Aline Almeida Neves

List of Publications by Year
in descending order

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	Worldwide trends on molar incisor and deciduous molar hypomineralisation research: a bibliometric analysis over a 19-year period. European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry, 2022, 23, 133-146.	1.9	6
2	Tridimensional roughness and morphology of sound dentin surfaces after papain-gel treatment. Dentistry 3000, 2022, 10, .	0.2	0
3	Management of compromised first permanent molars in a cohort of UK paediatric patients referred to hospitalâ€based services. International Journal of Paediatric Dentistry, 2022, 32, 724-736.	1.8	2
4	Assessment of the remineralisation induced by contemporary ion-releasing materials in mineral-depleted dentine. Clinical Oral Investigations, 2022, 26, 6195-6207.	3.0	6
5	Resin infiltration for esthetic improvement of mild fluorosis in a patient with autism spectrum disorder: A 36-month follow-up. Research, Society and Development, 2022, 11, e14511931540.	0.1	0
6	The bacterial microbiome and metabolome in caries progression and arrest. Journal of Oral Microbiology, 2021, 13, 1886748.	2.7	14
7	Fabrication and characterization of remineralizing dental composites containing calcium type pre-reacted glass-ionomer (PRG-Ca) fillers. Dental Materials, 2021, 37, 1325-1336.	3.5	7
8	Porosity and pore size distribution in high-viscosity and conventional glass ionomer cements: a micro-computed tomography study. Restorative Dentistry & Endodontics, 2021, 46, e57.	1.5	6
9	Micro-CT evaluation of root canal preparation with rotary instrumentation on prototyped primary incisors. Brazilian Oral Research, 2021, 35, e132.	1.4	4
10	In vitro effect of experimental nanocomposites solutions on the prevention of dental caries around orthodontic brackets. Brazilian Dental Journal, 2021, 32, 62-73.	1.1	3
11	Root canal obturation materials and filling techniques for primary teeth: In vitro evaluation in polymerâ€based prototyped incisors. International Journal of Paediatric Dentistry, 2020, 30, 381-389.	1.8	14
12	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. British Dental Journal, 2020, 229, 450-458.	0.6	23
13	Minimally invasive judgement calls: managing compromised first permanent molars in children. British Dental Journal, 2020, 229, 459-465.	0.6	12
14	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. Clinical Oral Investigations, 2020, 24, 2959-2972.	3.0	11
15	Does Calcium Hydroxide Reduce Endotoxins in Infected Root Canals? Systematic Review and Meta-analysis. Journal of Endodontics, 2020, 46, 1545-1558.	3.1	8
16	Fabrication and characterization of remineralizing dental composites containing hydroxyapatite nanoparticles. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 109, 103817.	3.1	27
17	Characterization and effect of nanocomplexed fluoride solutions on the inhibition of enamel demineralization created by a multispecies cariogenic biofilm model. Clinical Oral Investigations, 2020, 24, 3947-3959.	3.0	2
18	Cyclodextrin and TiF4 Nanocomplex on Enamel Demineralization. Brazilian Dental Journal, 2020, 31, 423-430.	1.1	1

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19	Remineralizing potential of dental composites containing silanized silica-hydroxyapatite (Si-HAp) nanoporous particles charged with sodium fluoride (NaF). Journal of Dentistry, 2019, 90, 103211.	4.1	15
20	Probiotic fermented sheepâ€™s milk containing Lactobacillus casei 01: Effects on enamel mineral loss and Streptococcus counts in a dental biofilm model. Journal of Functional Foods, 2019, 54, 241-248.	3.4	18
21	Chemical and Physical Modification of Carbonated Energy Beverages to Reduce the Damage Over Teeth and Restorative Materials. , 2019, , 205-227.		1
