

# Carlo Fornaini

## List of Publications by Year in descending order

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118  
papers

1,788  
citations

331670

21  
h-index

345221

36  
g-index

132  
all docs

132  
docs citations

132  
times ranked

1625  
citing authors

#	ARTICLE	IF	CITATIONS
1	At-Home Photobiomodulation Treatments for Supportive Cancer Care During the COVID-19 Pandemic. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 81-82.	1.4	5
2	Bactericidal effect of Er,Cr:YSGG laser irradiation on endodontic biofilm: An ex vivo study. Journal of Photochemistry and Photobiology B: Biology, 2021, 218, 112185.	3.8	6
3	Nanosecond pulsed fiber laser irradiation for enhanced zirconia crown adhesion: Morphological, chemical, thermal and mechanical analysis. Journal of Photochemistry and Photobiology B: Biology, 2021, 219, 112189.	3.8	6
4	Use of Blue and Blue-Violet Lasers in Dentistry: A Narrative Review. Journal of Lasers in Medical Sciences, 2021, 12, e31-e31.	1.2	13
5	“At-Home” Photobiomodulation: A New Approach for Bell’s Palsy Treatment. Case Reports in Neurological Medicine, 2021, 2021, 1-5.	0.4	3
6	Nd:YAP laser in the treatment of dentinal hypersensitivity: An ex vivo study.. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111740.	3.8	9
7	Focal Infection and Periodontitis: A Narrative Report and New Possible Approaches. International Journal of Microbiology, 2020, 2020, 1-9.	2.3	7
8	Auto-Administered Photobiomodulation on Diabetic Leg Ulcers Treatment: A New Way to Manage It?. Case Reports in Medicine, 2020, 2020, 1-4.	0.7	5
9	Laser Multi-Wavelength Approach for the Treatment of Peri-Implantitis: A Case Report. Journal of Oral Implantology, 2020, 46, 614-618.	1.0	0
10	Photobiomodulation Therapy in Oral Medicine: A Guide for the Practitioner with Focus on New Possible Protocols. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 669-680.	1.4	24
11	Antimicrobial Photodynamic Therapy Protocols on Streptococcus mutans with Different Combinations of Wavelengths and Photosensitizing Dyes. Bioengineering, 2019, 6, 42.	3.5	13
12	Antimicrobial effect on <i>Candida albicans</i> biofilm by application of different wavelengths and dyes and the synthetic killer decapeptide KP. Laser Therapy, 2019, 28, 180-186.	0.3	8
13	Photobiomodulation in Pediatric Dentistry: A Current State-of-the-Art. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 798-813.	1.4	3
14	Photobiomodulation in Oral Medicine. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 837-861.	1.4	27
15	Er:YAG laser for the aesthetic treatment of developmental enamel defects in frontal teeth: a case report. Laser Therapy, 2019, 28, 199-202.	0.3	1
16	Il laser blu in odontostomatologia: breve revisione della letteratura e casi clinici. Dental Cadmos, 2019, 87, 142.	0.1	0
17	Utilizzo del probiotico M18 in odontoiatria: meccanismi d’azione, attuali indicazioni e prospettive future. Dental Cadmos, 2019, 87, 412.	0.1	0
18	Hard dental tissues laser welding: a new help for fractured teeth? A preliminary <i>ex vivo</i> study. Laser Therapy, 2018, 27, 105-110.	0.3	1

