

# Aline Almeida Neves

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

3,170  
citations

172457

29  
h-index

161849

54  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between bond-strength tests and clinical outcomes. <i>Dental Materials</i> , 2010, 26, e100-e121.	3.5	597
2	Current aspects on bonding effectiveness and stability in adhesive dentistry. <i>Australian Dental Journal</i> , 2011, 56, 31-44.	1.5	279
3	Lack of Causal Relationship between Dentinal Microcracks and Root Canal Preparation with Reciprocation Systems. <i>Journal of Endodontics</i> , 2014, 40, 1447-1450.	3.1	153
4	Micro-computed Tomographic Assessment on the Effect of ProTaper Next and Twisted File Adaptive Systems on Dentinal Cracks. <i>Journal of Endodontics</i> , 2015, 41, 1116-1119.	3.1	109
5	Apically extruded dentin debris by reciprocating single-file and multi-file rotary system. <i>Clinical Oral Investigations</i> , 2015, 19, 357-361.	3.0	105
6	Current concepts and techniques for caries excavation and adhesion to residual dentin. <i>Journal of Adhesive Dentistry</i> , 2011, 13, 7-22.	0.5	102
7	Reciprocating Versus Rotary Systems for Root Filling Removal: Assessment of the Apically Extruded Material. <i>Journal of Endodontics</i> , 2014, 40, 2077-2080.	3.1	86
8	Accumulated Hard Tissue Debris Produced during Reciprocating and Rotary Nickel-Titanium Canal Preparation. <i>Journal of Endodontics</i> , 2015, 41, 676-681.	3.1	81
9	Caries-removal effectiveness and minimal-invasiveness potential of caries-excitation techniques: A micro-CT investigation. <i>Journal of Dentistry</i> , 2011, 39, 154-162.	4.1	80
10	The ability of the Reciproc R25 instrument to reach the full root canal working length without a glide path. <i>International Endodontic Journal</i> , 2013, 46, 993-998.	5.0	76
11	Bonding effectiveness and interfacial characterization of a nano-filled resin-modified glass-ionomer. <i>Dental Materials</i> , 2009, 25, 1347-1357.	3.5	75
12	Micro-CT Evaluation of Non-instrumented Canal Areas with Different Enlargements Performed by NiTi Systems. <i>Brazilian Dental Journal</i> , 2015, 26, 624-629.	1.1	70
13	Micro-CT based quantitative evaluation of caries excavation. <i>Dental Materials</i> , 2010, 26, 579-588.	3.5	68
14	Towards a better understanding of the adhesion mechanism of resin-modified glass-ionomers by bonding to differently prepared dentin. <i>Journal of Dentistry</i> , 2010, 38, 921-929.	4.1	62
15	Dissolution, dislocation and dimensional changes of endodontic sealers after a solubility challenge: a micro-CT approach. <i>International Endodontic Journal</i> , 2017, 50, 407-414.	5.0	59
16	Do smear-layer removal agents affect the push-out bond strength of calcium silicate-based endodontic sealers?. <i>International Endodontic Journal</i> , 2017, 50, 612-619.	5.0	51
17	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> , 2018, 51, 684-690.	5.0	49
18	Assessing Accumulated Hard-tissue Debris Using Micro-computed Tomography and Free Software for Image Processing and Analysis. <i>Journal of Endodontics</i> , 2014, 40, 271-276.	3.1	47

