

# Carmen Llena

## List of Publications by Year in descending order

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89  
papers

1,926  
citations

257101

24  
h-index

329751

37  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatibility of New Pulp-capping Materials NeoMTA Plus, MTA Repair HP, and Biodentine on Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2018, 44, 126-132.	1.4	100
2	Review of ultrasonic irrigation in endodontics: increasing action of irrigating solutions. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2012, 17, e512-e516.	0.7	83
3	Cytotoxicity and bioactivity of various pulpotomy materials on stem cells from human exfoliated primary teeth. <i>International Endodontic Journal</i> , 2017, 50, e19-e30.	2.3	80
4	Biocompatibility of three new calcium silicate-based endodontic sealers on human periodontal ligament stem cells. <i>International Endodontic Journal</i> , 2017, 50, 875-884.	2.3	72
5	Methodological considerations in the determination of working length. <i>International Endodontic Journal</i> , 2001, 34, 371-376.	2.3	66
6	Comparative analysis of the biological effects of the endodontic bioactive cements MTA-Angelus, MTA Repair HP and NeoMTA Plus on human dental pulp stem cells. <i>International Endodontic Journal</i> , 2017, 50, e63-e72.	2.3	66
7	Cytocompatibility, bioactivity potential, and ion release of three premixed calcium silicate-based sealers. <i>Clinical Oral Investigations</i> , 2020, 24, 1749-1759.	1.4	54
8	Dietary Habits in a Child Population in Relation to Caries Experience. <i>Caries Research</i> , 2008, 42, 387-393.	0.9	51
9	Comparative Cytocompatibility and Mineralization Potential of Bio-C Sealer and TotalFill BC Sealer. <i>Materials</i> , 2019, 12, 3087.	1.3	51
10	Color stability of nanohybrid resin-based composites, ormocers and compomers. <i>Clinical Oral Investigations</i> , 2017, 21, 1071-1077.	1.4	48
11	Bioactivity of Bioceramic Materials Used in the Dentin-Pulp Complex Therapy: A Systematic Review. <i>Materials</i> , 2019, 12, 1015.	1.3	48
12	Implementation of augmented reality in operative dentistry learning. <i>European Journal of Dental Education</i> , 2018, 22, e122-e130.	1.0	46
13	Vertical root fracture in endodontically treated teeth: A review of 25 cases. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2001, 92, 553-555.	1.6	44
14	In vitro comparison of root-canal measurements with conventional and digital radiology. <i>International Endodontic Journal</i> , 2002, 35, 542-550.	2.3	43
15	Reliability of Two Color Selection Devices in Matching and Measuring Tooth Color. <i>Journal of Contemporary Dental Practice</i> , 2011, 12, 19-23.	0.2	41
16	Cone-beam computed tomography analysis of root and canal morphology of mandibular premolars in a Spanish population. <i>Imaging Science in Dentistry</i> , 2014, 44, 221.	0.6	39
17	Chemical composition and bioactivity potential of the new Endosequence BC Sealer formulation HiFlow. <i>International Endodontic Journal</i> , 2020, 53, 1216-1228.	2.3	36
18	Influence of Operator's Experience on Root Canal Shaping Ability with a Rotary Nickel-Titanium Single-File Reciprocating Motion System. <i>Journal of Endodontics</i> , 2014, 40, 547-550.	1.4	34

