

# Carlo Prati

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1515815/publications.pdf>

Version: 2024-02-01

191  
papers

9,111  
citations

28274

55  
h-index

53230

85  
g-index

196  
all docs

196  
docs citations

196  
times ranked

5967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium silicate bioactive cements: Biological perspectives and clinical applications. <i>Dental Materials</i> , 2015, 31, 351-370.	3.5	357
2	Degree of conversion and permeability of dental adhesives. <i>European Journal of Oral Sciences</i> , 2005, 113, 525-530.	1.5	277
3	A challenge to the conventional wisdom that simultaneous etching and resin infiltration always occurs in self-etch adhesives. <i>Biomaterials</i> , 2005, 26, 1035-1042.	11.4	245
4	Apatite-forming ability (bioactivity) of ProRoot MTA. <i>International Endodontic Journal</i> , 2010, 43, 917-929.	5.0	203
5	Chemical-physical properties of TheraCal, a novel light-curable MTA-like material for pulp capping. <i>International Endodontic Journal</i> , 2012, 45, 571-579.	5.0	187
6	Apatite formation on bioactive calcium-silicate cements for dentistry affects surface topography and human marrow stromal cells proliferation. <i>Dental Materials</i> , 2010, 26, 974-992.	3.5	165
7	Calcium Silicate and Calcium Hydroxide Materials for Pulp Capping: Biointeractivity, Porosity, Solubility and Bioactivity of Current Formulations. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 43-60.	1.6	158
8	Effect of simulated pulpal pressure on dentin permeability and adhesion of self-etch adhesives. <i>Dental Materials</i> , 2007, 23, 705-713.	3.5	144
9	Sorption and solubility of resin-based restorative dental materials. <i>Journal of Dentistry</i> , 2003, 31, 43-50.	4.1	139
10	Evaluation of bacterial adhesion of <i>Streptococcus mutans</i> on dental restorative materials. <i>Biomaterials</i> , 2004, 25, 4457-4463.	11.4	131
11	SEM evaluation of canal wall dentine following use of Mtwo and ProTaper NiTi rotary instruments. <i>International Endodontic Journal</i> , 2004, 37, 832-839.	5.0	127
12	Effect of UVA-activated Riboflavin on Dentin Bonding. <i>Journal of Dental Research</i> , 2011, 90, 1439-1445.	5.2	127
13	Effect of removal of surface collagen fibrils on resin-dentin bonding. <i>Dental Materials</i> , 1999, 15, 323-331.	3.5	126
14	Properties of BioRoot RCS, a tricalcium silicate endodontic sealer modified with povidone and polycarboxylate. <i>International Endodontic Journal</i> , 2017, 50, e120-e136.	5.0	124
15	In vivo and in vitro Permeability of One-step Self-etch Adhesives. <i>Journal of Dental Research</i> , 2004, 83, 459-464.	5.2	119
16	Effect of resin hydrophilicity and temperature on water sorption of dental adhesive resins. <i>Biomaterials</i> , 2006, 27, 1695-1703.	11.4	118
17	Setting time and expansion in different soaking media of experimental accelerated calcium-silicate cements and ProRoot MTA. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, e39-e45.	1.4	118
18	Development of the foremost light-curable calcium-silicate MTA cement as root-end in oral surgery. Chemical-physical properties, bioactivity and biological behavior. <i>Dental Materials</i> , 2011, 27, e134-e157.	3.5	118