22	Experimental composites containing quaternary ammonium methacrylates reduce demineralization at enamel-restoration margins after cariogenic challenge. Dental Materials, 2019, 35, e175-e183.	3.5	11
23	Effects of Ions-Releasing Restorative Materials on the Dentine Bonding Longevity of Modern Universal Adhesives after Load-Cycle and Prolonged Artificial Saliva Aging. Materials, 2019, 12, 722.	2.9	22
24	Is the caregiversâ€™ oral health related to dental caries in children or adolescents? A systematic review. Clinical Oral Investigations, 2019, 23, 3843-3854.	3.0	9
25	Mineral density changes in bovine carious dentin after treatment with bioactive dental cements: a comparative micro-CT study. Clinical Oral Investigations, 2019, 23, 1865-1870.	3.0	23
26	Characterization of low-shrinkage dental composites containing methacrylethyl-polyhedral oligomeric silsesquioxane (ME-POSS). Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 566-574.	3.1	21
27	Effect of TiF4 varnish on microbiological changes and caries prevention: in situ and in vivo models. Clinical Oral Investigations, 2019, 23, 2583-2591.	3.0	14
28	Reciprocating instrumentation in a maxillary primary central incisor: A protocol tested in a 3D printed prototype. International Journal of Paediatric Dentistry, 2019, 29, 50-57.	1.8	9
29	Mineral density in carious dentine after treatment with calcium silicates and polyacrylic acidâ€based cements. International Endodontic Journal, 2018, 51, 1292-1300.	5.0	11
30	A dual energy micro-CT methodology for visualization and quantification of biofilm formation and dentin demineralization. Archives of Oral Biology, 2018, 85, 10-15.	1.8	12
31	Effects of increased apical enlargement on the amount of unprepared areas and coronal dentine removal: a microâ€computed tomography study. International Endodontic Journal, 2018, 51, 684-690.	5.0	49
32	Efficacy of sealing occlusal caries with a flowable composite in primary molars: A 2-year randomized controlled clinical trial. Journal of Dentistry, 2018, 74, 49-55.	4.1	15
33	Accuracy of visual and image-based ICDAS criteria compared with a micro-CT gold standard for caries detection on occlusal surfaces. Brazilian Oral Research, 2018, 32, e60.	1.4	10
34	Dissolution, dislocation and dimensional changes of endodontic sealers after a solubility challenge: a microâ€<scp>CT</scp> approach. International Endodontic Journal, 2017, 50, 407-414.	5.0	59
35	Do smearâ€layer removal agents affect the pushâ€out bond strength of calcium silicateâ€based endodontic sealers?. International Endodontic Journal, 2017, 50, 612-619.	5.0	51
36	Impact of needle insertion depth on the removal of hardâ€tissue debris. International Endodontic Journal, 2017, 50, 560-568.	5.0	41

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37	Dental caries in the fossil record: a window to the evolution of dietary plasticity in an extinct bear. Scientific Reports, 2017, 7, 17813.	3.3	9
38	Quantitative transportation assessment in curved canals prepared with an off-centered rectangular design system. Brazilian Oral Research, 2016, 30, e43.	1.4	12
39	On the Causality Between Dentinal Defects and Root Canal Preparation: A Micro-CT Assessment. Brazilian Dental Journal, 2016, 27, 664-669.	1.1	36
40	Comparison of canal transportation in simulated curved canals prepared with ProTaper Universal and ProTaper Gold systems. Restorative Dentistry & Endodontics, 2016, 41, 1.	1.5	29
41	Cytotoxic effect of the debris apically extruded during three different retreatment procedures. Journal of Oral Science, 2016, 58, 211-217.	1.7	5
42	Is the morphology and activity of the occlusal carious lesion related to the lesion progression stage?. Archives of Oral Biology, 2016, 72, 33-38.	1.8	6
43	Influence of electronic apex locators and a guttaâ€percha heating device on implanted cardiac devices: an inÂvivo study. International Endodontic Journal, 2016, 49, 526-532.	5.0	4
