Carlos Alberto De Souza Costa

List of Publications by Year
in descending order

227 papers	7,060 citations	57758 44 h-index	91884 69 g-index
229 all docs	229 docs citations	229 times ranked	5866 citing authors

#	Article	IF	Citations
1	Human pulp responses to in-office tooth bleaching. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, e59-e64.	1.4	216
2	Investigation of the Photodynamic Effects of Curcumin Against Candida albicans. Photochemistry and Photobiology, 2011, 87, 895-903.	2.5	188
3	Cytotoxicity and biocompatibility of direct and indirect pulp capping materials. Journal of Applied Oral Science, 2009, 17, 544-554.	1.8	146
4	Biocompatibility of an adhesive system applied to exposed human dental pulp. Journal of Endodontics, 1999, 25, 676-682.	3.1	144
5	Concentrations of and application protocols for hydrogen peroxide bleaching gels: Effects on pulp cell viability and whitening efficacy. Journal of Dentistry, 2014, 42, 185-198.	4.1	144
6	Current status of pulp capping with dentin adhesive systems: a review. Dental Materials, 2000, 16, 188-197.	3.5	142
7	Susceptibility of Candida albicans to photodynamic therapy in a murine model of oral candidosis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, 392-401.	1.4	139
8	Hypoxia Enhances the Angiogenic Potential of Human Dental Pulp Cells. Journal of Endodontics, 2010, 36, 1633-1637.	3.1	137
9	Chlorhexidine increases the longevity of in vivo resinâ€“dentin bonds. European Journal of Oral Sciences, 2010, 118, 411-416.	1.5	132
10	Curcumin-mediated photodynamic inactivation ofCandida albicansin a murine model of oral candidiasis. Medical Mycology, 2013, 51, 243-251.	0.7	132
11	Biostimulatory effect of low-level laser therapy on keratinocytes in vitro. Lasers in Medical Science, 2013, 28, 367-374.	2.1	121
12	In Vitro Wound Healing Improvement by Low-Level Laser Therapy Application in Cultured Gingival Fibroblasts. International Journal of Dentistry, 2012, 2012, 1-6.	1.5	108
13	Human pulp response after an adhesive system application in deep cavities. Journal of Dentistry, 1999, 27, 557-564.	4.1	104
14	Methods to evaluate and strategies to improve the biocompatibility of dental materials and operative techniques. Dental Materials, 2014, 30, 769-784.	3.5	100
15	In vitro cytotoxicity of five glass-ionomer cements. Biomaterials, 2003, 24, 3853-3858.	11.4	98
16	In vitro cytotoxicity and in vivo biocompatibility of contemporary resin-modified glass-ionomer cements. Dental Materials, 2006, 22, 838-844.	3.5	93
17	Toxicity of chlorhexidine on odontoblast-like cells. Journal of Applied Oral Science, 2010, 18, 50-58.	1.8	92
18	Phototoxic effect of curcumin on methicillin-resistant Staphylococcus aureus and L929 fibroblasts. Lasers in Medical Science, 2013, 28, 391-398.	2.1	92

#	Article	IF	Citations
19	Short-term evaluation of the pulpo-dentin complex response to a resin-modified glass-ionomer cement and a bonding agent applied in deep cavities. Dental Materials, 2003, 19, 739-746.	3.5	91
20	Response of human pulps capped with a self-etching adhesive system. Dental Materials, 2001, 17, 230-240.	3.5	88
21	Human pulp response to resin cements used to bond inlay restorations. Dental Materials, 2006, 22, 954-962.	3.5	84
22	Effective tooth-bleaching protocols capable of reducing H2O2 diffusion through enamel and dentine. Journal of Dentistry, 2014, 42, 351-358.	4.1	82
23	Stabilization of dentin matrix after cross-linking treatments, in vitro. Dental Materials, 2014, 30, 227-233.	3.5	81
24	Efficacy and cytotoxicity of a bleaching gel after short application times on dental enamel. Clinical Oral Investigations, 2013, 17, 1901-1909.	3.0	71
25	Response of human pulps following acid conditioning and application of a bonding agent in deep cavities. Dental Materials, 2002, 18, 543-551.	3.5	64
26	Transâ€enamel and transâ€dentinal cytotoxic effects of a 35% H₂O₂ bleaching gel on cultured odontoblast cell lines after consecutive applications. International Endodontic Journal, 2009, 42, 516-524.	5.0	64
27	Influence of enamel/dentin thickness on the toxic and esthetic effects of experimental in-office bleaching protocols. Clinical Oral Investigations, 2017, 21, 2509-2520.	3.0	59
28	Inactivation of Matrix-bound Matrix Metalloproteinases by Cross-linking Agents in Acid-etched Dentin. Operative Dentistry, 2014, 39, 152-158.	1.2	58
29	Effect of curing regime on the cytotoxicity of resin-modified glass-ionomer lining cements applied to an odontoblast-cell line. Dental Materials, 2006, 22, 864-869.	3.5	57
30	Biocompatibility of resin-based dental materials applied as liners in deep cavities prepared in human teeth. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 81B, 175-184.	3.4	57
31	Transdentinal diffusion and cytotoxicity of self-etching adhesive systems. Cell Biology and Toxicology, 2009, 25, 533-543.	5.3	57
32	Proliferation, migration, and expression of oralâ€mucosalâ€healingâ€related genes by oral fibroblasts receiving lowâ€level laser therapy after inflammatory cytokines challenge. Lasers in Surgery and Medicine, 2016, 48, 1006-1014.	2.1	57
33	Simvastatin and nanofibrous poly(l-lactic acid) scaffolds to promote the odontogenic potential of dental pulp cells in an inflammatory environment. Acta Biomaterialia, 2018, 68, 190-203.	8.3	57
34	Color alteration, hydrogen peroxide diffusion, and cytotoxicity caused by in-office bleaching protocols. Clinical Oral Investigations, 2015, 19, 673-680.	3.0	54
35	Treatment of Oral Candidiasis Using PhotodithazineÂ®- Mediated Photodynamic Therapy In Vivo. PLoS ONE, 2016, 11, e0156947.	2.5	54
36	Biocompatibility of resin-based materials used as pulp-capping agents. International Endodontic Journal, 2003, 36, 831-839.	5.0	53