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19	Effect of laser irradiation on aphthae pain management: A four different wavelengths comparison. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 1-4.	3.8	15
20	CO <sub>2</sub> laser dentin surface treatment most effectively increased ceramic shear bond strength. Laser Therapy, 2018, 27, 48-54.	0.3	4
21	Platelet-Rich Plasma (PRP) Rinses for the Treatment of Non-Responding Oral Lichen Planus: A Case Report. Biomedicines, 2018, 6, 15.	3.2	11
22	Applications of Laser Welding in Dentistry: A State-of-the-Art Review. Micromachines, 2018, 9, 209.	2.9	32
23	Combined Approach to Treat Medication-Related Osteonecrosis of the Jaws. Journal of Lasers in Medical Sciences, 2018, 9, 92-100.	1.2	29
24	Disilicate Dental Ceramic Surface Preparation by 1070 nm Fiber Laser: Thermal and Ultrastructural Analysis. Bioengineering, 2018, 5, 10.	3.5	8
25	Laser-assisted surgery and bioscaffold for the treatment of rhinophyma. Indian Journal of Dermatology, Venereology and Leprology, 2018, 84, 629.	0.6	2
26	Erbium-doped, yttrium-aluminum-garnet laser debonding of porcelain laminate veneers: An ex vivo study. Contemporary Clinical Dentistry, 2018, 9, 570.	0.7	9
27	Ultrastructural analysis of dental ceramic surface processed by a 1070 nm fiber laser. , 2018, , .		0
28	Il laser Er:YAG in odontoiatria conservativa. Dental Cadmos, 2018, 86, 550.	0.1	0
29	Surgical oral defects: proposal for a new solution. Chirurgia (Turin), 2018, 31, .	0.1	0
30	Effect of different wavelengths and dyes on Candida albicans : In vivo study using Galleria mellonella as an experimental model. Photodiagnosis and Photodynamic Therapy, 2017, 18, 34-38.	2.6	17
31	Use of photo-Fenton's reaction by 400-nm LED light for endodontic disinfection: A preliminary in vitro study on Enterococcus faecalis. Journal of Photochemistry and Photobiology B: Biology, 2017, 171, 85-89.	3.8	8
32	Shear bond, wettability and AFM evaluations on CO <sub>2</sub> laser-irradiated CAD/CAM ceramic surfaces. Lasers in Medical Science, 2017, 32, 779-785.	2.1	18
33	1070 nm Fiber laser and soft tissues oral surgery: Ex vivo study with FBG temperature recording. , 2017, , .		0
34	Laser and Platelet-Rich Plasma to treat Medication-Related Osteonecrosis of the Jaws (MRONJ): a case report. Laser Therapy, 2017, 26, 223-227.	0.3	16
35	Use of 1070 nm fiber lasers in oral surgery: preliminary <i>ex vivo</i> study with FBG temperature monitoring. Laser Therapy, 2017, 26, 311-318.	0.3	3
36	Microhardness evaluations of CAD/CAM ceramics irradiated with CO <sub>2</sub> or Nd:YAP laser. Laser Therapy, 2017, 26, 13-18.	0.3	6

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37	At-home laser treatment of oral neuronal disorders: Case reports. Journal of Clinical and Experimental Dentistry, 2017, 9, 0-0.	1.2	2
38	Supercontinuum source in the investigation of laser-tissue interactions: "ex vivo" study. Journal of Biomedicine (Sydney, NSW), 2017, 2, 12-19.	1.4	11
39	Four different diode lasers comparison on soft tissues surgery: a preliminary "ex vivo" study. Laser Therapy, 2016, 25, 105-114.	0.3	21
40	The effect of CO2 and Nd:YAP lasers on CAD/CAM Ceramics: SEM, EDS and thermal studies. Laser Therapy, 2016, 25, 27-34.	0.3	14
41	Histological evaluation of three techniques for caries removal. Journal of Oral Science, 2016, 58, 583-589.	1.7	8
42	Green laser light irradiation enhances differentiation and matrix mineralization of osteogenic cells. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 130-136.	3.8	15
43	Blue diode laser: a new approach in oral surgery?. , 2016, , .		2
44	Radiation absorption in different kinds of tissue analysis: ex vivo study with supercontinuum laser source. , 2016, , .		1
45	450 nm diode laser: A new help in oral surgery. World Journal of Clinical Cases, 2016, 4, 253.	0.8	15
46	450 nm Blue Laser and Oral Surgery: Preliminary ex vivo Study. Journal of Contemporary Dental Practice, 2016, 17, 795-800.	0.5	20
47	La chirurgia dei tessuti molli del cavo orale. Dental Cadmos, 2016, 84, 657.	0.1	0
48	Tooth Extractions in High-Risk Patients Under Bisphosphonate Therapy and Previously Affected With Osteonecrosis of the Jaws. Journal of Craniofacial Surgery, 2015, 26, 696-699.	0.7	31
49	Cariogram outcome after 90 days of oral treatment with Streptococcus salivarius M18 in children at high risk for dental caries: results of a randomized, controlled study. Clinical, Cosmetic and Investigational Dentistry, 2015, 7, 107.	1.6	65
50	The "at-home LLLT" in temporo-mandibular disorders pain control: a pilot study. Laser Therapy, 2015, 24, 47-52.	0.3	22
51	Er:YAG laser dentistry in special needs patients. Laser Therapy, 2015, 24, 189-193.	0.3	8
52	Efficacy of LLLT in swelling and pain control after the extraction of lower impacted third molars. Laser Therapy, 2015, 24, 39-46.	0.3	27
53	Evolution of the role of phototherapy during endodontic decontamination. Laser Therapy, 2015, 24, 291-302.	0.3	6
54	405 nm diode laser, halogen lamp and LED device comparison in dental composites cure: an "in vitro" experimental trial. Laser Therapy, 2015, 24, 265-274.	0.3	10

