

# Ana Arias

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,639  
citations

257101

24  
h-index

315357

38  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive models of pain following root canal treatment: a prospective clinical study. <i>International Endodontic Journal</i> , 2013, 46, 784-793.	2.3	133
2	A Micro-CT-computed Tomographic Assessment of Root Canal Preparation with a Novel Instrument, TRUShape, in Mesial Roots of Mandibular Molars. <i>Journal of Endodontics</i> , 2015, 41, 1545-1550.	1.4	106
3	Relationship between Postendodontic Pain, Tooth Diagnostic Factors, and Apical Patency. <i>Journal of Endodontics</i> , 2009, 35, 189-192.	1.4	91
4	Cyclic Fatigue Resistance of K3, K3XF, and Twisted File Nickel-Titanium Files under Continuous Rotation or Reciprocating Motion. <i>Journal of Endodontics</i> , 2013, 39, 1585-1588.	1.4	78
5	Comparison of 2 Canal Preparation Techniques in the Induction of Microcracks: A Pilot Study with Cadaver Mandibles. <i>Journal of Endodontics</i> , 2014, 40, 982-985.	1.4	72
6	Differences in Cyclic Fatigue Resistance at Apical and Coronal Levels of Reciproc and WaveOne New Files. <i>Journal of Endodontics</i> , 2012, 38, 1244-1248.	1.4	61
7	Effect of Maintaining Apical Patency on Irrigant Penetration into the Apical Two Millimeters of Large Root Canals: An In Vivo Study. <i>Journal of Endodontics</i> , 2012, 38, 1340-1343.	1.4	55
8	Dynamic Movement of Intracanal Gas Bubbles during Cleaning and Shaping Procedures: The Effect of Maintaining Apical Patency on Their Presence in the Middle and Cervical Thirds of Human Root Canals—An In Vivo Study. <i>Journal of Endodontics</i> , 2012, 38, 200-203.	1.4	53
9	Postoperative Pain after Endodontic Retreatment Using Rotary or Reciprocating Instruments: A Randomized Clinical Trial. <i>Journal of Endodontics</i> , 2017, 43, 1084-1088.	1.4	53
10	Effect of Maintaining Apical Patency on Irrigant Penetration into the Apical Third of Root Canals When Using Passive Ultrasonic Irrigation: An In Vivo Study. <i>Journal of Endodontics</i> , 2011, 37, 1276-1278.	1.4	51
11	Differences in Cyclic Fatigue Resistance between ProTaper Next and ProTaper Universal Instruments at Different Levels. <i>Journal of Endodontics</i> , 2014, 40, 1477-1481.	1.4	51
12	Effect of Apical Size and Taper on Volume of Irrigant Delivered at Working Length with Apical Negative Pressure at Different Root Curvatures. <i>Journal of Endodontics</i> , 2013, 39, 119-124.	1.4	49
13	Intracanal Cryotherapy Reduces Postoperative Pain in Teeth with Symptomatic Apical Periodontitis: A Randomized Multicenter Clinical Trial. <i>Journal of Endodontics</i> , 2018, 44, 4-8.	1.4	45
14	Influence of clinical usage of <sc>GT</sc> and <sc>GTX</sc> files on cyclic fatigue resistance. <i>International Endodontic Journal</i> , 2014, 47, 257-263.	2.3	41
15	In Vitro Assessment of Torque and Force Generated by Novel ProTaper Next Instruments during Simulated Canal Preparation. <i>Journal of Endodontics</i> , 2013, 39, 1615-1619.	1.4	37
16	Effect of Intracanal Cryotherapy on Reducing Root Surface Temperature. <i>Journal of Endodontics</i> , 2015, 41, 1884-1887.	1.4	34
17	Prospective case controlled clinical study of post-endodontic pain after rotary root canal preparation performed by a single operator. <i>Journal of Dentistry</i> , 2015, 43, 389-395.	1.7	33
18	Mechanical Properties of a Novel Nickel-titanium Root Canal Instrument: Stationary and Dynamic Tests. <i>Journal of Endodontics</i> , 2020, 46, 994-1001.	1.4	32