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19	Exploiting the potential of free software to evaluate root canal biomechanical preparation outcomes through micro-CT images. <i>International Endodontic Journal</i> , 2015, 48, 1033-1042.	5.0	45
20	Tridimensional quantitative porosity characterization of three set calcium silicate-based repair cements for endodontic use. <i>Microscopy Research and Technique</i> , 2013, 76, 1093-1098.	2.2	44
21	Assessment of Apically Extruded Debris Produced by the Self-Adjusting File System. <i>Journal of Endodontics</i> , 2014, 40, 526-529.	3.1	44
22	Impact of needle insertion depth on the removal of hard tissue debris. <i>International Endodontic Journal</i> , 2017, 50, 560-568.	5.0	41
23	Influence of joint component mechanical properties and adhesive layer thickness on stress distribution in micro-tensile bond strength specimens. <i>Dental Materials</i> , 2009, 25, 4-12.	3.5	38
24	On the Causality Between Dentinal Defects and Root Canal Preparation: A Micro-CT Assessment. <i>Brazilian Dental Journal</i> , 2016, 27, 664-669.	1.1	36
25	Quantitative Transportation Assessment in Simulated Curved Canals Prepared with an Adaptive Movement System. <i>Journal of Endodontics</i> , 2015, 41, 1125-1129.	3.1	34
26	Effect of dentin location and long-term water storage on bonding effectiveness of dentin adhesives. <i>Dental Materials Journal</i> , 2011, 30, 7-13.	1.8	33
27	Bilateral connotation of permanent mandibular incisors: a case report. <i>International Journal of Paediatric Dentistry</i> , 2002, 12, 61-65.	1.8	32
28	3D-microleakage assessment of adhesive interfaces: Exploratory findings by $\mu$ CT. <i>Dental Materials</i> , 2014, 30, 799-807.	3.5	31
29	Micro-tensile bond strength and interfacial characterization of an adhesive bonded to dentin prepared by contemporary caries-excitation techniques. <i>Dental Materials</i> , 2011, 27, 552-562.	3.5	30
30	Comparison of canal transportation in simulated curved canals prepared with ProTaper Universal and ProTaper Gold systems. <i>Restorative Dentistry &amp; Endodontics</i> , 2016, 41, 1.	1.5	29
31	Fabrication and characterization of remineralizing dental composites containing hydroxyapatite nanoparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 109, 103817.	3.1	27
32	Influence of notch geometry and interface on stress concentration and distribution in micro-tensile bond strength specimens. <i>Journal of Dentistry</i> , 2008, 36, 808-815.	4.1	26
33	Playing wind instruments as a potential aetiological cofactor in external cervical resorption: two case reports. <i>International Endodontic Journal</i> , 2011, 44, 268-282.	5.0	26
34	Does DIAGNOdent provide a reliable caries-removal endpoint?. <i>Journal of Dentistry</i> , 2011, 39, 351-360.	4.1	24
35	Mineral density changes in bovine carious dentin after treatment with bioactive dental cements: a comparative micro-CT study. <i>Clinical Oral Investigations</i> , 2019, 23, 1865-1870.	3.0	23
36	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. <i>British Dental Journal</i> , 2020, 229, 450-458.	0.6	23