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19	A pilot study to assess oral colonization and pH buffering by the probiotic <i>Streptococcus dentisani</i> under different dosing regimes. <i>Odontology / the Society of the Nippon Dental University</i> , 2020, 108, 180-187.	0.9	34
20	Fibre post behaviour prediction factors. A review of the literature. <i>Journal of Clinical and Experimental Dentistry</i> , 2013, 5, e150-3.	0.5	32
21	Development of an <i>in vitro</i> system to study oral biofilms in real time through impedance technology: validation and potential applications. <i>Journal of Oral Microbiology</i> , 2019, 11, 1609838.	1.2	32
22	Effects of in-office bleaching on human enamel and dentin. Morphological and mineral changes. <i>Annals of Anatomy</i> , 2018, 217, 97-102.	1.0	29
23	Topic Application of the Probiotic <i>Streptococcus dentisani</i> Improves Clinical and Microbiological Parameters Associated With Oral Health. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 465.	1.8	28
24	Microstructural composition, ion release, and bioactive potential of new premixed calcium silicate-based endodontic sealers indicated for warm vertical compaction technique. <i>Clinical Oral Investigations</i> , 2021, 25, 1451-1462.	1.4	28
25	Comparative Surface Morphology, Chemical Composition, and Cytocompatibility of Bio-C Repair, Biodentine, and ProRoot MTA on hDPCs. <i>Materials</i> , 2020, 13, 2189.	1.3	26
26	Viability and Stimulation of Human Stem Cells from the Apical Papilla (hSCAPs) Induced by Silicate-Based Materials for Their Potential Use in Regenerative Endodontics: A Systematic Review. <i>Materials</i> , 2020, 13, 974.	1.3	26
27	Comparative Biological Properties and Mineralization Potential of 3 Endodontic Materials for Vital Pulp Therapy: Theracal PT, Theracal LC, and Biodentine on Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2021, 47, 1896-1906.	1.4	26
28	Biological Effects of New Hydraulic Materials on Human Periodontal Ligament Stem Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 1216.	1.0	24
29	Thermo-setting glass ionomer cements promote variable biological responses of human dental pulp stem cells. <i>Dental Materials</i> , 2018, 34, 932-943.	1.6	23
30	Risk factors associated with new caries lesions in permanent first molars in children: a 5-year historical cohort follow-up study. <i>Clinical Oral Investigations</i> , 2018, 22, 1579-1586.	1.4	23
31	Antimicrobial efficacy of the supernatant of <i>Streptococcus dentisani</i> against microorganisms implicated in root canal infections. <i>Journal of Oral Science</i> , 2019, 61, 184-194.	0.7	22
32	Comparison of diffusion, cytotoxicity and tissue inflammatory reactions of four commercial bleaching products against human dental pulp stem cells. <i>Scientific Reports</i> , 2019, 9, 7743.	1.6	21
33	Effect of Hydrogen and Carbamide Peroxide in Bleaching, Enamel Morphology, and Mineral Composition: In vitro Study. <i>Journal of Contemporary Dental Practice</i> , 2017, 18, 576-582.	0.2	21
34	The Use of Atomic Force Microscopy in Determining the Stiffness and Adhesion Force of Human Dentin After Exposure to Bleaching Agents. <i>Journal of Endodontics</i> , 2009, 35, 1384-1386.	1.4	20
35	Smear layer removal in canals shaped with reciprocating rotary systems. <i>Journal of Clinical and Experimental Dentistry</i> , 2013, 5, e227-30.	0.5	19
36	Effectiveness of passive ultrasonic irrigation in improving elimination of smear layer and opening dentinal tubules. <i>Journal of Clinical and Experimental Dentistry</i> , 2014, 6, e47-52.	0.5	19