#	Article	IF	Citations
37	Response of human pulps capped with different self-etch adhesive systems. Clinical Oral Investigations, 2008, 12, 119-127.	3.0	53
38	Response of Human Pulps to Different In-Office Bleaching Techniques: Preliminary Findings. Brazilian Dental Journal, 2015, 26, 242-248.	1.1	53
39	Cytotoxicity of dimethyl sulfoxide (DMSO) in direct contact with odontoblast-like cells. Dental Materials, 2015, 31, 399-405.	3.5	53
40	Inhibition of eukaryotic translation initiation factor 5A (eIF5A) hypusination impairs melanoma growth. Cell Biochemistry and Function, 2007, 25, 109-114.	2.9	51
41	Cytotoxic effect of a 35% hydrogen peroxide bleaching gel on odontoblast-like MDPC-23 cells. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2009, 108, 458-464.	1.4	51
42	Response of human pulps after professionally applied vital tooth bleaching. International Endodontic Journal, 2010, 43, 572-580.	5.0	50
43	Tumor Necrosis Factorâ€Î± and Interleukin (IL)â€1Î², ILâ€6, and ILâ€8 Impair In Vitro Migration and Induce Apoptosis of Gingival Fibroblasts and Epithelial Cells, Delaying Wound Healing. Journal of Periodontology, 2016, 87, 990-996.	3.4	49
44	Reactionary dentinogenesis after applying restorative materials and bioactive dentin matrix molecules as liners in deep cavities prepared in nonhuman primate teeth. Journal of Oral Rehabilitation, 2006, 33, 452-461.	3.0	46
45	Zoledronic Acid Inhibits Human Osteoblast Activities. Gerontology, 2013, 59, 534-541.	2.8	46
46	Clinical and microbiological performance of resin-modified glass-ionomer liners after incomplete dentine caries removal. Clinical Oral Investigations, 2009, 13, 465-471.	3.0	44
47	Transenamel and transdentinal cytotoxicity of carbamide peroxide bleaching gels on odontoblast-like MDPC-23 cells. International Endodontic Journal, 2011, 44, 116-125.	5.0	44
48	In vitro effect of low-level laser on odontoblast-like cells. Laser Physics Letters, 2011, 8, 155-163.	1.4	44
49	Biomodulation of Inflammatory Cytokines Related to Oral Mucositis by Lowâ€Level Laser Therapy. Photochemistry and Photobiology, 2015, 91, 952-956.	2.5	43
50	Design, Synthesis, and Characterization of N-Oxide-Containing Heterocycles with in Vivo Sterilizing Antitubercular Activity. Journal of Medicinal Chemistry, 2017, 60, 8647-8660.	6.4	43
51	In vitro and in vivo investigation of the biological and mechanical behaviour of resin-modified glass-ionomer cement containing chlorhexidine. Journal of Dentistry, 2013, 41, 155-163.	4.1	42
52	Transdentinal Cytotoxicity of Carbodiimide (EDC) and Glutaraldehyde on Odontoblast-like Cells. Operative Dentistry, 2015, 40, 44-54.	1.2	41
53	Biocompatibility of Two Current Adhesive Resins. Journal of Endodontics, 2000, 26, 512-516.	3.1	40
54	Mineral Loss and Morphological Changes in Dental Enamel Induced by a 16% Carbamide Peroxide Bleaching Gel. Brazilian Dental Journal, 2013, 24, 517-521.	1.1	40

