

Maria Cristina Borsatto

List of Publications by Year in descending order

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89
papers

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citations

331670

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docs citations

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times ranked

1517
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mineral composition of dental enamel of permanent and deciduous teeth. <i>Microscopy Research and Technique</i> , 2010, 73, 572-577.	2.2	136
2	Effect of Energy and Pulse Repetition Rate of Er: YAG Laser on Dentin Ablation Ability and Morphological Analysis of the Laser-Irradiated Substrate. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 26-33.	2.0	63
3	Assessing microleakage of different class V restorations after Er:YAG laser and bur preparation. <i>Journal of Oral Rehabilitation</i> , 2003, 30, 1008-1014.	3.0	61
4	Microleakage of a Resin Sealant after Acid-Etching, Er:YAG Laser Irradiation and Air-Abrasion of Pits and Fissures. <i>Photomedicine and Laser Surgery</i> , 2001, 19, 83-87.	0.9	49
5	Surface and subsurface erosion of primary enamel by acid beverages over time. <i>Brazilian Dental Journal</i> , 2010, 21, 337-345.	1.1	47
6	Influence of Er:YAG laser on tensile bond strength of a self-etching system and a flowable resin in different dentin depths. <i>Journal of Dentistry</i> , 2004, 32, 269-275.	4.1	45
7	Antimicrobial Photodynamic Therapy and Dental Plaque: A Systematic Review of the Literature. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	41
8	Effect of methylene blue-induced photodynamic therapy on a <i>Streptococcus mutans</i> biofilm model. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 234-237.	2.6	39
9	Assessing Microleakage on Class V Composite Resin Restorations after Er:YAG Laser Preparation Varying the Adhesive Systems. <i>Photomedicine and Laser Surgery</i> , 2002, 20, 129-133.	0.9	37
10	Bond strength to dentin of primary teeth irradiated with varying Er:YAG laser energies and SEM examination of the surface morphology. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 254-259.	2.1	37
11	In Vitro Erosive Effect of Pediatric Medicines on Deciduous Tooth Enamel. <i>Brazilian Dental Journal</i> , 2014, 25, 22-27.	1.1	37
12	Effect of aPDT on <i>Streptococcus mutans</i> and <i>Candida albicans</i> present in the dental biofilm: Systematic review. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 363-366.	2.6	37
13	Electro-acupuncture efficacy on pain control after mandibular third molar surgery. <i>Brazilian Dental Journal</i> , 2007, 18, 158-162.	1.1	34
14	FTIR and SEM analysis of CO2 laser irradiated human enamel. <i>Archives of Oral Biology</i> , 2012, 57, 1153-1158.	1.8	34
15	Influence of antimicrobial photodynamic therapy in carious lesion. Randomized split-mouth clinical trial in primary molars. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 124-130.	2.6	32
16	One-session root canal treatment with antimicrobial photodynamic therapy (aPDT): an <i>in vivo</i> study. <i>International Endodontic Journal</i> , 2016, 49, 511-518.	5.0	25
17	Tensile Bond Strength of Dentin-Resinous System Interfaces Conditioned with Er:YAG Laser Irradiation. <i>Photomedicine and Laser Surgery</i> , 2002, 20, 89-93.	0.9	24
18	Shear bond strength of enamel surface treated with air-abrasive system. <i>Brazilian Dental Journal</i> , 2002, 13, 175-178.	1.1	24