#	ARTICLE	IF	CITATIONS
19	HyFlex <sc>EDM</sc>: superficial features, metallurgical analysis and fatigue resistance of innovative electro discharge machined NiTi rotary instruments. International Endodontic Journal, 2016, 49, 483-493.	5.0	118
20	Biomimetic remineralization of human dentin using promising innovative calcium-silicate hybrid &œsmart&œ materials. Dental Materials, 2011, 27, 1055-1069.	3.5	113
21	Environmental Scanning Electron Microscopy Connected with Energy Dispersive X-ray Analysis and Raman Techniques to Study ProRoot Mineral Trioxide Aggregate and Calcium Silicate Cements in Wet Conditions and in Real Time. Journal of Endodontics, 2010, 36, 851-857.	3.1	111
22	Periodontal health improves systemic inflammatory and haemostatic status in subjects with coronary heart disease. Journal of Clinical Periodontology, 2005, 32, 188-192.	4.9	110
23	Poor oral health is associated with coronary heart disease and elevated systemic inflammatory and haemostatic factors. Journal of Clinical Periodontology, 2004, 31, 25-29.	4.9	103
24	3<sc>D</sc> micro&œ<sc>CT</sc> analysis of the interface voids associated with <sc>T</sc>hermafil root fillings used with <sc>AH P</sc>lus or a flowable <sc>MTA</sc> sealer. International Endodontic Journal, 2013, 46, 253-263.	5.0	102
25	Physical Properties of MTA Fillapex Sealer. Journal of Endodontics, 2013, 39, 915-918.	3.1	102
26	Ion Release, Porosity, Solubility, and Bioactivity of MTA Plus Tricalcium Silicate. Journal of Endodontics, 2014, 40, 1632-1637.	3.1	99
27	Detection of bacteria in endodontic samples by polymerase chain reaction assays and association with defined clinical signs in Italian patients. Oral Microbiology and Immunology, 2005, 20, 289-295.	2.8	97
28	Kinetics of apatite formation on a calcium-silicate cement for root-end filling during ageing in physiological-like phosphate solutions. Clinical Oral Investigations, 2010, 14, 659-668.	3.0	91
29	Molecular detection of Treponema denticola and Porphyromonas gingivalis in carotid and aortic atheromatous plaques by FISH: report of two cases. Journal of Medical Microbiology, 2005, 54, 93-96.	1.8	87
30	Properties of a novel polysiloxane-guttapercha calcium silicate-bioglass-containing root canal sealer. Dental Materials, 2016, 32, e113-e126.	3.5	87
31	Hydrostatic intrapulpal pressure and bond strength of bonding systems. Dental Materials, 1991, 7, 54-58.	3.5	85
32	Biomimetic Calcium-Silicate Cements Support Differentiation of Human Orofacial Mesenchymal Stem Cells. Journal of Endodontics, 2011, 37, 1102-1108.	3.1	83
33	Factors contributing to the incompatibility between simplified-step adhesives and self-cured or dual-cured composites. Part II. Single-bottle, total-etch adhesive. Journal of Adhesive Dentistry, 2003, 5, 91-105.	0.5	83
34	Polymerization kinetics of dental adhesives cured with LED: Correlation between extent of conversion and permeability. Dental Materials, 2007, 23, 1066-1072.	3.5	82
35	Does Hybridization of Intraradicular Dentin Really Improve Fiber Post Retention in Endodontically Treated Teeth?. Journal of Endodontics, 2005, 31, 891-894.	3.1	81
36	Resin-infiltrated dentin layer formation of new bonding systems. Operative Dentistry, 1998, 23, 185-94.	1.2	79

#	ARTICLE	IF	CITATIONS
37	Biointeractivity-related versus chemi/physisorption-related apatite precursor-forming ability of current root end filling materials. , 2013, 101, 1107-1123.		77
38	Permeability and Morphology of Dentin after Erosion Induced by Acidic Drinks. Journal of Periodontology, 2003, 74, 428-436.	3.4	75
39	Effectiveness of Three Different Retreatment Techniques in Canals Filled With Compacted Gutta-Percha or Thermafil: A Scanning Electron Microscope Study. Journal of Endodontics, 2009, 35, 1433-1440.	3.1	74
40	PLA-Based Mineral-Doped Scaffolds Seeded with Human Periapical Cyst-Derived MSCs: A Promising Tool for Regenerative Healing in Dentistry. Materials, 2019, 12, 597.	2.9	74
41	<i>Treponema denticola</i> in Disseminating Endodontic Infections. Journal of Dental Research, 2006, 85, 761-765.	5.2	72
42	Water movement in the hybrid layer after different dentin treatments. Dental Materials, 2004, 20, 796-803.	3.5	71
43	Calcium silicate/calcium phosphate biphasic cements for vital pulp therapy: chemical-physical properties and human pulp cells response. Clinical Oral Investigations, 2015, 19, 2075-2089.	3.0	71
44	COVID-19: its impact on dental schools in Italy, clinical problems in endodontic therapy and general considerations. International Endodontic Journal, 2020, 53, 723-725.	5.0	71
45	In vivo Fluid Movement through Dentin Adhesives in Endodontically Treated Teeth. Journal of Dental Research, 2005, 84, 223-227.	5.2	70
46	New Portland Cement-based Materials for Endodontics Mixed with Articaine Solution: A Study of Cellular Response. Journal of Endodontics, 2008, 34, 39-44.	3.1	70
47	Properties of NeoMTA Plus and MTA Plus cements for endodontics. International Endodontic Journal, 2017, 50, e83-e94.	5.0	70
48	Properties of calcium silicate-monobasic calcium phosphate materials for endodontics containing tantalum pentoxide and zirconium oxide. Clinical Oral Investigations, 2019, 23, 445-457.	3.0	68
49	Structural analysis of HyFlex EDM instruments. International Endodontic Journal, 2017, 50, 303-313.	5.0	67
50	MTA and F-doped MTA cements used as sealers with warm gutta-percha. Long-term study of sealing ability. International Endodontic Journal, 2010, 43, 889-901.	5.0	66
51	Nanoleakage within the hybrid layer: A correlative FEISEM/TEM investigation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 73B, 7-14.	3.4	63
52	Effect of Two In-office Whitening Agents on the Enamel Surface In Vivo: A Morphological and Non-contact Profilometric Study. Operative Dentistry, 2008, 33, 127-134.	1.2	62
53	Dentin wetness, permeability and thickness and bond strength of adhesive systems. American Journal of Dentistry, 1992, 5, 33-8.	0.1	61
54	Osmotic Blistering in Enamel Bonded with One-step Self-etch Adhesives. Journal of Dental Research, 2004, 83, 290-295.	5.2	58