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55	Reattachment of a Fractured Anterior Tooth Segment With Pulp Exposure via Er:YAG and Nd:YAG Lasers. Trauma Monthly, 2015, 20, e21470.	0.2	1
56	Low-Level Laser Therapy in odontostomatologia: istruzioni per lâ€™uso. Dental Cadmos, 2015, 83, 457-469.	0.1	0
57	CO <sub>2</sub> and Nd:YAP lasers irradiation on CAD/CAM Ceramics: SEM, EDS and thermal studies (Part 1)., 2015, , .		1
58	Different laser wavelengths comparison in the second-stage implant surgery: an ex vivo study. Lasers in Medical Science, 2015, 30, 1631-1639.	2.1	24
59	Effects of 915 nm GaAs diode laser on mitochondria of human dermal fibroblasts: analysis with confocal microscopy. Lasers in Medical Science, 2015, 30, 375-381.	2.1	17
60	Photodynamic therapy: a synergy between light and colors. Proceedings of SPIE, 2015, , .	0.8	2
61	Ulcerazioni orali multiple persistenti. Dental Cadmos, 2015, 83, 219-220.	0.1	0
62	Dental composite polymerization: a three different sources comparison. , 2015, , .		2
63	810nm, 980nm, 1470nm and 1950nm diode laser comparison: a preliminary â€œex vivoâ€ study on oral soft tissues. Proceedings of SPIE, 2015, , .	0.8	1
64	Medication-Related Osteonecrosis of the Jaw: An Autofluorescence-Guided Surgical Approach Performed with Er:YAG Laser. Photomedicine and Laser Surgery, 2015, 33, 437-442.	2.0	20
65	KTP and Er:YAG laser dental bleaching comparison: a spectrophotometric, thermal and morphologic analysis. Lasers in Medical Science, 2015, 30, 2157-2164.	2.1	12
66	Comparison of two different laser wavelengthsâ€™ dental bleaching results by photo-Fenton reaction: in vitro study. Lasers in Medical Science, 2015, 30, 1001-1006.	2.1	10
67	MEETING REPORT- IPTA 6TH NICE 2015. Laser Therapy, 2015, 24, 230-232.	0.3	0
68	Massive mandibular destruction and alveolar nerve infiltration without lower lip paresthesia in primary intraosseous carcinoma: report of two cases and critical appraisal of diagnostic criteria. Quintessence International, 2015, 46, 329-38.	0.4	0
69	The bleaching efficiency of KTP and diode 810 nm lasers on teeth stained with different substances: An in vitro study.. Laser Therapy, 2014, 23, 21-30.	0.3	5
70	Laser Welded versus Resistance Spot Welded Bone Implants: Analysis of the Thermal Increase and Strength. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	6
71	Conservative Surgical Management of Stage I Bisphosphonate-Related Osteonecrosis of the Jaw. International Journal of Dentistry, 2014, 2014, 1-8.	1.5	50
72	The use of sub-ablative Er:YAG laser irradiation in prevention of dental caries during orthodontic treatment. Laser Therapy, 2014, 23, 173-181.	0.3	23