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37	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> , 2019, 12, 722.	2.9	22
38	Ultrastructural characterization of tooth-biomaterial interfaces prepared with broad and focused ion beams. <i>Dental Materials</i> , 2009, 25, 1325-1337.	3.5	21
39	Characterization of low-shrinkage dental composites containing methacrylethyl-polyhedral oligomeric silsesquioxane (ME-POSS). <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 566-574.	3.1	21
40	Nanoleakage Distribution at Adhesive-Dentin Interfaces in 3D. <i>Journal of Dental Research</i> , 2011, 90, 1019-1025.	5.2	18
41	Probiotic fermented sheep's milk containing <i>Lactobacillus casei</i> 01: Effects on enamel mineral loss and <i>Streptococcus</i> counts in a dental biofilm model. <i>Journal of Functional Foods</i> , 2019, 54, 241-248.	3.4	18
42	Efficacy of sealing occlusal caries with a flowable composite in primary molars: A 2-year randomized controlled clinical trial. <i>Journal of Dentistry</i> , 2018, 74, 49-55.	4.1	15
43	Remineralizing potential of dental composites containing silanized silica-hydroxyapatite (Si-HAp) nanoporous particles charged with sodium fluoride (NaF). <i>Journal of Dentistry</i> , 2019, 90, 103211.	4.1	15
44	Effect of TiF4 varnish on microbiological changes and caries prevention: in situ and in vivo models. <i>Clinical Oral Investigations</i> , 2019, 23, 2583-2591.	3.0	14
45	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> , 2020, 30, 381-389.	1.8	14
46	The bacterial microbiome and metabolome in caries progression and arrest. <i>Journal of Oral Microbiology</i> , 2021, 13, 1886748.	2.7	14
47	Postoperative Pain after Foraminal Instrumentation with a Reciprocating System and Different Irrigating Solutions. <i>Brazilian Dental Journal</i> , 2015, 26, 216-221.	1.1	13
48	Three-dimensional Quantitative Porosity Characterization of Syringe- versus Hand-mixed Set Epoxy Resin Root Canal Sealer. <i>Brazilian Dental Journal</i> , 2015, 26, 607-611.	1.1	12
49	Quantitative transportation assessment in curved canals prepared with an off-centered rectangular design system. <i>Brazilian Oral Research</i> , 2016, 30, e43.	1.4	12
50	A dual energy micro-CT methodology for visualization and quantification of biofilm formation and dentin demineralization. <i>Archives of Oral Biology</i> , 2018, 85, 10-15.	1.8	12
51	Minimally invasive judgement calls: managing compromised first permanent molars in children. <i>British Dental Journal</i> , 2020, 229, 459-465.	0.6	12
52	Mineral density in carious dentine after treatment with calcium silicates and polyacrylic acid-based cements. <i>International Endodontic Journal</i> , 2018, 51, 1292-1300.	5.0	11
53	Experimental composites containing quaternary ammonium methacrylates reduce demineralization at enamel-restoration margins after cariogenic challenge. <i>Dental Materials</i> , 2019, 35, e175-e183.	3.5	11
54	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> , 2020, 24, 2959-2972.	3.0	11

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55	Biological restorations as an alternative treatment for primary posterior teeth. <i>Journal of Clinical Pediatric Dentistry</i> , 2003, 27, 305-310.	1.0	10
56	Mineralogy evaluation and segmentation using dual-energy microtomography. <i>X-Ray Spectrometry</i> , 2015, 44, 99-104.	1.4	10
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> , 2018, 32, e60.	1.4	10
58	Dental caries in the fossil record: a window to the evolution of dietary plasticity in an extinct bear. <i>Scientific Reports</i> , 2017, 7, 17813.	3.3	9
59	Is the caregivers' oral health related to dental caries in children or adolescents? A systematic review. <i>Clinical Oral Investigations</i> , 2019, 23, 3843-3854.	3.0	9
60	Reciprocating instrumentation in a maxillary primary central incisor: A protocol tested in a 3D printed prototype. <i>International Journal of Paediatric Dentistry</i> , 2019, 29, 50-57.	1.8	9
61	Microstructural analysis of demineralized primary enamel after in vitro toothbrushing. <i>Pesquisa Odontologica Brasileira = Brazilian Oral Research</i> , 2002, 16, 137-143.	0.3	8
62	Push-out bond strength of a self-adhesive resin cement used as endodontic sealer. <i>Restorative Dentistry &amp; Endodontics</i> , 2014, 39, 282.	1.5	8
63	Does Calcium Hydroxide Reduce Endotoxins in Infected Root Canals? Systematic Review and Meta-analysis. <i>Journal of Endodontics</i> , 2020, 46, 1545-1558.	3.1	8
64	Stress and strain distribution in demineralized enamel: A micro-CT based finite element study. <i>Microscopy Research and Technique</i> , 2015, 78, 865-872.	2.2	7
65	Fabrication and characterization of remineralizing dental composites containing calcium type pre-reacted glass-ionomer (PRG-Ca) fillers. <i>Dental Materials</i> , 2021, 37, 1325-1336.	3.5	7
66	Is the morphology and activity of the occlusal carious lesion related to the lesion progression stage?. <i>Archives of Oral Biology</i> , 2016, 72, 33-38.	1.8	6
67	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> , 2022, 23, 133-146.	1.9	6
68	Porosity and pore size distribution in high-viscosity and conventional glass ionomer cements: a micro-computed tomography study. <i>Restorative Dentistry &amp; Endodontics</i> , 2021, 46, e57.	1.5	6
69	Assessment of the remineralisation induced by contemporary ion-releasing materials in mineral-depleted dentine. <i>Clinical Oral Investigations</i> , 2022, 26, 6195-6207.	3.0	6
70	Caries-removal effectiveness of a papain-based chemo-mechanical agent: A quantitative micro-CT study. <i>Scanning</i> , 2015, 37, 258-264.	1.5	5
71	Cytotoxic effect of the debris apically extruded during three different retreatment procedures. <i>Journal of Oral Science</i> , 2016, 58, 211-217.	1.7	5
72	Root canal segmentation in cone-beam computed tomography. <i>Brazilian Journal of Oral Sciences</i> , 0, 18, e191627.	0.1	5