#	Article	IF	Citations
55	Increased viability of odontoblast-like cells subjected to low-level laser irradiation. Laser Physics, 2010, 20, 1659-1666.	1.2	39
56	Nutritional stress enhances cell viability of odontoblastlike cells subjected to low level laser irradiation. Laser Physics Letters, 2010, 7, 247-251.	1.4	39
57	In Vitro effect of low-level laser therapy on typical oral microbial biofilms. Brazilian Dental Journal, 2011, 22, 502-510.	1.1	39
58	Pulp response after application of two resin modified glass ionomer cements (RMGICs) in deep cavities of prepared human teeth. Dental Materials, 2011, 27, e158-e170.	3.5	39
59	Leukotriene B4 mediates Î³Î´ T lymphocyte migration in response to diverse stimuli. Journal of Leukocyte Biology, 2009, 87, 323-332.	3.3	38
60	Responses of human dental pulp cells after application of a low-concentration bleaching gel to enamel. Archives of Oral Biology, 2015, 60, 1428-1436.	1.8	38
61	Scanning electron microscopy evaluation of the hard tissue barrier after pulp capping with calcium hydroxide, mineral trioxide aggregate (MTA) or ProRoot MTA. Australian Endodontic Journal, 2009, 35, 78-84.	1.5	37
62	Osteoblast differentiation is enhanced by a nano-to-micro hybrid titanium surface created by Yb:YAG laser irradiation. Clinical Oral Investigations, 2016, 20, 503-511.	3.0	37
63	Biological Analysis of Simvastatin-releasing Chitosan Scaffold as a Cell-free System for Pulp-dentin Regeneration. Journal of Endodontics, 2018, 44, 971-976.e1.	3.1	37
64	Transdentinal cytotoxic effects of different concentrations of chlorhexidine gel applied on acidâ€conditioned dentin substrate. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 40-47.	3.4	36
65	Effects of light-curing time on the cytotoxicity of a restorative composite resin on odontoblast-like cells. Journal of Applied Oral Science, 2010, 18, 461-466.	1.8	36
66	Indirect cytotoxicity of a 35% hydrogen peroxide bleaching gel on cultured odontoblast-like cells. Brazilian Dental Journal, 2009, 20, 267-274.	1.1	35
67	Immediate and late analysis of dental pulp stem cells viability after indirect exposition to alternative in-office bleaching strategies. Clinical Oral Investigations, 2015, 19, 1013-1020.	3.0	35
68	Cytotoxic effects and pulpal response caused by a mineral trioxide aggregate formulation and calcium hydroxide. American Journal of Dentistry, 2008, 21, 255-61.	0.1	35
69	Effect of low-level laser irradiation on odontoblast-like cells. Laser Physics Letters, 2008, 5, 680-685.	1.4	34
70	Bond Strength and Cytotoxicity of a Universal Adhesive According to the Hybridization Strategies to Dentin. Brazilian Dental Journal, 2018, 29, 68-75.	1.1	34
71	Adhesive performance of dentin bonding agents appliedin vivo andin vitro. Effect of intrapulpal pressure and dentin depth. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 295-303.	3.4	32
72	Lightâ€emitting diode therapy in chemotherapyâ€induced mucositis. Lasers in Surgery and Medicine, 2008, 40, 625-633.	2.1	32

#	Article	IF	Citations
73	Effect of hydrogen-peroxide-mediated oxidative stress on human dental pulp cells. Journal of Dentistry, 2015, 43, 750-756.	4.1	32
74	Increased Durability of Resin-Dentin Bonds Following Cross-Linking Treatment. Operative Dentistry, 2015, 40, 533-539.	1.2	32
75	Transdentinal protective role of sodium ascorbate against the cytopathic effects of H2O2 released from bleaching agents. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, e70-e76.	1.4	31
76	Phototherapy up-regulates dentin matrix proteins expression and synthesis by stem cells from human-exfoliated deciduous teeth. Journal of Dentistry, 2014, 42, 1292-1299.	4.1	31
77	Transdentinal cytotoxicity of glutaraldehyde on odontoblast-like cells. Journal of Dentistry, 2015, 43, 997-1006.	4.1	31
78	Transdentinal cytotoxicity of resin-based luting cements to pulp cells. Clinical Oral Investigations, 2016, 20, 1559-1566.	3.0	31
79	Antimicrobial photodynamic therapy reduces adhesion capacity and biofilm formation of Candida albicans from induced oral candidiasis in mice. Photodiagnosis and Photodynamic Therapy, 2019, 27, 402-407.	2.6	31
80	Synergistic potential of 1Î±,25-dihydroxyvitamin D3 and calciumâ€“aluminateâ€“chitosan scaffolds with dental pulp cells. Clinical Oral Investigations, 2020, 24, 663-674.	3.0	31
81	Effect of LPS treatment on the viability and chemokine synthesis by epithelial cells and gingival fibroblasts. Archives of Oral Biology, 2015, 60, 1117-1121.	1.8	30
82	Cytotoxic effects of different concentrations of chlorhexidine. American Journal of Dentistry, 2007, 20, 400-4.	0.1	30
83	Extravasation mucocele involving the ventral surface of the tongue (glands of Blandin?Nuhn). International Journal of Paediatric Dentistry, 2006, 16, 435-439.	1.8	29
84	Increased whitening efficacy and reduced cytotoxicity are achieved by the chemical activation of a highly concentrated hydrogen peroxide bleaching gel. Journal of Applied Oral Science, 2019, 27, e20180453.	1.8	29
85	Characterization of novel calcium hydroxideâ€mediated highly porous chitosanâ€calcium scaffolds for potential application in dentin tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2546-2559.	3.4	29
86	Biocompatibility of New Calcium Aluminate Cement: Tissue Reaction and Expression of Inflammatory Mediators and Cytokines. Journal of Endodontics, 2014, 40, 2024-2029.	3.1	28
87	Odontogenic differentiation potential of human dental pulp cells cultured on a calcium-aluminate enriched chitosan-collagen scaffold. Clinical Oral Investigations, 2017, 21, 2827-2839.	3.0	28
88	Bleaching effectiveness, hydrogen peroxide diffusion, and cytotoxicity of a chemically activated bleaching gel. Clinical Oral Investigations, 2013, 18, 1631-7.	3.0	27
89	In vivo evaluation of photodynamic inactivation using PhotodithazineÂ® against Candida albicans. Photochemical and Photobiological Sciences, 2015, 14, 1319-1328.	2.9	27
90	Antimicrobial Photodynamic Therapy in Combination with Nystatin in the Treatment of Experimental Oral Candidiasis Induced by Candida albicans Resistant to Fluconazole. Pharmaceuticals, 2019, 12, 140.	3.8	27