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73	Er:YAG 2,940-nm laser fiber in endodontic treatment: a help in removing smear layer. Lasers in Medical Science, 2014, 29, 69-75.	2.1	58
74	CO2 and Nd:YAP laser interaction with lithium disilicate and Zirconia dental ceramics: A preliminary study. Optics and Laser Technology, 2014, 57, 216-223.	4.6	18
75	Pain and Health-Related Quality of Life After Oral Soft Tissue Surgical Interventions: The Advantages of Nd:Yag Laser. Journal of Dentistry Indonesia, 2014, 21, .	0.2	2
76	Laser-assisted surgery with different wavelengths: a preliminary ex vivo study on thermal increase and histological evaluation. Lasers in Medical Science, 2013, 28, 497-504.	2.1	54
77	In vitro bactericidal effect of Nd:YAG laser on Actinomyces israelii. Lasers in Medical Science, 2013, 28, 1131-1135.	2.1	13
78	Analysis of shade, temperature and hydrogen peroxide concentration during dental bleaching: in vitro study with the KTP and diode lasers. Lasers in Medical Science, 2013, 28, 1-6.	2.1	26
79	Lesioni ulcerative bilaterali della mucosa orale e della lingua. Dental Cadmos, 2013, 81, 115-116.	0.1	0
80	Dental tissue ablation by means of a picoseconds laser. , 2013, , .		0
81	Er:YAG and adhesion in conservative dentistry : clinical overview. Laser Therapy, 2013, 22, 31-35.	0.3	21
82	Use of laser in orthodontics: applications and perspectives. Laser Therapy, 2013, 22, 115-124.	0.3	21
83	Case series of 589 tooth extractions in patients under bisphosphonates therapy. Proposal of a clinical protocol supported by Nd:YAG low-level laser therapy. Medicina Oral, Patología Oral Y Cirugía Bucal, 2013, 18, e680-e685.	1.7	55
84	Role of surface tension and roughness on the wettability of Er:YAG laser irradiated dentin: In vitro study. Laser Therapy, 2013, 22, 187-194.	0.3	3
85	Laser welding and syncrystallization techniques comparison: ^ ^ldquo;Ex vivo^ ^rdquo; study. Laser Therapy, 2013, 22, 275-281.	0.3	6
86	Dental ablation with 1064 nm, 500 ps, Diode pumped solid state laser: A preliminary study. Laser Therapy, 2013, 22, 195-199.	0.3	8
87	JOINT MEETING OF IPTA, ISLSM, WFSLMS, WFLD. Laser Therapy, 2013, 22, 293-294.	0.3	0
88	Preliminary study on radio-chemo-induced oral mucositis and low level laser therapy. , 2012, , .		0
89	Patient responses to Er:YAG laser when used for conservative dentistry. Lasers in Medical Science, 2012, 27, 1143-1149.	2.1	33
90	Pigmentazione papulare del palato duro. Dental Cadmos, 2012, 80, 353-354.	0.1	0