#	ARTICLE	IF	CITATIONS
55	Polylactic acid-based porous scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for biomedical application. <i>Materials Science and Engineering C</i> , 2018, 82, 163-181.	7.3	58
56	A preliminary analysis of the morphology of lateral canals after root canal filling using a tooth-clearing technique. <i>International Endodontic Journal</i> , 2003, 36, 54-63.	5.0	57
57	Fluoride release and absorption at different pH from glass-ionomer cements. <i>Dental Materials</i> , 2006, 22, 441-449.	3.5	57
58	Osteoinductive potential and bone-bonding ability of ProRoot MTA, MTA Plus and Biodentine in rabbit intramedullary model: Microchemical characterization and histological analysis. <i>Dental Materials</i> , 2017, 33, e221-e238.	3.5	57
59	Innovative silicate-based cements for endodontics: A study of osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 477-486.	4.0	56
60	New Tetrasilicate Cements as Retrograde Filling Material: An In Vitro Study on Fluid Penetration. <i>Journal of Endodontics</i> , 2007, 33, 742-745.	3.1	55
61	Dynamic sealing ability of MTA root canal sealer. <i>International Endodontic Journal</i> , 2011, 44, 9-20.	5.0	55
62	Appearance of the root canal walls after preparation with NiTi rotary instruments: a comparative SEM investigation. <i>Clinical Oral Investigations</i> , 2004, 8, 102-110.	3.0	54
63	Proroot Mineral Trioxide Aggregate Cement Used as a Retrograde Filling without Addition of Water: An In Vitro Evaluation of Its Microleakage. <i>Journal of Endodontics</i> , 2007, 33, 1082-1085.	3.1	53
64	Ageing of calcium silicate cements for endodontic use in simulated body fluids: a micro-Raman study. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1858-1866.	2.5	53
65	Chemical-physical properties of experimental root canal sealers based on butyl ethylene glycol disalicylate and MTA. <i>Dental Materials</i> , 2013, 29, 1287-1294.	3.5	53
66	Permeability and microleakage of Class II resin composite restorations. <i>Journal of Dentistry</i> , 1994, 22, 49-56.	4.1	52
67	Mineral-Doped Poly(L-lactide) Acid Scaffolds Enriched with Exosomes Improve Osteogenic Commitment of Human Adipose-Derived Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2020, 10, 432.	4.1	52
68	Relationship between bond strength and microleakage measured in the same Class I restorations. <i>Dental Materials</i> , 1992, 8, 37-41.	3.5	51
69	Antibacterial effectiveness of dentin bonding systems. <i>Dental Materials</i> , 1993, 9, 338-343.	3.5	51
70	Oxalate-containing phytocomplexes as dentine desensitisers: An in vitro study. <i>Archives of Oral Biology</i> , 2006, 51, 655-664.	1.8	49
71	Reduced Antigenicity of Type I Collagen and Proteoglycans in Sclerotic Dentin. <i>Journal of Dental Research</i> , 2006, 85, 133-137.	5.2	49
72	Cyclic Fatigue Testing and Metallographic Analysis of Nickel-Titanium Rotary Instruments. <i>Journal of Endodontics</i> , 2011, 37, 1013-1016.	3.1	49