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19	Correlation between Temperature-dependent Fatigue Resistance and Differential Scanning Calorimetry Analysis for 2 Contemporary Rotary Instruments. <i>Journal of Endodontics</i> , 2018, 44, 630-634.	1.4	30
20	Effect of canal preparation with TRUShape and Vortex rotary instruments on three-dimensional geometry of oval root canals. <i>Australian Endodontic Journal</i> , 2018, 44, 32-39.	0.6	30
21	Validated finite element analyses of WaveOne Endodontic Instruments: a comparison between Mâ€Wire and NiTi alloys. <i>International Endodontic Journal</i> , 2015, 48, 441-450.	2.3	29
22	Torque and Force Induced by ProTaper Universal and ProTaper Next during Shaping of Large and Small Root Canals in Extracted Teeth. <i>Journal of Endodontics</i> , 2014, 40, 973-976.	1.4	28
23	Educational Outcomes of Smallâ€Group Discussion Versus Traditional Lecture Format in Dental Studentsâ€™ Learning and Skills Acquisition. <i>Journal of Dental Education</i> , 2016, 80, 459-465.	0.7	28
24	Present status and future directions: Canal shaping. <i>International Endodontic Journal</i> , 2022, 55, 637-655.	2.3	28
25	Positive and negative pressure irrigation in oval root canals with apical ramifications: a computational fluid dynamics evaluation in microâ€CT scanned real teeth. <i>International Endodontic Journal</i> , 2020, 53, 671-679.	2.3	26
26	Prevalence of Apical Bone Defects and Evaluation of Associated Factors Detected with Cone-beam Computed Tomographic Images. <i>Journal of Endodontics</i> , 2015, 41, 1043-1047.	1.4	24
27	Variable impact by ambient temperature on fatigue resistance of heat-treated nickel titanium instruments. <i>Clinical Oral Investigations</i> , 2019, 23, 1101-1108.	1.4	24
28	Lateral and axial cutting efficiency of instruments manufactured with conventional nickelâ€titanium and novel gold metallurgy. <i>International Endodontic Journal</i> , 2018, 51, 577-583.	2.3	24
29	Relationship between unintentional canal overfilling and the longâ€term outcome of primary root canal treatments and nonsurgical retreatments: a retrospective radiographic assessment. <i>International Endodontic Journal</i> , 2020, 53, 19-26.	2.3	23
30	Differences in torsional performance of single- and multiple-instrument rotary systems for glide path preparation. <i>Odontology / the Society of the Nippon Dental University</i> , 2016, 104, 192-198.	0.9	22
31	Differences in disinfection protocols for root canal treatments between general dentists and endodontists. <i>Journal of the American Dental Association</i> , 2015, 146, 536-543.	0.7	21
32	Effect of root canal treatment procedures with a novel rotary nickel titanium instrument (TRUShape) on stress in mandibular molars: a comparative finite element analysis. <i>Odontology / the Society of the Nippon Dental University</i> , 2017, 105, 54-61.	0.9	21
33	Effects of two calcium silicate cements on cell viability, angiogenic growth factor release and related gene expression in stem cells from the apical papilla. <i>International Endodontic Journal</i> , 2016, 49, 1132-1140.	2.3	20
34	Resistance to cyclic fatigue of reciprocating instruments determined at body temperature and phase transformation analysis. <i>Australian Endodontic Journal</i> , 2019, 45, 400-406.	0.6	19
35	Detecting Dentinal Microcracks Using Different Preparation Techniques: An In Situ Study with Cadaver Mandibles. <i>Journal of Endodontics</i> , 2017, 43, 2070-2073.	1.4	15
36	Impact of a modified motion on the fatigue life of NiTi reciprocating instruments: a Weibull analysis. <i>Clinical Oral Investigations</i> , 2019, 23, 3095-3102.	1.4	15