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73	Influence of electronic apex locators and a gutta-percha heating device on implanted cardiac devices: an <i>in vivo</i> study. <i>International Endodontic Journal</i> , 2016, 49, 526-532.	5.0	4
74	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> , 2001, 32, 158-161.	2.0	4
75	Assessment of coronal leakage of a new temporary light-curing filling material in endodontically treated teeth. <i>Indian Journal of Dental Research</i> , 2014, 25, 321.	0.4	4
76	Micro-CT evaluation of root canal preparation with rotary instrumentation on prototyped primary incisors. <i>Brazilian Oral Research</i> , 2021, 35, e132.	1.4	4
77	Microscopic investigation of artificially demineralized surface enamel exposed to controlled intraoral periods. <i>Australian Dental Journal</i> , 2003, 48, 248-254.	1.5	3
78	Evaluation of foraminal transportation during foraminal enlargement with different instrumentation systems. <i>Brazilian Journal of Oral Sciences</i> , 2014, 13, 246-250.	0.1	3
79	In vitro effect of experimental nanocomposites solutions on the prevention of dental caries around orthodontic brackets. <i>Brazilian Dental Journal</i> , 2021, 32, 62-73.	1.1	3
80	Transmission Polarized Light Microscopy of Carious Human Dental Enamel. <i>Microscopy and Microanalysis</i> , 2003, 9, 1534-1535.	0.4	2
81	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> , 2020, 24, 3947-3959.	3.0	2
82	Sealing Carious Fissures with Resin Infiltrant in Association with a Flowable Composite Reduces Immediate Microleakage?. <i>Pesquisa Brasileira Em Odontopediatria E Clinica Integrada</i> , 0, 20, .	0.9	2
83	Management of compromised first permanent molars in a cohort of UK paediatric patients referred to hospital-based services. <i>International Journal of Paediatric Dentistry</i> , 2022, 32, 724-736.	1.8	2
84	Chemical and Physical Modification of Carbonated Energy Beverages to Reduce the Damage Over Teeth and Restorative Materials. , 2019, , 205-227.		1
85	Cyclodextrin and TiF4 Nanocomplex on Enamel Demineralization. <i>Brazilian Dental Journal</i> , 2020, 31, 423-430.	1.1	1
86	Influência do Grau de Umidade da Dentina Decídua na Infiltração Marginal da Interface Formada com Três Sistemas Adesivos. <i>Pesquisa Brasileira Em Odontopediatria E Clinica Integrada</i> , 2013, 13, 45-52.	0.9	0
87	Reliability of Two Methods of Evaluation of the Apical Limit of Obturation of Root Canals of Primary Teeth: A Pilot Study. <i>Pesquisa Brasileira Em Odontopediatria E Clinica Integrada</i> , 0, 20, .	0.9	0
88	Tridimensional roughness and morphology of sound dentin surfaces after papain-gel treatment. <i>Dentistry 3000</i> , 2022, 10, .	0.2	0
89	Should compromised first permanent molar teeth in children be routinely removed? A health economics analysis. <i>Community Dentistry and Oral Epidemiology</i> , 0, , .	1.9	0
90	Resin infiltration for esthetic improvement of mild fluorosis in a patient with autism spectrum disorder: A 36-month follow-up. <i>Research, Society and Development</i> , 2022, 11, e14511931540.	0.1	0