44	Three-dimensional Quantitative Porosity Characterization of Syringe- versus Hand-mixed Set Epoxy Resin Root Canal Sealer. Brazilian Dental Journal, 2015, 26, 607-611.	1.1	12
45	Micro-CT Evaluation of Non-instrumented Canal Areas with Different Enlargements Performed by NiTi Systems. Brazilian Dental Journal, 2015, 26, 624-629.	1.1	70
46	Postoperative Pain after Foraminal Instrumentation with a Reciprocating System and Different Irrigating Solutions. Brazilian Dental Journal, 2015, 26, 216-221.	1.1	13
47	Mineralogy evaluation and segmentation using dualâ€energy microtomography. X-Ray Spectrometry, 2015, 44, 99-104.	1.4	10
48	Accumulated Hard Tissue Debris Produced during Reciprocating and Rotary Nickel-Titanium Canal Preparation. Journal of Endodontics, 2015, 41, 676-681.	3.1	81
49	Quantitative Transportation Assessment in Simulated Curved Canals Prepared with an Adaptive Movement System. Journal of Endodontics, 2015, 41, 1125-1129.	3.1	34
50	Cariesâ€removal effectiveness of a papainâ€based chemoâ€mechanical agent: A quantitative microâ€CT study. Scanning, 2015, 37, 258-264.	1.5	5
51	Microâ€“computed Tomographic Assessment on the Effect ofÂProTaper Next and Twisted File Adaptive Systems onÂDentinal Cracks. Journal of Endodontics, 2015, 41, 1116-1119.	3.1	109
52	Exploiting the potential of free software to evaluate root canal biomechanical preparation outcomes through microâ€<scp>CT</scp> images. International Endodontic Journal, 2015, 48, 1033-1042.	5.0	45
53	Stress and strain distribution in demineralized enamel: A microâ€CT based finite element study. Microscopy Research and Technique, 2015, 78, 865-872.	2.2	7
54	Apically extruded dentin debris by reciprocating single-file and multi-file rotary system. Clinical Oral Investigations, 2015, 19, 357-361.	3.0	105

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55	Evaluation of foraminal transportation during foraminal enlargement with different instrumentation systems. Brazilian Journal of Oral Sciences, 2014, 13, 246-250.	0.1	3
56	Push-out bond strength of a self-adhesive resin cement used as endodontic sealer. Restorative Dentistry & Endodontics, 2014, 39, 282.	1.5	8
57	Reciprocating Versus Rotary Systems for Root Filling Removal: Assessment of the Apically Extruded Material. Journal of Endodontics, 2014, 40, 2077-2080.	3.1	86
58	Lack of Causal Relationship between Dentinal Microcracks and Root Canal Preparation with Reciprocation Systems. Journal of Endodontics, 2014, 40, 1447-1450.	3.1	153
59	Assessment of Apically Extruded Debris Produced by the Self-Adjusting File System. Journal of Endodontics, 2014, 40, 526-529.	3.1	44
60	Assessing Accumulated Hard-tissue Debris Using Microâ€“computed Tomography and Free Software for Image Processing and Analysis. Journal of Endodontics, 2014, 40, 271-276.	3.1	47
61	3D-microleakage assessment of adhesive interfaces: Exploratory findings by Î¼CT. Dental Materials, 2014, 30, 799-807.	3.5	31
62	Assessment of coronal leakage of a new temporary light-curing filling material in endodontically treated teeth. Indian Journal of Dental Research, 2014, 25, 321.	0.4	4
63	The ability of the Reciproc R25 instrument to reach the full root canal working length without a glide path. International Endodontic Journal, 2013, 46, 993-998.	5.0	76
64	Tridimensional quantitative porosity characterization of three set calcium silicateâ€based repair cements for endodontic use. Microscopy Research and Technique, 2013, 76, 1093-1098.	2.2	44
65	InfluÃªncia do Grau de Umidade da Dentina DecÃdua na InfiltraÃ§Ã£o Marginal da Interface Formada com TrÃªs Sistemas Adesivos. Pesquisa Brasileira Em Odontopediatria E Clinica Integrada, 2013, 13, 45-52.	0.9	0
66	Caries-removal effectiveness and minimal-invasiveness potential of caries-excavation techniques: A micro-CT investigation. Journal of Dentistry, 2011, 39, 154-162.	4.1	80
