

Lidiany Karla Azevedo Rodrigues

List of Publications by Year in descending order

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95
papers

2,726
citations

257450

24
h-index

197818

49
g-index

100
all docs

100
docs citations

100
times ranked

2722
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitization of <i>in vitro</i> biofilms by toluidine blue O combined with a light-emitting diode. <i>European Journal of Oral Sciences</i> , 2006, 114, 64-69.	1.5	210
2	Nanotechnology-based restorative materials for dental caries management. <i>Trends in Biotechnology</i> , 2013, 31, 459-467.	9.3	195
3	Novel dental adhesives containing nanoparticles of silver and amorphous calcium phosphate. <i>Dental Materials</i> , 2013, 29, 199-210.	3.5	192
4	The antimicrobial activity of photodynamic therapy against <i>Streptococcus mutans</i> using different photosensitizers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 106, 40-46.	3.8	178
5	Novel calcium phosphate nanocomposite with caries-inhibition in a human <i>in situ</i> model. <i>Dental Materials</i> , 2013, 29, 231-240.	3.5	131
6	Evaluation of the antimicrobial effect of photodynamic antimicrobial therapy in an <i>in situ</i> model of dentine caries. <i>European Journal of Oral Sciences</i> , 2009, 117, 568-574.	1.5	130
7	Novel dental adhesive containing antibacterial agents and calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 620-629.	3.4	127
8	Carbon dioxide laser in dental caries prevention. <i>Journal of Dentistry</i> , 2004, 32, 531-540.	4.1	82
9	Relationship among microbiological composition and presence of dental plaque, sugar exposure, social factors and different stages of early childhood caries. <i>Archives of Oral Biology</i> , 2010, 55, 365-373.	1.8	81
10	<i>In situ</i> effects of restorative materials on dental biofilm and enamel demineralisation. <i>Journal of Dentistry</i> , 2009, 37, 44-51.	4.1	75
11	Chemical, Morphological and Thermal Effects of 10.6- μm CO ₂ Laser on the Inhibition of Enamel Demineralization. <i>Dental Materials Journal</i> , 2006, 25, 455-462.	1.8	66
12	Caries inhibition around composite restorations by pulsed carbon dioxide laser application. <i>European Journal of Oral Sciences</i> , 2005, 113, 239-244.	1.5	65
13	Photodynamic antimicrobial chemotherapy and ultraconservative caries removal linked for management of deep caries lesions. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 581-586.	2.6	63
14	<i>In situ</i> Mineral Loss Inhibition by CO ₂ Laser and Fluoride. <i>Journal of Dental Research</i> , 2006, 85, 617-621.	5.2	55
15	Novel hydroxyapatite nanorods improve anti-caries efficacy of enamel infiltrants. <i>Dental Materials</i> , 2016, 32, 784-793.	3.5	55
16	Effects of the Addition of Fluoride and Calcium to Low-Concentrated Carbamide Peroxide Agents on the Enamel Surface and Subsurface. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 319-325.	2.0	48
17	Effect of Photodynamic Antimicrobial Chemotherapy on <i>in vitro</i> and <i>in situ</i> Biofilms. <i>Caries Research</i> , 2012, 46, 549-554.	2.0	46
18	Combined Effects of Carbon Dioxide Laser and Fluoride on Demineralized Primary Enamel: An <i>in vitro</i> Study. <i>Caries Research</i> , 2007, 41, 74-76.	2.0	43