#	Article	IF	Citations
91	Cytotoxic effects of different concentrations of a carbamide peroxide bleaching gel on odontoblastâ€like cells MDPCâ€23. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 907-912.	3.4	26
92	Chitosan-collagen biomembrane embedded with calcium-aluminate enhances dentinogenic potential of pulp cells. Brazilian Oral Research, 2016, 30, e54.	1.4	26
93	A Novel 785-nm Laser Diode-Based System for Standardization of Cell Culture Irradiation. Photomedicine and Laser Surgery, 2013, 31, 466-473.	2.0	25
94	Cytotoxic Effects of Zoledronic Acid on Human Epithelial Cells and Gingival Fibroblasts. Brazilian Dental Journal, 2013, 24, 551-558.	1.1	25
95	Cytotoxic effects of hard-setting cements applied on the odontoblast cell line MDPC-23. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 104, e102-e108.	1.4	24
96	Mechanical and biological characterization of resin-modified glass-ionomer cement containing doxycycline hyclate. Archives of Oral Biology, 2012, 57, 131-138.	1.8	24
97	Effects of light-curing time on the cytotoxicity of a restorative resin composite applied to an immortalized odontoblast-cell line. Operative Dentistry, 2003, 28, 365-70.	1.2	24
98	In vivo evaluation of the biocompatibility of three current bonding agents. Journal of Oral Rehabilitation, 2006, 33, 542-550.	3.0	23
99	Cytotoxic effects of White-MTA and MTA-Bio cements on odontoblast-like cells (MDPC-23). Brazilian Dental Journal, 2010, 21, 24-31.	1.1	23
100	Transdentinal cytotoxicity of experimental adhesive systems of different hydrophilicity applied to ethanol-saturated dentin. Dental Materials, 2013, 29, 980-990.	3.5	23
101	Effect of Fluoride-Treated Enamel on Indirect Cytotoxicity of a 16% Carbamide Peroxide Bleaching Gel to Pulp Cells. Brazilian Dental Journal, 2013, 24, 121-127.	1.1	23
102	Effects of low-level laser therapy on the proliferation and apoptosis of gingival fibroblasts treated with zoledronic acid. International Journal of Oral and Maxillofacial Surgery, 2014, 43, 1030-1034.	1.5	23
103	Infrared <scp>LED</scp> irradiation photobiomodulation of oxidative stress in human dental pulp cells. International Endodontic Journal, 2014, 47, 747-755.	5.0	23
104	In vitro and in vivo evaluations of glass-ionomer cement containing chlorhexidine for Atraumatic Restorative Treatment. Journal of Applied Oral Science, 2017, 25, 541-550.	1.8	23
105	Platform technologies for regenerative endodontics from multifunctional biomaterials to tooth-on-a-chip strategies. Clinical Oral Investigations, 2021, 25, 4749-4779.	3.0	23
106	Correlation between light transmission and permeability of human dentin. Lasers in Medical Science, 2012, 27, 191-196.	2.1	22
107	Epithelial cell-enhanced metabolism by low-level laser therapy and epidermal growth factor. Lasers in Medical Science, 2018, 33, 445-449.	2.1	22
108	Effects of zoledronic acid on odontoblast-like cells. Archives of Oral Biology, 2013, 58, 467-473.	1.8	21