#	ARTICLE	IF	CITATIONS
73	Technique sensitivity associated with air-drying of HEMA-free, single-bottle, one-step self-etch adhesives. <i>Dental Materials</i> , 2007, 23, 498-505.	3.5	47
74	Alpha-TCP improves the apatite-formation ability of calcium-silicate hydraulic cement soaked in phosphate solutions. <i>Materials Science and Engineering C</i> , 2011, 31, 1412-1422.	7.3	47
75	Wear and metallographic analysis of WaveOne and reciproc NiTi instruments before and after three uses in root canals. <i>Scanning</i> , 2014, 36, 517-525.	1.5	47
76	Highly porous polycaprolactone scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 102, 341-361.	7.3	47
77	Early marginal leakage and shear bond strength of adhesive restorative systems. <i>Dental Materials</i> , 1990, 6, 195-200.	3.5	46
78	Electron microscopic detection of salivary $\alpha$ -amylase in the pellicle formed <i>in situ</i> . <i>European Journal of Oral Sciences</i> , 2004, 112, 503-509.	1.5	46
79	An In Vitro Model to Investigate Filling of Lateral Canals. <i>Journal of Endodontics</i> , 2005, 31, 877-881.	3.1	46
80	Fluoride-containing nanoporous calcium-silicate MTA cements for endodontics and oral surgery: early fluorapatite formation in a phosphate-containing solution. <i>International Endodontic Journal</i> , 2011, 44, 938-949.	5.0	45
81	A between-patient disinfection method to control water line contamination and biofilm inside dental units. <i>Journal of Hospital Infection</i> , 2004, 56, 297-304.	2.9	44
82	Effects of citric acid and EDTA conditioning on exposed root dentin: An immunohistochemical analysis of collagen and proteoglycans. <i>Archives of Oral Biology</i> , 2007, 52, 1-8.	1.8	42
83	Vibrational study on the bioactivity of Portland cement-based materials for endodontic use. <i>Journal of Molecular Structure</i> , 2009, 924-926, 548-554.	3.6	42
84	The response of cementoblasts to calcium phosphate resin-based and calcium silicate-based commercial sealers. <i>International Endodontic Journal</i> , 2013, 46, 242-252.	5.0	42
85	In Vitro Screening of the Apatite-Forming Ability, Biointeractivity and Physical Properties of a Tricalcium Silicate Material for Endodontics and Restorative Dentistry. <i>Dentistry Journal</i> , 2013, 1, 41-60.	2.3	42
86	Scanning electron microscopic evaluation of different endodontic procedures on dentin morphology of human teeth. <i>Journal of Endodontics</i> , 1994, 20, 174-179.	3.1	40
87	Physicochemical properties of calcium silicate-based formulations MTA Repair HP and MTA Vitalcem. <i>Journal of Applied Oral Science</i> , 2018, 26, e2017115.	1.8	40
88	Ability of restorative and fluoride releasing materials to prevent marginal dentine demineralization. <i>Biomaterials</i> , 2004, 25, 1011-1017.	11.4	39
89	Metallurgical analysis and fatigue resistance of WaveOne and ProTaper Nickel-Titanium instruments. <i>Odontology / the Society of the Nippon Dental University</i> , 2014, 102, 211-216.	1.9	37
90	Dentine permeability and bond quality as affected by new bonding systems. <i>Journal of Dentistry</i> , 1995, 23, 217-226.	4.1	36