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37	Anticariogenicity of casein phosphopeptide-amorphous calcium phosphate: a review of the literature. <i>Journal of Contemporary Dental Practice</i> , 2009, 10, 1-9.	0.2	19
38	Basic oral health goals for Spain 2015/2020. <i>International Dental Journal</i> , 2009, 59, 78-82; quiz 62.	1.0	19
39	Oval Fiber Posts Do Not Improve Adaptation to Oval-shaped Canal Walls. <i>Journal of Endodontics</i> , 2011, 37, 1386-1389.	1.4	18
40	The application of casein phosphopeptide and amorphous calcium phosphate with fluoride (CPP-ACPF) for restoring mineral loss after dental bleaching with hydrogen or carbamide peroxide: An in vitro study. <i>Annals of Anatomy</i> , 2019, 225, 48-53.	1.0	18
41	CPP-ACP and CPP-ACFP versus fluoride varnish in remineralisation of early caries lesions. A prospective study. <i>European Journal of Paediatric Dentistry</i> , 2015, 16, 181-6.	0.4	18
42	Oral Health-Related Quality of Life in Adolescents as Measured with the Child-OIDP Questionnaire: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12995.	1.2	18
43	Risk Factors Associated with Carious Lesions in Permanent First Molars in Children: A Seven-Year Retrospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1421.	1.2	17
44	Hydrogen Peroxide Diffusion through Enamel and Dentin. <i>Materials</i> , 2018, 11, 1694.	1.3	16
45	Bleaching efficacy of at home 16% carbamide peroxide. A long-term clinical follow-up study. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 32, 12-18.	1.8	16
46	Dental stem cell signaling pathway activation in response to hydraulic calcium silicate-based endodontic cements: A systematic review of in vitro studies. <i>Dental Materials</i> , 2021, 37, e256-e268.	1.6	16
47	Analysis of the educational climate™ in Spanish public schools of dentistry using the Dundee Ready Education Environment Measure: a multicenter study. <i>European Journal of Dental Education</i> , 2013, 17, 159-168.	1.0	15
48	Oral Health Knowledge and Related Factors among Pregnant Women Attending to a Primary Care Center in Spain. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 5049.	1.2	14
49	Could the Calcium Silicate-Based Sealer Presentation Form Influence Dentinal Sealing? An In Vitro Confocal Laser Study on Tubular Penetration. <i>Materials</i> , 2021, 14, 659.	1.3	14
50	Microstructure alterations of rotary files after multiple simulated operative procedures. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2010, 15, e658-e662.	0.7	13
51	Shaping ability of nickel-titanium rotary instruments in simulated S-shaped root canals. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 109, e136-e144.	1.6	13
52	Toothguide Training Box for Dental Color Choice Training. <i>Journal of Dental Education</i> , 2011, 75, 360-364.	0.7	12
53	Clinical efficacy of a bleaching enzyme-based toothpaste. A double-blind controlled clinical trial. <i>Journal of Dentistry</i> , 2016, 44, 8-12.	1.7	12
54	Cytocompatibility and Bioactive Properties of Hydraulic Calcium Silicate-Based Cements (HCSCs) on Stem Cells from Human Exfoliated Deciduous Teeth (SHEDs): A Systematic Review of In Vitro Studies. <i>Journal of Clinical Medicine</i> , 2020, 9, 3872.	1.0	12

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55	Outcome of Root Canal Treatments Provided by Endodontic Postgraduate Students. A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1994.	1.0	12
56	Scientific production on silicate-based endodontic materials: evolution and current state: a bibliometric analysis. <i>Clinical Oral Investigations</i> , 2022, 26, 5611-5624.	1.4	12
57	In Vitro Effect of Putty Calcium Silicate Materials on Human Periodontal Ligament Stem Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 325.	1.3	11
58	Pulse Oximetry as a Diagnostic Tool to Determine Pulp Vitality: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2747.	1.3	11
59	Sealing capacity of a photochromatic flowable composite as protective base in nonvital dental bleaching. <i>International Endodontic Journal</i> , 2006, 39, 185-189.	2.3	10
60	Human Dental Pulp Stem Cells Exhibit Different Biological Behaviours in Response to Commercial Bleaching Products. <i>Materials</i> , 2018, 11, 1098.	1.3	10
61	Evaluation of Clinical, Biochemical and Microbiological Markers Related to Dental Caries. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6049.	1.2	10
62	Psychometric validation of the Spanish version of the Dundee Ready Education Measure applied to dental students. <i>European Journal of Dental Education</i> , 2014, 18, 162-169.	1.0	9
63	Association between the number of early carious lesions and diet in children with a high prevalence of caries. <i>European Journal of Paediatric Dentistry</i> , 2015, 16, 7-12.	0.4	9
64	The effect of passive ultrasonic activation of 2% chlorhexidine or 3% sodium hypochlorite in canal wall cleaning. <i>Journal of Clinical and Experimental Dentistry</i> , 2015, 7, e69-e73.	0.5	8
65	Canal shaping with a reciprocating system is easy to learn. <i>International Endodontic Journal</i> , 2019, 52, 1244-1249.	2.3	8
66	Biomaterialization potential and biological properties of a new tantalum oxide (Ta <sub>2</sub> O <sub>5</sub> ) containing calcium silicate cement. <i>Clinical Oral Investigations</i> , 2022, 26, 1427-1441.	1.4	8
67	Student evaluation of clickers in a dental pathology course. <i>Journal of Clinical and Experimental Dentistry</i> , 2015, 7, e369-e373.	0.5	7
68	In vitro evaluation of the efficacy of two bleaching procedures. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2011, 16, e845-e851.	0.7	6
69	Nanostructural changes in dentine caused by endodontic irrigants. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2013, 18, e733-e736.	0.7	6
70	Fibronectin levels in stimulated whole-saliva and their relationship with cariogenic oral bacteria. <i>International Dental Journal</i> , 2000, 50, 57-59.	1.0	5
71	Effect of three different irrigation solutions applied by passive ultrasonic irrigation. <i>Restorative Dentistry &amp; Endodontics</i> , 2015, 40, 143.	0.6	5
72	Toothguide Training Box for dental color choice training. <i>Journal of Dental Education</i> , 2011, 75, 360-4.	0.7	5