#	Article	IF	Citations
109	Repair of Bone Defects Filled with New Calcium Aluminate Cement (EndoBinder). Journal of Endodontics, 2015, 41, 864-870.	3.1	21
110	Photodithazine-mediated antimicrobial photodynamic therapy against fluconazole-resistant Candida albicans in vivo. Medical Mycology, 2019, 57, 609-617.	0.7	21
111	Exposed collagen in aged resin-dentin bonds produced on sound and caries-affected dentin in the presence of chlorhexidine. Journal of Adhesive Dentistry, 2011, 13, 117-24.	0.5	21
112	Low-level laser therapy in 3D cell culture model using gingival fibroblasts. Lasers in Medical Science, 2016, 31, 973-978.	2.1	20
113	Indirect cytocompatibility of a lowâ€concentration hydrogen peroxide bleaching gel to odontoblastâ€like cells. International Endodontic Journal, 2016, 49, 26-36.	5.0	20
114	Toxicity of photodynamic therapy with LED associated to PhotogemÂ®: An in vivo study. Lasers in Medical Science, 2012, 27, 403-411.	2.1	19
115	In vivo photodynamic inactivation of Candida albicans using chloroâ€aluminum phthalocyanine. Oral Diseases, 2016, 22, 415-422.	3.0	19
116	Effect of chlorhexidine on bond strength of two-step etch-and-rinse adhesive systems to dentin of primary and permanent teeth. American Journal of Dentistry, 2010, 23, 128-32.	0.1	19
117	Safety assessment of oral photodynamic therapy in rats. Lasers in Medical Science, 2013, 28, 479-486.	2.1	18
118	Cytotoxicity of adhesive systems of different hydrophilicities on cultured odontoblastâ€like cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101, 1498-1507.	3.4	18
119	Toxic effects of daily applications of 10% carbamide peroxide on odontoblast-like MDPC-23 cells. Acta Odontologica Scandinavica, 2013, 71, 1319-1325.	1.6	18
120	Transdentinal Cell Photobiomodulation Using Different Wavelengths. Operative Dentistry, 2015, 40, 102-111.	1.2	18
121	Effects of low-level laser therapy and epidermal growth factor on the activities of gingival fibroblasts obtained from young or elderly individuals. Lasers in Medical Science, 2017, 32, 45-52.	2.1	18
122	At-Home Bleaching: Color Alteration, Hydrogen Peroxide Diffusion and Cytotoxicity. Brazilian Dental Journal, 2015, 26, 378-383.	1.1	17
123	Fibronectin-loaded Collagen/Gelatin Hydrogel Is a Potent Signaling Biomaterial for Dental Pulp Regeneration. Journal of Endodontics, 2021, 47, 1110-1117.	3.1	17
124	Wettability of chlorhexidine treated nonâ€carious and cariesâ€affected dentine. Australian Dental Journal, 2014, 59, 37-42.	1.5	16
125	Immediate human pulp response to ethanol-wet bonding technique. Journal of Dentistry, 2015, 43, 537-545.	4.1	16
126	Influence of bisphosphonates on the adherence and metabolism of epithelial cells and gingival fibroblasts to titanium surfaces. Clinical Oral Investigations, 2018, 22, 893-900.	3.0	16

#	Article	IF	Citations
127	Effects of Enzymatic Activation of Bleaching Gels on Hydrogen Peroxide Degradation Rates, Bleaching Effectiveness, and Cytotoxicity. Operative Dentistry, 2019, 44, 414-423.	1.2	16
128	Characterization of titanium surface coated with epidermal growth factor and its effect on human gingival fibroblasts. Archives of Oral Biology, 2019, 102, 48-54.	1.8	16
129	Injectable Multifunctional Drug Delivery System for Hard Tissue Regeneration under Inflammatory Microenvironments. ACS Applied Bio Materials, 2021, 4, 6993-7006.	4.6	16
130	Osteogenesis-inducing calcium phosphate nanoparticle precursors applied to titanium surfaces. Biomedical Materials (Bristol), 2013, 8, 035007.	3.3	15
131	Protective Effect of Alpha-Tocopherol Isomer from Vitamin E against the H2O2Induced Toxicity on Dental Pulp Cells. BioMed Research International, 2014, 2014, 1-5.	1.9	15
132	Low-level laser therapy for osteonecrotic lesions: effects on osteoblasts treated with zoledronic acid. Supportive Care in Cancer, 2014, 22, 2741-2748.	2.2	15
133	Cytocompatibility of <scp>HEMA</scp>â€“free resinâ€“based luting cements according to application protocols on dentine surfaces. International Endodontic Journal, 2016, 49, 551-560.	5.0	15
134	Repair of Bone Defects with Chitosan-Collagen Biomembrane and Scaffold Containing Calcium Aluminate Cement. Brazilian Dental Journal, 2017, 28, 287-295.	1.1	15
135	Dose-Response and Time-Course of a-Tocoferol Mediating the Cytoprotection Of Dental Pulp Cells Against Hydrogen Peroxide. Brazilian Dental Journal, 2014, 25, 367-371.	1.1	14
136	Protective Effect of Sodium Ascorbate on MDPC-23 Odontoblast-Like Cells Exposed to a Bleaching Agent. European Journal of Dentistry, 2010, 4, 238-44.	1.7	14
137	Biocompatibility of a restorative resin-modified glass ionomer cement applied in very deep cavities prepared in human teeth. General Dentistry, 2016, 64, 33-40.	0.4	14
138	Regulation of angiotensin II receptors levels during rat induced pulpitis. Regulatory Peptides, 2007, 140, 27-31.	1.9	13
139	Effects of Soft Denture Liners on L929 Fibroblasts, HaCaT Keratinocytes, and RAW 264.7 Macrophages. BioMed Research International, 2014, 2014, 1-14.	1.9	13
140	Effect of low-level laser therapy on odontoblast-like cells exposed to bleaching agent. Lasers in Medical Science, 2014, 29, 1533-1538.	2.1	13
141	Photobiomodulation of inflammatory-cytokine-related effects in a 3-D culture model with gingival fibroblasts. Lasers in Medical Science, 2020, 35, 1205-1212.	2.1	13
142	Chitosan-Calcium-Simvastatin Scaffold as an Inductive Cell-Free Platform. Journal of Dental Research, 2021, 100, 1118-1126.	5.2	13
143	Aplasia of the mandibular condyle. Dentomaxillofacial Radiology, 2007, 36, 420-422.	2.7	12
144	Antioxidant therapy enhances pulpal healing in bleached teeth. Restorative Dentistry & Endodontics, 2016, 41, 44.	1.5	12