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19	Selective, stepwise, or nonselective removal of carious tissue: which technique offers lower risk for the treatment of dental caries in permanent teeth? A systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2020, 24, 521-532.	3.0	43
20	Comparison of methods for quantifying dental wear caused by erosion and abrasion. <i>Microscopy Research and Technique</i> , 2013, 76, 178-183.	2.2	40
21	Fluoride releasing and enamel demineralization around orthodontic brackets by fluoride-releasing composite containing nanoparticles. <i>Clinical Oral Investigations</i> , 2014, 18, 1343-1350.	3.0	34
22	Scientific evidence in antimicrobial photodynamic therapy: An alternative approach for reducing cariogenic bacteria. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 179-189.	2.6	32
23	Antimicrobial effect of chlorhexidine digluconate in dentin: In vitro and in situ study. <i>Journal of Conservative Dentistry</i> , 2012, 15, 22.	0.9	31
24	Physical and Compositional Changes on Demineralized Primary Enamel Induced by CO ₂ Laser. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 585-590.	2.0	28
25	The effect of gamma radiation on enamel hardness and its resistance to demineralization in vitro. <i>Journal of Oral Science</i> , 2004, 46, 215-220.	1.7	27
26	In vitro photodynamic antimicrobial chemotherapy in dentine contaminated by cariogenic bacteria. <i>Laser Physics</i> , 2010, 20, 1504-1513.	1.2	24
27	The effect of diode laser irradiation on dentin as a preventive measure against dental erosion: an in vitro study. <i>Lasers in Medical Science</i> , 2011, 26, 615-621.	2.1	24
28	Dentin hypersensitivity after treatment with desensitizing agents: a randomized, double-blind, split-mouth clinical trial. <i>Brazilian Dental Journal</i> , 2011, 22, 157-161.	1.1	21
29	Carbon dioxide laser and bonding materials reduce enamel demineralization around orthodontic brackets. <i>Lasers in Medical Science</i> , 2013, 28, 111-118.	2.1	20
30	Can insoluble polysaccharide concentration in dental plaque, sugar exposure and cariogenic microorganisms predict early childhood caries? A follow-up study. <i>Archives of Oral Biology</i> , 2015, 60, 1091-1097.	1.8	20
31	CO ₂ laser irradiation enhances CaF ₂ formation and inhibits lesion progression on demineralized dental enamel in vitro study. <i>Lasers in Medical Science</i> , 2016, 31, 539-547.	2.1	20
32	Influence of environmental conditions on properties of ionomeric and resin sealant materials. <i>Journal of Applied Oral Science</i> , 2009, 17, 294-300.	1.8	18
33	Assessment of cavitated and active non-cavitated caries lesions in 3- to 4-year-old preschool children: a field study. <i>International Journal of Paediatric Dentistry</i> , 2012, 22, 92-99.	1.8	18
34	Cellular differentiation, bioactive and mechanical properties of experimental light-curing pulp protection materials. <i>Dental Materials</i> , 2018, 34, 868-878.	3.5	18
35	Active compounds and derivatives of camellia sinensis responding to erosive attacks on dentin. <i>Brazilian Oral Research</i> , 2018, 32, e40.	1.4	18
36	Nanotechnology in Dentistry: Drug Delivery Systems for the Control of Biofilm-Dependent Oral Diseases. <i>Current Drug Delivery</i> , 2014, 11, 719-728.	1.6	18

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37	Effect of the CO2 laser combined with fluoridated products on the inhibition of enamel demineralization. <i>Journal of Contemporary Dental Practice</i> , 2008, 9, 113-21.	0.5	18
38	Influence of storage solution on enamel demineralization submitted to pH cycling. <i>Journal of Applied Oral Science</i> , 2004, 12, 205-208.	1.8	17
39	In situ effect of a dentifrice with low fluoride concentration and low pH on enamel remineralization and fluoride uptake. <i>Journal of Oral Science</i> , 2007, 49, 147-154.	1.7	17
40	Effect of chlorhexidine on the bond strength of a self-etch adhesive system to sound and demineralized dentin. <i>Brazilian Oral Research</i> , 2013, 27, 218-224.	1.4	17
41	Effect of commercial fluoride dentifrices against hydrochloric acid in an erosion-abrasion model. <i>Clinical Oral Investigations</i> , 2015, 19, 71-76.	3.0	17
42	Molecular detection of bacteria associated to caries activity in dentinal lesions. <i>Clinical Oral Investigations</i> , 2017, 21, 2053-2061.	3.0	16
43	Human In Situ Study of the effect of Bis(2-Methacryloyloxyethyl) Dimethylammonium Bromide Immobilized in Dental Composite on Controlling Mature Cariogenic Biofilm. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3443.	4.1	16
44	Characterization of Antimicrobial Photodynamic Therapy-Treated <i>Streptococci mutans</i> : An Atomic Force Microscopy Study. <i>Photomedicine and Laser Surgery</i> , 2013, 31, 105-109.	2.0	15
45	Dentin erosion by whitening mouthwash associated to toothbrushing abrasion: A focus variation 3D scanning microscopy study. <i>Microscopy Research and Technique</i> , 2013, 76, 904-908.	2.2	14
46	A Comparative Study of the Photosensitizer Penetration into Artificial Caries Lesions in Dentin Measured by the Confocal Raman Microscopy. <i>Photochemistry and Photobiology</i> , 2014, 90, 183-188.	2.5	14
47	Rose Bengal incorporated to β -cyclodextrin microparticles for photodynamic therapy against the cariogenic microorganism <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 111-118.	2.6	14
48	Quantitative analysis of biofilm bacteria according to different stages of early childhood caries. <i>Archives of Oral Biology</i> , 2018, 96, 155-161.	1.8	13
49	In vitro evaluation of enamel demineralization after several overlapping CO2 laser applications. <i>Lasers in Medical Science</i> , 2015, 30, 901-907.	2.1	12
50	Effects of Diode Laser Therapy and Stannous Fluoride on Dentin Resistance Under Different Erosive Acid Attacks. <i>Photomedicine and Laser Surgery</i> , 2014, 32, 146-151.	2.0	11
51	Insights into the Virulence Traits of <i>Streptococcus mutans</i> in Dentine Carious Lesions of Children with Early Childhood Caries. <i>Caries Research</i> , 2016, 50, 279-287.	2.0	11
52	Saliva proteomics from children with caries at different severity stages. <i>Oral Diseases</i> , 2020, 26, 1219-1229.	3.0	11
53	Clinical study of the caries-preventive effect of resin-modified glass ionomer restorations: aging versus the influence of fluoride dentifrice. <i>Journal of Investigative and Clinical Dentistry</i> , 2016, 7, 180-186.	1.8	10
54	The effect of magnesium hydroxide-containing dentifrice using an extrinsic and intrinsic erosion cycling model. <i>Archives of Oral Biology</i> , 2018, 86, 46-50.	1.8	9