#	ARTICLE	IF	CITATIONS
91	Effect of air, dentin and resin-based composite thickness on light intensity reduction. American Journal of Dentistry, 1999, 12, 231-4.	0.1	36
92	Vibrational investigation of calcium-silicate cements for endodontics in simulated body fluids. Journal of Molecular Structure, 2011, 993, 367-375.	3.6	34
93	Long-term outcome of non-surgical root canal treatment: a retrospective analysis. Odontology / the Society of the Nippon Dental University, 2015, 103, 185-193.	1.9	34
94	Early marginal microleakage in class II resin composite restorations. Dental Materials, 1989, 5, 392-398.	3.5	33
95	Symptomatic and asymptomatic apical periodontitis associated with red complex bacteria: clinical and microbiological evaluation. Odontology / the Society of the Nippon Dental University, 2013, 101, 84-88.	1.9	33
96	A 20-year historical prospective cohort study of root canal treatments. A Multilevel analysis. International Endodontic Journal, 2018, 51, 955-968.	5.0	33
97	Dentin Morphology and Permeability After Brushing With Different Toothpastes in the Presence and Absence of Smear Layer. Journal of Periodontology, 2002, 73, 183-190.	3.4	32
98	Immunocytochemical analysis of dentin: A double-labeling technique. Journal of Biomedical Materials Research Part B, 2003, 67A, 11-17.	3.1	32
99	Single-bottle adhesives behave as permeable membranes after polymerisation. II. Differential permeability reduction with an oxalate desensitiser. Journal of Dentistry, 2006, 34, 106-116.	4.1	32
100	In vivo enamel fluid movement. European Journal of Oral Sciences, 2007, 115, 169-173.	1.5	32
101	Demineralization, Collagen Modification and Remineralization Degree of Human Dentin after EDTA and Citric Acid Treatments. Materials, 2019, 12, 25.	2.9	31
102	Thickness and morphology of resin-infiltrated dentin layer in young, old, and sclerotic dentin. Operative Dentistry, 1999, 24, 66-72.	1.2	31
103	Measurement of dentin permeability and wetness by use of the periotron device. Dental Materials, 1991, 7, 268-273.	3.5	30
104	Treatment of cervical dentin hypersensitivity with resin adhesives: 4-week evaluation. American Journal of Dentistry, 2001, 14, 378-82.	0.1	30
105	Immunohistochemical analysis of collagen fibrils within the hybrid layer: a FEISEM study. Operative Dentistry, 2004, 29, 538-46.	1.2	30
106	Microhardness of acid-treated and resin infiltrated human dentine. Journal of Dentistry, 2005, 33, 349-354.	4.1	29
107	Shear bond strength and microleakage of dentin bonding systems. Journal of Prosthetic Dentistry, 1991, 65, 401-407.	2.8	28
108	Effects of dentin surface treatments on the shear bond strength of vitrabond. Dental Materials, 1992, 8, 21-26.	3.5	27

#	ARTICLE	IF	CITATIONS
109	What is the clinical relevance of in vitro dentine permeability tests?. Journal of Dentistry, 1994, 22, 83-88.	4.1	27
110	Antibiotics or No Antibiotics, That Is the Question: An Update on Efficient and Effective Use of Antibiotics in Dental Practice. Antibiotics, 2021, 10, 550.	3.7	27
111	Survival and periapical health after root canal treatment with carrier-based root fillings: five-year retrospective assessment. International Endodontic Journal, 2018, 51, e178-e188.	5.0	26
112	Risks of Aerosol Contamination in Dental Procedures during the Second Wave of COVID-19 Experience and Proposals of Innovative IPC in Dental Practice. International Journal of Environmental Research and Public Health, 2020, 17, 8954.	2.6	26
113	The use of calcium-silicate cements to reduce dentine permeability. Archives of Oral Biology, 2012, 57, 1054-1061.	1.8	25
114	Water uptake of bonding systems applied on root dentin surfaces: A SEM and confocal microscopic study. Dental Materials, 2006, 22, 671-680.	3.5	24
115	In vivo effects of fluoride on enamel permeability. Clinical Oral Investigations, 2011, 15, 443-449.	3.0	22
116	Effect of the fluoride content on the bioactivity of calcium silicate-based endodontic cements. Ceramics International, 2014, 40, 4095-4107.	4.8	22
117	Permeability of marginal hybrid layers in composite restorations. Clinical Oral Investigations, 2005, 9, 1-7.	3.0	21
118	Development of experimental HEMA-free three-step adhesive system. Journal of Dentistry, 2010, 38, 503-508.	4.1	21
119	Effects of acid and cleansing agents on shear bond strength and marginal microleakage of glass-ionomer cements. Dental Materials, 1989, 5, 260-265.	3.5	20
120	A new approach in self-etching adhesive formulations: Replacing HEMA for surfactant dimethacrylate monomers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 51-57.	3.4	20
121	Effects of long-term water storage on the microtensile bond strength of five experimental self-etching adhesives based on surfactants rather than HEMA. Clinical Oral Investigations, 2013, 17, 833-839.	3.0	20
122	Outcome of secondary root canal treatment filled with Thermafil: a 5-year follow-up of retrospective cohort study. Clinical Oral Investigations, 2018, 22, 1363-1373.	3.0	19
123	Push-out strength of modified Portland cements and resins. American Journal of Dentistry, 2010, 23, 43-6.	0.1	19
124	Vascular Wall Mesenchymal Stem Cells Differentiation on 3D Biodegradable Highly Porous CaSi-DCPD Doped Poly ( $\beta$ -hydroxy) Acids Scaffolds for Bone Regeneration. Nanomaterials, 2020, 10, 243.	4.1	18
125	Merkel Cells in the Oral Mucosa. International Journal of Surgical Pathology, 2006, 14, 206-211.	0.8	17
126	The influence of smear layer in lateral channels filling. Clinical Oral Investigations, 2007, 11, 353-359.	3.0	17