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91	Lesione radiotrasparente uniloculare asintomatica mandibolare. Dental Cadmos, 2012, 80, 487-488.	0.1	0
92	Orofacial granulomatosis treated with low-level laser therapy: a case report. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 113, e25-e29.	0.4	16
93	Osteonecrosi dei mascellari e bisfosfonati: terapia e follow-up a lungo termine in 160 pazienti. Dental Cadmos, 2012, 80, 9-21.	0.1	4
94	Early Surgical Laser-Assisted Management of Bisphosphonate-Related Osteonecrosis of the Jaws (BRONJ): A Retrospective Analysis of 101 Treated Sites with Long-Term Follow-Up. Photomedicine and Laser Surgery, 2012, 30, 5-13.	2.0	59
95	New Clinical Approach for Use of Er:YAG Laser in the Surgical Treatment of Oral Lichen Planus: A Report of Two Cases. Photomedicine and Laser Surgery, 2012, 30, 234-238.	2.0	18
96	Intraoral Laser Welding (ILW) in Implant Prosthetic Dentistry: Case Report. Case Reports in Dentistry, 2012, 2012, 1-4.	0.5	10
97	Er:YAG Laser and Fractured Incisor Restorations: An In Vitro Study. International Journal of Dentistry, 2012, 2012, 1-6.	1.5	7
98	Er:YAG Laser: A New Technical Approach to Remove Torus Palatinus and Torus Mandibularis. Case Reports in Dentistry, 2012, 2012, 1-4.	0.5	7
99	Surgical Approach and Laser Applications in BRONJ Osteoporotic and Cancer Patients. Journal of Osteoporosis, 2012, 2012, 1-8.	0.5	28
100	Laser Welding and Syncrystallization Techniques Comparison: In Vitro Study. International Journal of Dentistry, 2012, 2012, 1-5.	1.5	6
101	DIFFERENT LASER WAVELENGTHS IN THE ORTHODONTIC SURGERY OF THE RETAINED TEETH. Laser Therapy, 2012, 21, 47-50.	0.3	1
102	Low energy KTP laser in oral soft tissue surgery: A 52 patients clinical study. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2012, 17, e287-e291.	1.7	28
103	CO2 LASER TREATMENT OF DRUG-INDUCED GINGIVAL OVERGROWTH. Laser Therapy, 2012, 21, 39-42.	0.3	9
104	LLL T IN THE SYMPTOMATIC TREATMENT OF ORAL LICHEN PLANUS. Laser Therapy, 2012, 21, 51-53.	0.3	11
105	Thermal increase in the oral mucosa and in the jawbone during Nd:YAG laser applications. Ex vivo study. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2012, 17, e697-e704.	1.7	13
106	Intraoral laser welding: ultrastructural and mechanical analysis to compare laboratory laser and dental laser. Lasers in Medical Science, 2011, 26, 415-420.	2.1	16
107	REPORT OF THE 4TH CONGRESS OF IPTA IN FLORENCE ON NOVEMBER 4-5TH. Laser Therapy, 2011, 20, 307-310.	0.3	0
108	Intraoral Laser Welding (ILW): ultrastructural and mechanical analysis. , 2010, , .		0

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109	Intra-oral laser welding: an in vitro evaluation of thermal increase. Lasers in Medical Science, 2010, 25, 473-477.	2.1	14
110	Surgical approach with Er:YAG laser on osteonecrosis of the jaws (ONJ) in patients under bisphosphonate therapy (BPT). Lasers in Medical Science, 2010, 25, 101-113.	2.1	99
111	Intraoral metal laser welding: a case report. Lasers in Medical Science, 2010, 25, 303-307.	2.1	15
112	Nd:YAG laser versus traditional scalpel. A preliminary histological analysis of specimens from the human oral mucosa. Lasers in Medical Science, 2010, 25, 685-691.	2.1	60
113	Welding in the Dental Office by Fiber-Delivered Laser: A New Technique. Photomedicine and Laser Surgery, 2009, 27, 417-423.	2.0	18
114	Laser welding by dental Nd:YAG device. , 2009, , .		1
115	Quantic molecular resonance scalpel and its potential applications in oral surgery. British Journal of Oral and Maxillofacial Surgery, 2008, 46, 355-357.	0.8	12
116	Nd:YAG Laser Biostimulation in the Treatment of Bisphosphonate-Associated Osteonecrosis of the Jaw: Clinical Experience in 28 Cases. Photomedicine and Laser Surgery, 2008, 26, 37-46.	2.0	92
117	Nd:YAG and Diode Laser in the Surgical Management of Soft Tissues Related to Orthodontic Treatment. Photomedicine and Laser Surgery, 2007, 25, 381-392.	2.0	88
118	Nd:YAG laser biostimulation of bisphosphonate-associated necrosis of the jawbone with and without surgical treatment. British Journal of Oral and Maxillofacial Surgery, 2007, 45, 628-632.	0.8	69