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55	Addition of hydrogen peroxide to methylene blue conjugated to β -cyclodextrin in photodynamic antimicrobial chemotherapy in <i>S. mutans</i> biofilm. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 226-233.	2.6	9
56	Effect of oxalic acid pre-treatment in restorations of non-carious cervical lesions: A randomized clinical trial. <i>Journal of Conservative Dentistry</i> , 2014, 17, 427.	0.9	9
57	In situ Assessment of Effects of the Bromide- and Fluoride-incorporating Adhesive Systems on Biofilm and Secondary Caries. <i>Journal of Contemporary Dental Practice</i> , 2014, 15, 142-148.	0.5	9
58	In vitro assessment of thermal changes in human teeth during photodynamic antimicrobial chemotherapy performed with red light sources. <i>Laser Physics</i> , 2010, 20, 1475-1480.	1.2	8
59	Combined Effectiveness of β -Cyclodextrin Nanoparticles in Photodynamic Antimicrobial Chemotherapy on <i>In Vitro</i> Oral Biofilms. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2019, 37, 567-573.	1.4	8
60	Antimicrobial photodynamic therapy mediated by methylene blue coupled to β -cyclodextrin reduces early colonizing microorganisms from the oral biofilm. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102283.	2.6	8
61	Relationships between occlusal or free-smooth and approximal caries in mixed dentition. <i>Acta Odontologica Scandinavica</i> , 2005, 63, 308-313.	1.6	7
62	The Influence of Dentin Demineralization on Morphological Features of Cavities Using Er:YAG Laser. <i>Photomedicine and Laser Surgery</i> , 2015, 33, 22-28.	2.0	7
63	Carbohydrate-electrolyte drinks exhibit risks for human enamel surface loss. <i>Restorative Dentistry & Endodontics</i> , 2016, 41, 246.	1.5	7
64	The effect of zoledronate-containing primer on dentin bonding of a universal adhesive. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 199-204.	3.1	7
65	Effect of bioactive compounds on the regulation of quorum sensing network-associated genes and virulence in <i>Streptococcus mutans</i> —A systematic review. <i>Archives of Oral Biology</i> , 2020, 119, 104893.	1.8	7
66	Effect of epigallocatechin-3-gallate application for remaining carious dentin disinfection. <i>Journal of Conservative Dentistry</i> , 2015, 18, 51.	0.9	7
67	Four-year randomized clinical trial of oxalic acid pretreatment in restorations of non-carious cervical lesions. <i>Clinical Oral Investigations</i> , 2016, 20, 199-205.	3.0	6
68	Quantification and gene expression of <i>Lactobacillus casei</i> group species associated with dentinal lesions in early childhood caries. <i>Saudi Dental Journal</i> , 2021, 33, 69-77.	1.6	6
69	Evaluation of the effect of photodynamic antimicrobial therapy in dentin caries: a pilot in vivo study. , 2010, , .		5
70	An in vitro microbial model associated with sucrose to produce dentin caries lesions. <i>Open Life Sciences</i> , 2011, 6, 414-421.	1.4	5
71	Association Between Confidence in Smiling and Esthetic Characteristics. <i>Journal of Esthetic and Restorative Dentistry</i> , 2017, 29, E56-E66.	3.8	5
72	Fontes de estresse, bem-estar psicológico e saúde de entre estudantes de Odontologia: uma comparação entre fases pré-clínica e clínica e entre os sexos. <i>Revista Da ABENO</i> , 2019, 19, 2-12.	0.1	5