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19	SEM analysis of enamel surface treated by Er:YAG laser: Influence of irradiation distance. <i>Microscopy Research and Technique</i> , 2008, 71, 536-541.	2.2	23
20	Bond strength of a pit-and-fissure sealant associated to etch-and-rinse and self-etching adhesive systems to saliva-contaminated enamel: individual vs. simultaneous light curing. <i>Brazilian Dental Journal</i> , 2008, 19, 341-347.	1.1	23
21	Influence of energy and pulse repetition rate of Er:YAG laser on enamel ablation ability and morphological analysis of the laser-irradiated surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 569-575.	4.0	22
22	Caries removal in deciduous teeth using an Er:YAG laser: a randomized split-mouth clinical trial. <i>Clinical Oral Investigations</i> , 2016, 20, 65-73.	3.0	22
23	Influence of pre-irradiation time employed in antimicrobial photodynamic therapy with diode laser. <i>Lasers in Medical Science</i> , 2018, 33, 67-73.	2.1	22
24	FT-Raman spectroscopy, μ -EDXRF spectrometry, and microhardness analysis of the dentin of primary and permanent teeth. <i>Microscopy Research and Technique</i> , 2018, 81, 509-514.	2.2	21
25	Effects of low-level laser therapy combined with toluidine blue on polysaccharides and biofilm of <i>Streptococcus mutans</i> . <i>Lasers in Medical Science</i> , 2016, 31, 1011-1016.	2.1	20
26	Effect of curcumin-mediated photodynamic therapy on <i>Streptococcus mutans</i> and <i>Candida albicans</i> : A systematic review of in vitro studies. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 455-461.	2.6	20
27	Dental care management in a child with recessive dystrophic epidermolysis bullosa. <i>Brazilian Dental Journal</i> , 2011, 22, 511-516.	1.1	19
28	Clinical evaluation of the failure rate of metallic brackets bonded with orthodontic composites. <i>Brazilian Dental Journal</i> , 2012, 23, 399-402.	1.1	19
29	CO2 laser as auxiliary in the debonding of ceramic brackets. <i>Lasers in Medical Science</i> , 2015, 30, 1835-1841.	2.1	18
30	Microleakage at sealant/enamel interface of primary teeth: effect of Er:YAG laser ablation of pits and fissures. <i>Journal of Dentistry for Children</i> , 2004, 71, 143-7.	0.2	18
31	Laser therapy on points of acupuncture: Are there benefits in dentistry?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 151, 76-82.	3.8	17
32	Influence of salivary contamination on marginal microleakage of pit and fissure sealants. <i>American Journal of Dentistry</i> , 2004, 17, 365-7.	0.1	17
33	Shear strength of the bond to primary dentin: influence of Er:YAG laser irradiation distance. <i>Lasers in Medical Science</i> , 2011, 26, 293-297.	2.1	15
34	Temperature rise during Er:YAG cavity preparation of primary enamel. <i>Lasers in Medical Science</i> , 2012, 27, 1-5.	2.1	15
35	Effect of individual or simultaneous curing on sealant bond strength. <i>Journal of Dentistry for Children</i> , 2005, 72, 31-5.	0.2	15
36	Shear bond strength of pit-and-fissure sealants to saliva-contaminated and noncontaminated enamel. <i>Journal of Dentistry for Children</i> , 2005, 72, 95-9.	0.2	15