#	Article	IF	Citations
145	Systemic effect of mineral aggregate-based cements: histopathological analysis in rats. Journal of Applied Oral Science, 2017, 25, 620-630.	1.8	12
146	Polymeric biomaterials maintained the esthetic efficacy and reduced the cytotoxicity of inâ€office dental bleaching. Journal of Esthetic and Restorative Dentistry, 2021, 33, 1139-1149.	3.8	12
147	Development of fibronectinâ€loaded nanofiber scaffolds for guided pulp tissue regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1244-1258.	3.4	12
148	Bond Strength of Two-Step Etch-and-Rinse Adhesive Systems to the Dentin of Primary and Permanent Teeth. Journal of Clinical Pediatric Dentistry, 2010, 35, 163-168.	1.0	11
149	Effect of different implant abutment surfaces on OBAâ€09 epithelial cell adhesion. Microscopy Research and Technique, 2017, 80, 1304-1309.	2.2	11
150	PAR-1 and PAR-2 Expression Is Enhanced in Inflamed Odontoblast Cells. Journal of Dental Research, 2017, 96, 1518-1525.	5.2	11
151	Cytotoxicity Evaluation of Root Canal Sealers Using an In Vitro Experimental Model with Roots. Brazilian Dental Journal, 2017, 28, 165-171.	1.1	11
152	Influence of Tooth Pigmentation on H2O2 Diffusion and Its Cytotoxicity After In-office Tooth Bleaching. Operative Dentistry, 2020, 45, 632-642.	1.2	11
153	Photodynamic therapy associating PhotogemÂ® and blue LED on L929 and MDPCâ€23 cell culture. Cell Biology International, 2010, 34, 343-351.	3.0	10
154	Dose-responses of Stem Cells from Human Exfoliated Teeth to Infrared LED Irradiation. Brazilian Dental Journal, 2015, 26, 409-415.	1.1	10
155	Cytotoxicity of New Calcium Aluminate Cement (EndoBinder) Containing Different Radiopacifiers. Brazilian Dental Journal, 2017, 28, 57-64.	1.1	10
156	LLLT Effects on Oral Keratinocytes in an Organotypic 3D Model. Photochemistry and Photobiology, 2018, 94, 190-194.	2.5	10
157	Human pulp response to conventional and resin-modified glass ionomer cements applied in very deep cavities. Clinical Oral Investigations, 2020, 24, 1739-1748.	3.0	10
158	Direct and transdentinal antibacterial activity of chlorhexidine. American Journal of Dentistry, 2010, 23, 255-9.	0.1	10
159	Nano-hydroxyapatite-incorporated polycaprolactone nanofibrous scaffold as a dentin tissue engineering-based strategy for vital pulp therapy. Dental Materials, 2022, 38, 960-977.	3.5	10
160	Response of a co-culture model of epithelial cells and gingival fibroblasts to zoledronic acid. Brazilian Oral Research, 2016, 30, e122.	1.4	9
161	Cytotoxicity of acrylic resin-based materials used to fabricate interim crowns. Journal of Prosthetic Dentistry, 2020, 124, 122.e1-122.e9.	2.8	9
162	Response of pulp cells to resin infiltration of enamel white spot-like lesions. Dental Materials, 2021, 37, e329-e340.	3.5	9