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73	Erosive potential of processed and fresh orange juice on human enamel. Journal of Dentistry for Children, 2015, 82, 10-5.	0.2	5
74	Efficacy of smear layer removal by cavity cleaning solutions: an atomic force microscopy study. Revista Odonto Ciencia, 2011, 26, 253-257.	0.0	4
75	In Situ Response of Nanostructured Hybrid Fluoridated Restorative Composites on Enamel Demineralization, Surface Roughness and Ion Release. European journal of prosthodontics and restorative dentistry, The, 2014, 22, 185-90.	0.4	4
76	CO2 laser and fluoride on the inhibition of root caries – an in vitro microbial model. Laser Physics, 2010, 20, 1838-1843.	1.2	3
77	Comparative Effect of Two Red Lights on <i>Streptococcus mutans</i> Biofilms and Assessment of Temperature Variances in Human Teeth During <i>In Vitro</i> Photodynamic Antimicrobial Chemotherapy. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 31-37.	1.4	3
78	Extraction and purification of RNA from human carious dentine: an approach to enable bacterial gene expression studies. Journal of Health & Biological Sciences, 2019, 7, 145-151.	0.2	3
79	Behavior and progression of early carious lesions in early childhood: a 1-year follow-up study. Journal of Dentistry for Children, 2012, 79, 130-5.	0.2	3
80	Acid Etching Concentration as a Strategy to Improve the Adhesive Performance on Er:YAG Laser and Bur-Prepared Demineralized Enamel. Photomedicine and Laser Surgery, 2014, 32, 379-385.	2.0	2
81	Stressors, psychological well-being, and overall health amongst students from public and private dental schools. Brazilian Journal of Oral Sciences, 0, 17, e181210.	0.1	2
82	Evaluation of the effect of a CO2 laser and fluoride on the reduction of carious lesions progression in primary teeth: an in vitro study. , 2014, , .		1
83	<p>Plaque Fluoride Levels as a Predictor of Caries Development in Early Childhood with High Sugar Exposure – A Preliminary Study</p>. Clinical, Cosmetic and Investigational Dentistry, 2020, Volume 12, 71-78.	1.6	1
84	The efficacy of acid etching for removing contamination in layered dental restorations. General Dentistry, 2012, 60, e312-4.	0.4	1
85	Assessment of enamel chemistry composition and its relationship with caries susceptibility. , 2005, 5687, 132.		0
86	Effects of the CO 2 laser combined with fluoridated toothpaste on human dental enamel demineralization. , 2006, , .		0
87	Investigation on light-assisted preventive effects on dentin erosion. Photonics & Lasers in Medicine, 2013, 2, .	0.2	0
88	Sucrose Induced Dentin Demineralization in a Microcosm Biofilm Model. International Journal of Odontostomatology, 2017, 11, 107-112.	0.1	0
89	Inhibition of <i>S. mutans</i> after nanoparticle mediated photodynamic antimicrobial chemotherapy on oral biofilm flow-cell system using laser or LED. Lasers in Dental Science, 2021, 5, 137-145.	0.6	0
90	Prevalência de obesidade infantil: hÃ¡ motivo de preocupaÃ§Ã£o?. SaÃºde E Pesquisa, 2021, 14, 1-11.	0.1	0

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91	Dental anomalies of a child with incontinentia pigmenti: Case report. Research, Society and Development, 2021, 10, e50310917482.	0.1	0
92	Remoção parcial de tecido cariado como alternativa terapêutica para tratamento da cárie dentária: relato de caso clínico. , 2017, , .		0
93	Polymicrobial oral conventionalization model in mice. Brazilian Journal of Microbiology, 2022, , 1.	2.0	0
94	Proteínas salivares e cárie na primeira infância: revisão de literatura. Research, Society and Development, 2022, 11, e29311521745.	0.1	0
95	Randomized Two-year Clinical Evaluation of Oxalic Acid in Restorations of Noncarious Cervical Lesions. Journal of Adhesive Dentistry, 2016, 18, 467-473.	0.5	0