#	ARTICLE	IF	CITATIONS
127	Use of Calcium-containing Endodontic Sealers as Apical Barrier in Fluid-contaminated Wide-open Apices. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2014, 12, 263-270.	1.6	17
128	3D Finite Element Analysis of Rotary Instruments in Root Canal Dentine with Different Elastic Moduli. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2547.	2.5	17
129	Wear analysis and cyclic fatigue resistance of electro discharge machined NiTi rotary instruments. <i>Giornale Italiano Di Endonzia</i> , 2016, 30, 64-68.	0.3	16
130	A 3-Year Prospective Cohort Study on 132 Calcium Phosphate-“Blasted Implants: Flap vs Flapless Technique. <i>International Journal of Oral and Maxillofacial Implants</i> , 2016, 31, 413-423.	1.4	16
131	Double dye technique and fluid filtration test to evaluate early sealing ability of an endodontic sealer. <i>Clinical Oral Investigations</i> , 2017, 21, 1267-1276.	3.0	16
132	Dentin permeability after toothbrushing with different toothpastes. <i>American Journal of Dentistry</i> , 1999, 12, 190-3.	0.1	16
133	Biomimetic calcium-silicate cements aged in simulated body solutions. Osteoblast response and analyses of apatite coating. <i>Journal of Applied Biomaterials and Biomechanics</i> , 2009, 7, 160-70.	0.4	16
134	In vitro evaluation of the effects of a fluoride-releasing composite on enamel demineralization around brackets. <i>Progress in Orthodontics</i> , 2012, 13, 10-16.	3.5	15
135	Microchemical and Micromorphologic ESEM-EDX Analysis of Bone Mineralization at the Thread Interface in Human Dental Implants Retrieved for Mechanical Complications After 2 Months to 17 Years. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2018, 38, 431-441.	1.0	15
136	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.	3.0	15
137	The Use of ESEM-EDX as an Innovative Tool to Analyze the Mineral Structure of Peri-Implant Human Bone. <i>Materials</i> , 2020, 13, 1671.	2.9	15
138	The fate of root canals obturated with Thermafil: 10-year data for patients treated in a master’s program. <i>Clinical Oral Investigations</i> , 2019, 23, 3367-3377.	3.0	13
139	Retention and marginal adaptation of a compomer placed in non-stress-bearing areas used with the total-etch technique: a 3-year retrospective study. <i>Clinical Oral Investigations</i> , 1998, 2, 168-173.	3.0	12
140	Enamel microhardness after in vitro demineralization and role of different restorative materials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 349-357.	3.5	12
141	A poly(2-hydroxyethyl methacrylate)-based resin improves the dentin remineralizing ability of calcium silicates. <i>Materials Science and Engineering C</i> , 2017, 77, 755-764.	7.3	12
142	An in vitro study on dentin demineralization and remineralization: Collagen rearrangements and influence on the enucleated phase. <i>Journal of Inorganic Biochemistry</i> , 2019, 193, 84-93.	3.5	12
143	Shear bond strength and SEM evaluation of dentinal bonding systems. <i>American Journal of Dentistry</i> , 1990, 3, 283-8.	0.1	12
144	Marginal morphology of Class V composite restorations. <i>American Journal of Dentistry</i> , 1997, 10, 231-6.	0.1	12