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37	Effects of chlorhexidine varnish on caries during orthodontic treatment: a systematic review and meta-analysis. <i>Brazilian Oral Research</i> , 2016, 30, e115.	1.4	14
38	Comparison of marginal microleakage of flowable composite restorations in primary molars prepared by high-speed carbide bur, Er:YAG laser, and air abrasion. <i>Journal of Dentistry for Children</i> , 2006, 73, 122-6.	0.2	14
39	Thermal alteration and morphological changes of sound and demineralized primary dentin after Er:YAG laser ablation. <i>Microscopy Research and Technique</i> , 2012, 75, 126-132.	2.2	13
40	Loss of structural water and carbonate of Nd:YAG laser-irradiated human enamel. <i>Lasers in Medical Science</i> , 2015, 30, 1183-1187.	2.1	13
41	Bond strength of self-etching primer and total-etch adhesive systems to primary dentin. <i>Journal of Dentistry for Children</i> , 2004, 71, 131-4.	0.2	13
42	Bonding agent underneath sealant: shear bond strength to oil-contaminated. <i>Brazilian Dental Journal</i> , 2010, 21, 50-54.	1.1	12
43	Effect of Er:YAG Laser Parameters on Ablation Capacity and Morphology of Primary Enamel. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 253-260.	2.0	11
44	Microhardness of Enamel Adjacent to Orthodontic Brackets After CO ₂ Laser Irradiation and Fluoride Application. <i>Brazilian Dental Journal</i> , 2013, 24, 508-512.	1.1	11
45	Clinical evaluation of composite restorations in Er:YAG laser-prepared cavities re-wetting with chlorhexidine. <i>Clinical Oral Investigations</i> , 2017, 21, 1231-1241.	3.0	11
46	Influence of air abrasion preparation on microleakage in glass ionomer cement restorations. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 1213-1216.	3.6	10
47	Composite Resin's Adhesive Resistance to Dentin: Influence of Er:YAG Laser Focal Distance Variation. <i>Photomedicine and Laser Surgery</i> , 2005, 23, 229-232.	2.0	10
48	CO ₂ Laser and Topical Fluoride Therapy in the Control of Caries Lesions on Demineralized Primary Enamel. <i>Scientific World Journal</i> , The, 2015, 2015, 1-6.	2.1	10
49	Er:YAG laser irradiation to control the progression of enamel erosion: an in situ study. <i>Lasers in Medical Science</i> , 2015, 30, 1465-1473.	2.1	10
50	Combined Acupuncture and Auriculotherapy in Burning Mouth Syndrome Treatment: A Preliminary Single-Arm Clinical Trial. <i>Journal of Alternative and Complementary Medicine</i> , 2017, 23, 126-134.	2.1	10
51	Analysis of surfaces and adhesive interfaces of enamel and dentin after different treatments. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1465-1470.	3.6	9
52	Partial replacement of the dentin-pulp complex by periodontal supporting tissues in a traumatically intruded primary maxillary incisor. <i>Dental Traumatology</i> , 2008, 24, 553-555.	2.0	9
53	Effect of Erbium-Doped Yttrium Aluminium Garnet Laser Parameters on Ablation Capacity and Morphology of Primary Dentin. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 885-890.	2.0	9
54	Wear of two pit and fissure sealants in contact with primary teeth. <i>European Journal of Dentistry</i> , 2014, 08, 241-248.	1.7	9

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55	Evaluation of Enamel Roughness in Vitro After Orthodontic Bracket Debonding Using Different Methods of Residual Adhesive Removal. Turkish Journal of Orthodontics, 2020, 33, 43-51.	1.1	9
56	Photobiomodulation (PBMT) and antimicrobial photodynamic therapy (aPDT) in oral manifestations of patients infected by Sars-CoV-2: systematic review and meta-analysis. Bulletin of the National Research Centre, 2022, 46, .	1.8	9
57	Oral Findings and Dental Treatment in a Child with Williams-Beuren Syndrome. Brazilian Dental Journal, 2015, 26, 312-316.	1.1	8
58	Effect of foods and drinks on primary tooth enamel after erosive challenge with hydrochloric acid. Brazilian Oral Research, 2015, 29, .	1.4	8
59	Microleakage on class V glass ionomer restorations after cavity preparation with aluminum oxide air abrasion. Brazilian Dental Journal, 2005, 16, 35-38.	1.1	8
60	Effect of Er:YAG laser on tensile bond strength of sealants in primary teeth. Journal of Dentistry for Children, 2007, 74, 104-8.	0.2	8
61	Evaluation of different LED light-curing devices for bonding metallic orthodontic brackets. Brazilian Dental Journal, 2011, 22, 249-253.	1.1	7
62	Bond Strength of a Bisphenol-A-Free Fissure Sealant With and Without Adhesive Layer under Conditions of Saliva Contamination. Brazilian Dental Journal, 2016, 27, 309-312.	1.1	7
63	Photosensitizers attenuate LPS-induced inflammation: implications in dentistry and general health. Lasers in Medical Science, 2021, 36, 913-926.	2.1	7
64	Unerupted second primary mandibular molar positioned inferior to the second premolar: case report. Pediatric Dentistry (discontinued), 1999, 21, 205-8.	0.4	7
65	Bond Durability of Er:YAG Laser-Prepared Primary Tooth Enamel. Brazilian Dental Journal, 2013, 24, 330-334.	1.1	6
66	Four-year clinical prospective follow-up of resin composite restoration after selective caries removal using Er:YAG laser. Clinical Oral Investigations, 2020, 24, 2271-2283.	3.0	6
67	Shear bond strength to primary enamel: influence of Er:YAG laser irradiation distance. Journal of Dentistry for Children, 2007, 74, 26-9.	0.2	6
68	CO ₂ -lased enamel microhardness after brushing and cariogenic challenge. Journal of Biomedical Optics, 2013, 18, 108003.	2.6	5
69	Self-etch bonding agent beneath sealant: Bond strength for laser-irradiated enamel. European Journal of Dentistry, 2013, 07, 289-295.	1.7	5
70	<scp>CO</scp>₂ laser emission modes to control enamel erosion. Microscopy Research and Technique, 2015, 78, 654-659.	2.2	5
71	Effects of a potentially erosive antiasthmatic medicine on the enamel and dentin of primary teeth: An in situ study. Microscopy Research and Technique, 2018, 81, 1077-1083.	2.2	5
72	Photobiomodulation impacts the levels of inflammatory mediators during orthodontic tooth movement? A systematic review with meta-analysis. Lasers in Medical Science, 2022, 37, 771-787.	2.1	5