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73	MI Paste Plus and PreviDent Fluoride Varnish Appear No More Effective Than Normal Home Care for Improving the Appearance of White Spot Lesions. <i>Journal of Evidence-based Dental Practice</i> , 2013, 13, 114-116.	0.7	4
74	Comparing student and staff perceptions of the "Educational Climate" in Spanish Dental Schools using the Dundee Ready Education Environment Measure. <i>European Journal of Dental Education</i> , 2018, 22, e131-e141.	1.0	4
75	Induced post-traumatic apexification: 20 year follow-up and morphological study after new fracture. <i>Annals of Anatomy</i> , 2018, 216, 120-124.	1.0	3
76	Dental caries experience and salivary <i>Streptococcus mutans</i> , <i>Lactobacilli</i> scores, salivary flow rate and salivary buffering capacity among 6 year old Indian school children.. <i>Journal of Clinical and Experimental Dentistry</i> , 2011, , e412-e417.	0.5	3
77	Anticalculus efficacy of a new dentifrice. <i>Quintessence International</i> , 2009, 40, 497-501.	0.3	3
78	Evaluation of morphological changes produced by orifice opener systems using computerized tomography (CT). <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2009, 14, e674-e679.	0.7	2
79	Thermographic analysis of dental vascularization using thermal stimulation. <i>European Endodontic Journal</i> , 2018, 3, 73-76.	0.4	2
80	Follow-up of patients subjected to direct and indirect pulp capping of young permanent teeth. A retrospective study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 429-435.	0.8	2
81	Overtreatment in Restorative Dentistry: Decision Making by Last-Year Dental Students. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12585.	1.2	2
82	Dietary habits of a school population and implications for oral health. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2010, 59, 173-80.	1.3	2
83	Hydrogen peroxide diffusion with and without light activation. <i>The International Journal of Esthetic Dentistry</i> , 2016, 11, 430-41.	0.3	2
84	Root canal adaptation and intra-tubular penetration of three fiber-post cementation systems. <i>Journal of Clinical and Experimental Dentistry</i> , 2018, 10, e1198-e1204.	0.5	1
85	Temperature changes in 2% chlorhexidine gluconate using two activation methods with different intensity levels. <i>Journal of Clinical and Experimental Dentistry</i> , 2018, 10, 0-0.	0.5	1
86	Letter to the Editor / Reply. <i>Caries Research</i> , 2009, 43, 78-80.	0.9	0
87	Parental Satisfaction with Children's Primary Dental Care in Valencia, Spain. <i>Primary Dental Care</i> , 2011, 18, 25-30.	0.3	0
88	Infrared Thermography. An in Vitro Study on Its Use as Diagnostic Test in Dentistry. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 978-982.	0.5	0
89	Comparison of the effectiveness of professionally delivered and OTC whitening toothpastes. An in vitro study.. <i>American Journal of Dentistry</i> , 2022, 35, 20-24.	0.1	0