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37	Current Trends in Use and Reuse of Nickel-Titanium Engine-driven Instruments: A Survey of Endodontists in the United States. <i>Journal of Endodontics</i> , 2020, 46, 391-396.	1.4	15
38	Postoperative pain after root canal filling with different endodontic sealers: a randomized clinical trial. <i>Brazilian Oral Research</i> , 2020, 34, e069.	0.6	15
39	Suitability of different tooth replicas for endodontic training: perceptions and detection of common errors in the performance of postgraduate students. <i>International Endodontic Journal</i> , 2020, 53, 562-572.	2.3	13
40	Torsional Performance of ProTaper Gold Rotary Instruments during Shaping of Small Root Canals after 2 Different Glide Path Preparations. <i>Journal of Endodontics</i> , 2017, 43, 447-451.	1.4	12
41	A survey of current trends in root canal treatment: access cavity design and cleaning and shaping practices. <i>Australian Endodontic Journal</i> , 2021, 47, 27-33.	0.6	10
42	Outcome of endodontic treatment – the elephant in the room. <i>International Endodontic Journal</i> , 2020, 53, 291-297.	2.3	10
43	New curricular design in biostatistics to prepare residents for an evidence-based practice and lifelong learning education: a pilot approach. <i>International Endodontic Journal</i> , 2017, 50, 999-1010.	2.3	8
44	Educational Outcomes of Small-Group Discussion Versus Traditional Lecture Format in Dental Students' Learning and Skills Acquisition. <i>Journal of Dental Education</i> , 2016, 80, 459-65.	0.7	8
45	Effect of gamma-ray sterilization on phase transformation behavior and fatigue resistance of contemporary nickel-titanium instruments. <i>Clinical Oral Investigations</i> , 2020, 24, 3113-3120.	1.4	7
46	Analysis of the smear layer generated by different activation systems: an in vitro study. <i>Clinical Oral Investigations</i> , 2021, 25, 211-218.	1.4	7
47	Morphological variations of the mandibular canal in digital panoramic radiographs: a retrospective study in a Chilean population. <i>Folia Morphologica</i> , 2019, 78, 163-170.	0.4	7
48	Testing Cyclic Fatigue Resistance of Nickel Titanium Rotary Endodontic Instruments: A Validation Study for a Minimum Quality Criterion in a Standardized Environment. <i>Frontiers in Dental Medicine</i> , 2021, 2, .	0.5	6
49	<i>In vitro</i> apical pressure created by 2 irrigation needles and a multisonic system in mandibular molars. <i>Restorative Dentistry &amp; Endodontics</i> , 2021, 46, e14.	0.6	5
50	Evaluation of Dental Students's Skills Acquisition in Endodontics Using a 3D Printed Tooth Model. <i>European Endodontic Journal</i> , 2021, 6, 290-294.	0.4	4
51	Body temperature fatigue behaviour of reciprocating and rotary glide path instruments in sodium hypochlorite solutions alone or combined with etidronate. <i>Australian Endodontic Journal</i> , 2021, 47, 450-456.	0.6	3
52	Effectiveness of root canal instrumentation for the treatment of apical periodontitis: A systematic review and meta-analysis. <i>International Endodontic Journal</i> , 2023, 56, 395-421.	2.3	3
53	Shaping, Disinfection, and Obturation for Molars. , 2017, , 133-167.		2
54	Influence of Tooth Factors and Procedural Errors on the Incidence and Severity of Post-Endodontic Pain: A Prospective Clinical Study. <i>Dentistry Journal</i> , 2020, 8, 73.	0.9	1

#	ARTICLE	IF	CITATIONS
55	Influence of operator expertise on glide path and root canal preparation of curved root canals with rotary and reciprocating motions. Australian Endodontic Journal, 2021, , .	0.6	1