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73	Adhesive interfaces of enamel and dentin prepared by air-abrasion at different distances. Applied Surface Science, 2007, 253, 4866-4871.	6.1	4
74	Efficacy of CO lasers in preventing dental caries in partially erupted first permanent molars: a randomized 18-month clinical trial. Lasers in Medical Science, 2020, 35, 1185-1191.	2.1	4
75	Selective Removal of Necrotic Dentin in Primary Teeth Using Laser Irradiation: One-Year Clinical Evaluation of Composite Restorations. Journal of Lasers in Medical Sciences, 2019, 10, 108-116.	1.2	4
76	Effect of Metalloproteinase Inhibitors on the Microtensile Bond Strength of Composite Resin to Er:YAG Laser-Irradiated Dentin. Brazilian Dental Journal, 2016, 27, 442-445.	1.1	3
77	Does the CO2 laser reduce bond strength in different types of ceramic brackets?. Dental Press Journal of Orthodontics, 2017, 22, 55-60.	0.9	3
78	Tensile bond strength to primary dentin after different etching times. Journal of Dentistry for Children, 2007, 74, 113-7.	0.2	3
79	Influence of antimicrobial photodynamic therapy with different pre-irradiation times on children's dental biofilm: randomized clinical trial. European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry, 2022, 23, 897-904.	1.9	3
80	Acupuncture in the Treatment of Temporo-Mandibular Disorders in Sydenham's Chorea Patient: A Case Report. Acupuncture in Medicine, 2009, 27, 188-189.	1.0	2
81	CO2 laser irradiation for debonding ceramic orthodontic brackets. Brazilian Dental Journal, 2021, 32, 45-52.	1.1	2
82	Shear bond strength of the adhesive/dentin interface after different etching protocols. Journal of Conservative Dentistry, 2021, 24, 393.	0.9	2
83	Influence of the Nd:YAG Laser Pulse Duration on the Temperature of Primary Enamel. Scientific World Journal, The, 2015, 2015, 1-6.	2.1	1
84	Knowledge, attitudes, and psychosocial impacts among Brazilian Pediatric Dentists during COVID-19 pandemic. Brazilian Oral Research, 2022, 36, e028.	1.4	1
85	Mechanical, chemical and antimicrobial properties of a bisphenol A-free pit-and-fissure sealant. American Journal of Dentistry, 2018, 31, 279-284.	0.1	1
86	Effect of acupuncture in the treatment of dentin hypersensitivity: a case report. Acupuncture in Medicine, 2022, 40, 201-202.	1.0	1
87	Influence of self-care using complementary and integrative therapies during the COVID-19 pandemic in children and adolescents aged 4 to 13 years with bruxism and temporomandibular disorders. Mundo Da Saude, 2022, 46, 074-084.	0.1	1
88	Oral Rehabilitation of a Child with Hypohidrotic Ectodermal Dysplasia. Journal of Dentistry for Children, 2019, 86, 158-163.	0.2	0
89	Effect of Acid Beverage on the Microhardness of Primary Tooth Enamel In Vitro. Journal of Dentistry for Children, 2021, 88, 11-16.	0.2	0