#	ARTICLE	IF	CITATIONS
145	Detection of <i>Treponema denticola</i> in root canal systems in primary and secondary endodontic infections. A correlation with clinical symptoms. <i>New Microbiologica</i> , 2008, 31, 67-73.	0.1	12
146	Micro-Topography and Reactivity of Implant Surfaces: An <i>In Vitro</i> Study in Simulated Body Fluid (SBF). <i>Microscopy and Microanalysis</i> , 2015, 21, 190-203.	0.4	11
147	Immediate Early and Delayed Implants. <i>Implant Dentistry</i> , 2017, 26, 654-663.	1.3	11
148	Green Hydrogels Composed of Sodium Mannuronate/Guluronate, Gelatin and Biointeractive Calcium Silicates/Dicalcium Phosphate Dihydrate Designed for Oral Bone Defects Regeneration. <i>Nanomaterials</i> , 2021, 11, 3439.	4.1	11
149	Effects of chemical pretreatments on dentin bonding. <i>American Journal of Dentistry</i> , 1990, 3, 199-206.	0.1	10
150	Differential hydrolytic degradation of dentin bonds when luting carbon fiber posts to the root canal. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2011, 16, e411-e417.	1.7	9
151	Secondary Root Canal Treatment with Reciproc Blue and K-File: Radiographic and ESEM-EDX Analysis of Dentin and Root Canal Filling Remnants. <i>Journal of Clinical Medicine</i> , 2020, 9, 1902.	2.4	9
152	The effect of ultrasonic removal of various root-end filling materials. <i>International Endodontic Journal</i> , 2009, 42, 1015-1025.	5.0	8
153	ToF-SIMS images and spectra of biomimetic calcium silicate-based cements after storage in solutions simulating the effects of human biological fluids. <i>International Journal of Mass Spectrometry</i> , 2010, 289, 150-161.	1.5	8
154	The central region of the <i>msp</i> gene of <i>Treponema denticola</i> has sequence heterogeneity among clinical samples, obtained from patients with periodontitis. <i>BMC Infectious Diseases</i> , 2010, 10, 345.	2.9	8
155	A Multilevel Analysis of Platform-Switching Flapless Implants Placed at Tissue Level: 4-year Prospective Cohort Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2020, 35, 330-341.	1.4	8
156	Resistance of marginal enamel to acid solubility is influenced by restorative systems: an in vitro scanning electron microscopic study. <i>Clinical Oral Investigations</i> , 2003, 7, 86-91.	3.0	7
157	Hydroxyethyl-methacrylate dentin bonding agents: Shear bond strength, marginal microleakage and SEM analysis. <i>Clinical Materials</i> , 1991, 8, 137-143.	0.5	6
158	Mineralogical and crystallographical study of $\hat{1}^3$ -calcium oxalate on dentine surfaces in vitro. <i>Archives of Oral Biology</i> , 1994, 39, S152.	1.8	6
159	Root canal treatment of compromised teeth as alternative treatment for patients receiving bisphosphonates: 60-month results of a prospective clinical study. <i>International Endodontic Journal</i> , 2021, 54, 156-171.	5.0	6
160	Virucidal activity in vitro of mouthwashes against a feline coronavirus type II. <i>Oral Diseases</i> , 2022, 28, 2492-2499.	3.0	6
161	Marginal hybrid layer in Class V restorations. <i>Operative Dentistry</i> , 2000, 25, 228-33.	1.2	6
162	In-depth metallurgical and microstructural analysis of OneShape and heat treated OneCurve instruments. <i>European Endodontic Journal</i> , 2021, 6, 90-97.	0.6	5

