Journal of Endodontics</i> , <b>2015</b> , 41, 676-81	4.7	63
33	Assessment of apically extruded debris produced by the self-adjusting file system. <i>Journal of Endodontics</i> , <b>2014</b> , 40, 526-9	4.7	32
32	Assessing accumulated hard-tissue debris using micro-computed tomography and free software for image processing and analysis. <i>Journal of Endodontics</i> , <b>2014</b> , 40, 271-6	4.7	41
31	3D-microleakage assessment of adhesive interfaces: exploratory findings by $\mu$ CT. <i>Dental Materials</i> , <b>2014</b> , 30, 799-807	5.7	26

30	Evaluation of foraminal transportation during foraminal enlargement with different instrumentation systems. <i>Brazilian Journal of Oral Sciences</i> , <b>2014</b> , 13, 246-250	10	2
29	Push-out bond strength of a self-adhesive resin cement used as endodontic sealer. <i>Restorative Dentistry &amp; Endodontics</i> , <b>2014</b> , 39, 282-7	1.5	8
28	Reciprocating versus rotary systems for root filling removal: assessment of the apically extruded material. <i>Journal of Endodontics</i> , <b>2014</b> , 40, 2077-80	4.7	57
27	Lack of causal relationship between dentinal microcracks and root canal preparation with reciprocation systems. <i>Journal of Endodontics</i> , <b>2014</b> , 40, 1447-50	4.7	125
26	Assessment of coronal leakage of a new temporary light-curing filling material in endodontically treated teeth. <i>Indian Journal of Dental Research</i> , <b>2014</b> , 25, 321-4	0.8	4
25	The ability of the Reciproc R25 instrument to reach the full root canal working length without a glide path. <i>International Endodontic Journal</i> , <b>2013</b> , 46, 993-8	5.4	58
24	Tridimensional quantitative porosity characterization of three set calcium silicate-based repair cements for endodontic use. <i>Microscopy Research and Technique</i> , <b>2013</b> , 76, 1093-8	2.8	34
23	Caries-removal effectiveness and minimal-invasiveness potential of caries-excitation techniques: a micro-CT investigation. <i>Journal of Dentistry</i> , <b>2011</b> , 39, 154-62	4.8	56
22	Does DIAGNOdent provide a reliable caries-removal endpoint?. <i>Journal of Dentistry</i> , <b>2011</b> , 39, 351-60	4.8	20
21	Current aspects on bonding effectiveness and stability in adhesive dentistry. <i>Australian Dental Journal</i> , <b>2011</b> , 56 Suppl 1, 31-44	2.3	187
20	Effect of dentin location and long-term water storage on bonding effectiveness of dentin adhesives. <i>Dental Materials Journal</i> , <b>2011</b> , 30, 7-13	2.5	28
19	Playing wind instruments as a potential aetiologic cofactor in external cervical resorption: two case reports. <i>International Endodontic Journal</i> , <b>2011</b> , 44, 268-82	5.4	20
18	Micro-tensile bond strength and interfacial characterization of an adhesive bonded to dentin prepared by contemporary caries-excitation techniques. <i>Dental Materials</i> , <b>2011</b> , 27, 552-62	5.7	24
17	Nanoleakage distribution at adhesive-dentin interfaces in 3D. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 1019-25	15	
16	Current concepts and techniques for caries excavation and adhesion to residual dentin. <i>Journal of Adhesive Dentistry</i> , <b>2011</b> , 13, 7-22	3	65
15	Towards a better understanding of the adhesion mechanism of resin-modified glass-ionomers by bonding to differently prepared dentin. <i>Journal of Dentistry</i> , <b>2010</b> , 38, 921-9	4.8	46
14	Relationship between bond-strength tests and clinical outcomes. <i>Dental Materials</i> , <b>2010</b> , 26, e100-21	5.7	431
13	Micro-CT based quantitative evaluation of caries excavation. <i>Dental Materials</i> , <b>2010</b> , 26, 579-88	5.7	54

12	Influence of joint component mechanical properties and adhesive layer thickness on stress distribution in micro-tensile bond strength specimens. <i>Dental Materials</i> , <b>2009</b> , 25, 4-12	5.7	30
11	Ultrastructural characterization of tooth-biomaterial interfaces prepared with broad and focused ion beams. <i>Dental Materials</i> , <b>2009</b> , 25, 1325-37	5.7	17
10	Bonding effectiveness and interfacial characterization of a nano-filled resin-modified glass-ionomer. <i>Dental Materials</i> , <b>2009</b> , 25, 1347-57	5.7	58
9	Influence of notch geometry and interface on stress concentration and distribution in micro-tensile bond strength specimens. <i>Journal of Dentistry</i> , <b>2008</b> , 36, 808-15	4.8	18
8	Biological restorations as an alternative treatment for primary posterior teeth. <i>Journal of Clinical Pediatric Dentistry</i> , <b>2003</b> , 27, 305-10	1.6	5
7	Transmission Polarized Light Microscopy of Carious Human Dental Enamel. <i>Microscopy and Microanalysis</i> , <b>2003</b> , 9, 1534-1535	0.5	2
6	Microscopic investigation of artificially demineralized surface enamel exposed to controlled intra-oral periods. <i>Australian Dental Journal</i> , <b>2003</b> , 48, 248-54	2.3	1
5	Microstructural analysis of demineralized primary enamel after in vitro toothbrushing. <i>Pesquisa Odontologica Brasileira = Brazilian Oral Research</i> , <b>2002</b> , 16, 137-43		5
4	Bilateral connotation of permanent mandibular incisors: a case report. <i>International Journal of Paediatric Dentistry</i> , <b>2002</b> , 12, 61-5	3.1	21
3	Levels of infection and colonization of some oral bacteria after use of naf, chlorhexidine and a combined chlorhexidine with naf mouthrinses. <i>Brazilian Journal of Microbiology</i> , <b>2001</b> , 32, 158-161	2.2	3
2	Root canal segmentation in cone-beam computed tomography. <i>Brazilian Journal of Oral Sciences</i> , <b>2001</b> , 18, e191627	10	1
1	Sealing Carious Fissures with Resin Infiltrant in Association with a Flowable Composite Reduces Immediate Microleakage?. <i>Pesquisa Brasileira Em Odontopediatria E Clinica Integrada</i> , <b>2001</b> , 20,	0.7	1