#	Article	IF	Citations
163	Effect of reducing acid etching time on bond strength to noncarious and caries-affected primary and permanent dentin. Pediatric Dentistry (discontinued), 2013, 35, 199-204.	0.4	9
164	Cytotoxicity of resin-based luting cements to pulp cells. American Journal of Dentistry, 2014, 27, 237-44.	0.1	9
165	Exposed collagen in resin bonds to caries-affected dentin after dentin treatment with aqueous and alcoholic chlorhexidine solutions. Journal of Adhesive Dentistry, 2014, 16, 21-8.	0.5	9
166	Effects of Laser Irradiation on Pulp Cells Exposed to Bleaching Agents. Photochemistry and Photobiology, 2014, 90, 201-206.	2.5	8
167	The influence of photodynamic therapy parameters on the inactivation of Candida spp: in vitro and in vivo studies. Laser Physics, 2014, 24, 045601.	1.2	8
168	Functional Differences In Gingival Fibroblasts Obtained from Young and Elderly Individuals. Brazilian Dental Journal, 2016, 27, 485-491.	1.1	8
169	Transdentinal photobiostimulation of stem cells from human exfoliated primary teeth. International Endodontic Journal, 2017, 50, 549-559.	5.0	8
170	Photobiomodulation in the Metabolism of Lipopolysaccharidesâ€exposed Epithelial Cells and Gingival Fibroblasts. Photochemistry and Photobiology, 2018, 94, 598-603.	2.5	8
171	Positive influence of simvastatin used as adjuvant agent for cavity lining. Clinical Oral Investigations, 2019, 23, 3457-3469.	3.0	8
172	Proteolytic activity, degradation, and dissolution of primary and permanent teeth. International Journal of Paediatric Dentistry, 2020, 30, 650-659.	1.8	8
173	Chemotherapy drugs and inflammatory cytokines enhance matrix metalloproteinases expression by oral mucosa cells. Archives of Oral Biology, 2021, 127, 105159.	1.8	8
174	Simvastatin-Enriched Macro-Porous Chitosan-Calcium-Aluminate Scaffold for Mineralized Tissue Regeneration. Brazilian Dental Journal, 2020, 31, 385-391.	1.1	8
175	Chitosan in association with osteogenic factors as a cell-homing platform for dentin regeneration: Analysis in a pulp-in-a-chip model. Dental Materials, 2022, 38, 655-669.	3.5	8
176	Eruption Cysts in the Neonate. Journal of Clinical Pediatric Dentistry, 2008, 32, 243-246.	1.0	7
177	Influence of Restoration Type on the Cytotoxicity of a 35% Hydrogen Peroxide Bleaching Gel. Operative Dentistry, 2016, 41, 293-304.	1.2	7
178	Development of an oral mucosa equivalent using a porcine dermal matrix. British Journal of Oral and Maxillofacial Surgery, 2017, 55, 308-311.	0.8	7
179	Phenotypic markers of oral keratinocytes seeded on two distinct 3D oral mucosa models. Toxicology in Vitro, 2018, 51, 34-39.	2.4	7
180	Effects of intrapulpal temperature change induced by visible light units on the metabolism of odontoblast-like cells. American Journal of Dentistry, 2009, 22, 151-6.	0.1	7

#	Article	IF	Citations
181	Innovative strategy for in-office tooth bleaching using violet LED and biopolymers as H2O2 catalysts. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102886.	2.6	7
182	Cellular and tissue effects induced by photogemÂ® and red LED in photodynamic therapy. Laser Physics, 2011, 21, 229-238.	1.2	6
183	Complications from the Use of Peroxides. , 2016, , 45-79.		6
184	Influence of Zirconia-Coated Bioactive Glass on Gingival Fibroblast Behavior. Brazilian Dental Journal, 2019, 30, 333-341.	1.1	6
185	Effect of analogues of cationic peptides on dentin mineralization markers in odontoblast-like cells. Archives of Oral Biology, 2019, 103, 19-25.	1.8	6
186	Specific parameters of infrared LED irradiation promote the inhibition of oxidative stress in dental pulp cells. Archives of Oral Biology, 2021, 131, 105273.	1.8	6
187	Congenital epulis: A rare benign tumor in the newborn. Journal of the Indian Society of Pedodontics and Preventive Dentistry, 2010, 28, 230.	0.3	6
188	Low toxic effects of a whitening strip to cultured pulp cells. American Journal of Dentistry, 2013, 26, 283-5.	0.1	6
189	Biological Aspects of Dental Materials. Journal of Adhesive Dentistry, 2020, 22, 540-544.	0.5	6
190	Histological analyses of thermal effect caused by 1.2 W diode laser irradiation at rat periodontal pockets. Laser Physics, 2009, 19, 2204-2209.	1.2	5
191	Influence of thicknesses of smear layer on the transdentinal cytotoxicity and bond strength of a resin-modified glass-ionomer cement. Brazilian Dental Journal, 2012, 23, 379-386.	1.1	5
192	Zoledronic acid decreases gene expression of vascular endothelial growth factor and basic fibroblast growth factor by human epithelial cells. British Journal of Oral and Maxillofacial Surgery, 2013, 51, 971-973.	0.8	5
193	In vitrotransdentinal effect of low-level laser therapy. Laser Physics, 2013, 23, 055604.	1.2	5
194	Red LED Photobiomodulates the Metabolic Activity of Odontoblast-Like Cells. Brazilian Dental Journal, 2016, 27, 375-380.	1.1	5
195	Cytotoxic effects of new MTA-based cement formulations on fibroblast-like MDPL-20 cells. Brazilian Oral Research, 2016, 30, .	1.4	5
196	Effect of crosslinkers on bond strength stability of fiber posts to root canal dentin and in situ proteolytic activity. Journal of Prosthetic Dentistry, 2018, 119, 494.e1-494.e9.	2.8	5
197	Photobiomodulation effect of red LED (630 nm) on the free radical levels produced by pulp cells under stress conditions. Lasers in Medical Science, 2022, 37, 607-617.	2.1	5
198	Influence of bisphosphonates on oral implantology: Sodium alendronate and zoledronic acid enhance the synthesis and activity of matrix metalloproteinases by gingival fibroblasts seeded on titanium. Archives of Oral Biology, 2021, 127, 105134.	1.8	5