#	ARTICLE	IF	CITATIONS
163	Next-Generation Sequencing Analysis of Root Canal Microbiota Associated with a Severe Endodontic-Periodontal Lesion. <i>Diagnostics</i> , 2021, 11, 1461.	2.6	5
164	Effects of heat on seven endodontic sealers. <i>Journal of Oral Science</i> , 2022, 64, 33-39.	1.7	5
165	<i>In vitro</i> virucidal activity of mouthwashes on SARS-CoV-2. <i>Oral Diseases</i> , 2022, 28, 2509-2515.	3.0	5
166	Effects of desensitizing toothpastes on dentine permeability. <i>Archives of Oral Biology</i> , 1994, 39, S144.	1.8	4
167	Micro-Nano Surface Characterization and Bioactivity of a Calcium Phosphate-Incorporated Titanium Implant Surface. <i>Journal of Functional Biomaterials</i> , 2021, 12, 3.	4.4	4
168	Combining apical torsional load and cyclic fatigue resistance of NiTi instruments: New approach to determine the effective lifespan of rotary instruments. <i>Australian Endodontic Journal</i> , 2021, 47, 429-434.	1.5	4
169	Rehabilitation of anterior maxilla with a novel hyperbolic profile transmucosal implant in elderly patients. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2019, 68, 249-258.	1.3	4
170	Evaluation of the root filling quality with experimental carrier-based obturators: a CLSM and FEG-SEM analysis. <i>Australian Endodontic Journal</i> , 2021, , .	1.5	4
171	Advances in In Vitro Testing Techniques for Dentine Hypersensitivity. , 2015, , 71-83.		3
172	Properties of a novel polydimethylsiloxane endodontic sealer. <i>Giornale Italiano Di Endodonzia</i> , 2017, 31, 35-43.	0.3	3
173	Addition of phosphates and chlorhexidine to resin-modified MTA materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2195-2201.	3.4	3
174	SEM evaluation of root canal dentin morphology after Ni-Ti instrumentation. <i>Journal of Applied Biomaterials and Biomechanics</i> , 2009, 7, 116-22.	0.4	3
175	Cell-mediated immunity, malnutrition and plasma zinc levels in adult coeliac disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1988, 3, 577-581.	2.8	2
176	Need for Procedural Details in Detection of Periodontopathic Bacterial DNA in the Atheromatous Plaque by PCR. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4914-4915.	3.9	2
177	The double origin of enamel fluid. <i>European Journal of Oral Sciences</i> , 2007, 115, 523-524.	1.5	2
178	Cyclic fatigue resistance of Nickel-Titanium reciprocating instruments tested with an innovative kinematics. <i>Giornale Italiano Di Endodonzia</i> , 2018, 32, 42-46.	0.3	2
179	Spectroscopic and morphological data assessing the apatite-forming ability of calcium hydroxide-releasing materials for pulp capping. <i>Data in Brief</i> , 2019, 23, 103719.	1.0	2
180	Maryland-bridge application as a suitable technique to preserve marginal bone level of not-submerged supracrestal implants. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2021, 69, 335-342.	1.3	2

#	ARTICLE	IF	CITATIONS
181	Retreatment of Experimental Carrier-Based Obturators with the Remover NiTi Instrument: Evaluation of Apical Extrusion and Effects of New Kinematics. <i>International Journal of Dentistry</i> , 2021, 2021, 1-7.	1.5	2
182	Erratum to "A between-patient disinfection method to control water line contamination and biofilm inside dental units" [ <i>Journal of Hospital Infection</i> 56 (2004) 297-304]. <i>Journal of Hospital Infection</i> , 2004, 58, 94-95.	2.9	1
183	In vitro and in vivo adhesion in operative dentistry: a review and evaluation. <i>Practical Periodontics and Aesthetic Dentistry</i> , 1998, 10, 319-27; quiz 328.	0.0	1
184	Prognosis of root canal treatments filled with Thermafil system: a 5-year retrospective study. <i>Giornale Italiano Di Endodonzia</i> , 2016, 30, 46-51.	0.3	0
185	Apical surgery vs apical surgery with simultaneous orthograde retreatment: A prospective cohort clinical study of teeth affected by persistent periapical lesion. <i>Giornale Italiano Di Endodonzia</i> , 2018, 32, 2-8.	0.3	0
186	Glass-Ionomer Cements as Base for Composite Restorations. , 1992, , 270-274.		0
187	Dental Ceramics and Composite Resins as Restorative Materials. , 1992, , 256-259.		0
188	Reinforced Silver Glass-Ionomer Cement and Light-Cured H.E.M.A. Glass-Ionomer Cement Under Silver-Amalgam Restorations: A Microleakage Study. , 1992, , 260-264.		0
189	Scanning electron microscopy and dentinal permeability analysis of smear layer. <i>Bollettino Della Societ� Italiana Di Biologia Sperimentale</i> , 1991, 67, 481-5.	0.0	0
190	Microleakage in composite resin restorations. <i>Bollettino Della Societ� Italiana Di Biologia Sperimentale</i> , 1991, 67, 487-92.	0.0	0
191	Dental composite resin porosity and effect on water absorption. <i>Bollettino Della Societ� Italiana Di Biologia Sperimentale</i> , 1991, 67, 409-14.	0.0	0