67	Does DIAGNOdent provide a reliable caries-removal endpoint?. Journal of Dentistry, 2011, 39, 351-360.	4.1	24
68	Current aspects on bonding effectiveness and stability in adhesive dentistry. Australian Dental Journal, 2011, 56, 31-44.	1.5	279
69	Effect of dentin location and long-term water storage on bonding effectiveness of dentin adhesives. Dental Materials Journal, 2011, 30, 7-13.	1.8	33
70	Playing wind instruments as a potential aetiologic cofactor in external cervical resorption: two case reports. International Endodontic Journal, 2011, 44, 268-282.	5.0	26
71	Micro-tensile bond strength and interfacial characterization of an adhesive bonded to dentin prepared by contemporary caries-excavation techniques. Dental Materials, 2011, 27, 552-562.	3.5	30
72	Nanoleakage Distribution at Adhesive-Dentin Interfaces in 3D. Journal of Dental Research, 2011, 90, 1019-1025.	5.2	18

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73	Current concepts and techniques for caries excavation and adhesion to residual dentin. Journal of Adhesive Dentistry, 2011, 13, 7-22.	0.5	102
74	Relationship between bond-strength tests and clinical outcomes. Dental Materials, 2010, 26, e100-e121.	3.5	597
75	Micro-CT based quantitative evaluation of caries excavation. Dental Materials, 2010, 26, 579-588.	3.5	68
76	Towards a better understanding of the adhesion mechanism of resin-modified glass-ionomers by bonding to differently prepared dentin. Journal of Dentistry, 2010, 38, 921-929.	4.1	62
77	Influence of joint component mechanical properties and adhesive layer thickness on stress distribution in micro-tensile bond strength specimens. Dental Materials, 2009, 25, 4-12.	3.5	38
78	Ultrastructural characterization of toothâ€“biomaterial interfaces prepared with broad and focused ion beams. Dental Materials, 2009, 25, 1325-1337.	3.5	21
79	Bonding effectiveness and interfacial characterization of a nano-filled resin-modified glass-ionomer. Dental Materials, 2009, 25, 1347-1357.	3.5	75
80	Influence of notch geometry and interface on stress concentration and distribution in micro-tensile bond strength specimens. Journal of Dentistry, 2008, 36, 808-815.	4.1	26
81	Microscopic investigation of artificially demineralized surface enamel exposed to controlled intraâ€oral periods. Australian Dental Journal, 2003, 48, 248-254.	1.5	3
82	Biological restorations as an alternative treatment for primary posterior teeth. Journal of Clinical Pediatric Dentistry, 2003, 27, 305-310.	1.0	10
83	Transmission Polarized Light Microscopy of Carious Human Dental Enamel. Microscopy and Microanalysis, 2003, 9, 1534-1535.	0.4	2
84	Microstructural analysis of demineralized primary enamel after in vitro toothbrushing. Pesquisa Odontologica Brasileira = Brazilian Oral Research, 2002, 16, 137-143.	0.3	8
85	Bilateral connation of permanent mandibular incisors: a case report. International Journal of Paediatric Dentistry, 2002, 12, 61-65.	1.8	32
86	Levels of infection and colonization of some oral bacteria after use of naf, chlorhexidine and a combined chlorhexidine with naf mouthrinses. Brazilian Journal of Microbiology, 2001, 32, 158-161.	2.0	4
87	Root canal segmentation in cone-beam computed tomography. Brazilian Journal of Oral Sciences, 0, 18, e191627.	0.1	5
88	Reliability of Two Methods of Evaluation of the Apical Limit of Obturation of Root Canals of Primary Teeth: A Pilot Study. Pesquisa Brasileira Em Odontopediatria E Clinica Integrada, 0, 20, .	0.9	0
89	Sealing Carious Fissures with Resin Infiltrant in Association with a Flowable Composite Reduces Immediate Microleakage?. Pesquisa Brasileira Em Odontopediatria E Clinica Integrada, 0, 20, .	0.9	2
90	Should compromised first permanent molar teeth in children be routinely removed? A health economics analysis. Community Dentistry and Oral Epidemiology, 0, , .	1.9	0