#	Article	IF	Citations
199	Influence of Bisphosphonates on the Behavior of Osteoblasts Seeded Onto Titanium Discs. Brazilian Dental Journal, 2020, 31, 304-309.	1.1	5
200	Cytocompatibility and bioactivity of calcium hydroxide-containing nanofiber scaffolds loaded with fibronectin for dentin tissue engineering. Clinical Oral Investigations, 2022, 26, 4031-4047.	3.0	5
201	Strategy for reducing cytotoxicity and obtaining esthetic efficacy with 15Âmin of in-office dental bleaching. Clinical Oral Investigations, 2022, 26, 4099-4108.	3.0	5
202	Pro-inflammatory mediators expression by pulp cells following tooth whitening on restored enamel surface. Brazilian Dental Journal, 2022, 33, 83-90.	1.1	5
203	Biostimulatory effects of low-level laser therapy on epithelial cells and gingival fibroblasts treated with zoledronic acid. Laser Physics, 2013, 23, 055601.	1.2	4
204	Nutritional deprivation and LPS exposure as feasible methods for induction of cellular â€" A methodology to validate for vitro photobiomodulation studies. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 205-210.	3.8	4
205	The Primary Pulp: Developmental and Biomedical Background. , 2016, , 7-22.		4
206	Biostimulatory effects of simvastatin on MDPC-23 odontoblast-like cells. Brazilian Oral Research, 2017, 31, e104.	1.4	4
207	Influence of adhesive restorations on diffusion of H2O2 released from a bleaching agent and its toxic effects on pulp cells. Journal of Adhesive Dentistry, 2014, 16, 123-8.	0.5	4
208	Proteolytic activity and degradation of bovine versus human dentin matrices. Journal of Applied Oral Science, 2021, 29, e20210290.	1.8	4
209	Regulation of interleukin-6 and matrix metalloproteinases syntheses by bioflavonoids and photobiomodulation in human gingival fibroblasts. Lasers in Medical Science, 2022, 37, 2973-2987.	2.1	4
210	Comparative histopathological analysis of human pulps after class I cavity preparation with a high-speed air-turbine handpiece or Er:YAG laser. Laser Physics, 2008, 18, 1562-1569.	1.2	3
211	Synthesis of dental matrix proteins and viability of odontoblast-like cells irradiated with blue LED. Lasers in Medical Science, 2016, 31, 523-530.	2.1	3
212	â€œMetabolism of Odontoblast-like cells submitted to transdentinal irradiation with blue and red LEDâ€• Archives of Oral Biology, 2017, 83, 258-264.	1.8	3
213	In vitro effects of photobiomodulation applied to gingival fibroblasts cultured on titanium and zirconia surfaces and exposed to LPS from Escherichia coli. Lasers in Medical Science, 2020, 35, 2031-2038.	2.1	3
214	Responses of dental pulp cells to a less invasive bleaching technique applied to adhesive-restored teeth. Journal of Adhesive Dentistry, 2015, 17, 155-61.	0.5	3
215	Influence of the activation mode of a self-etch resin-based luting cement upon the metabolism of odontoblast-like cells. American Journal of Dentistry, 2011, 24, 233-8.	0.1	3
216	Human Pulpal Responses to Peroxides. , 2016, , 81-97.		2

#	Article	IF	Citations
217	Metabolic activity of odontoblast-like cells irradiated with blue LED (455Ânm). Lasers in Medical Science, 2016, 31, 119-125.	2.1	2
218	Effects of EGF-coated titanium surfaces on adhesion and metabolism of bisphosphonate-treated human keratinocytes and gingival fibroblasts. Clinical Oral Investigations, 2021, 25, 5775-5784.	3.0	2
219	Dose- and time-dependent effects of taxifolin on viability and mineralization markers of osteoblast-like cells. Brazilian Oral Research, 2021, 35, e140.	1.4	2
220	Mineralâ€induced bubbling effect and biomineralization as strategies to create highly porous and bioactive scaffolds for dentin tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1757-1770.	3.4	2
221	Influence of ceramic veneer on the transdentinal cytotoxicity, degree of conversion and bond strength of light-cured resin cements to dentin. Dental Materials, 2022, 38, e160-e173.	3.5	2
222	Inhibition of osteoblast activity by zoledronic acid. Jornal Brasileiro De Patologia E Medicina Laboratorial, 2013, 49, 368-371.	0.3	1
223	Bioactivity effects of extracellular matrix proteins on apical papilla cells. Journal of Applied Oral Science, 2021, 29, e20210038.	1.8	1
224	Photobiomodulation using LLLT and LED of cells involved in osseointegration and peri-implant soft tissue healing. Lasers in Medical Science, 2021, , 1.	2.1	1
225	Effect of Time and Temperature of Air Jet on the Mechanical and Biological Behavior of a Universal Adhesive System. Operative Dentistry, 2022, 47, 87-96.	1.2	1
226	Uninfiltrated Collagen in Hybrid Layers produced after Reduced Acid-etching Time on Primary and Permanent Dentin. Journal of Contemporary Dental Practice, 2016, 17, 861-866.	0.5	1
227	Proliferation rate and expression of stem cells markers during expansion in primary culture of pulp cells. Brazilian Oral Research, 2021, 35, e128.	1.4	1