

Carlo Fornaini

List of Publications by Year in descending order

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117
papers

1,788
citations

331538

21
h-index

345118

36
g-index

132
all docs

132
docs citations

132
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	Surgical approach with Er:YAG laser on osteonecrosis of the jaws (ONJ) in patients under bisphosphonate therapy (BPT). <i>Lasers in Medical Science</i> , 2010, 25, 101-113.	1.0	99
2	Nd:YAG Laser Biostimulation in the Treatment of Bisphosphonate-Associated Osteonecrosis of the Jaw: Clinical Experience in 28 Cases. <i>Photomedicine and Laser Surgery</i> , 2008, 26, 37-46.	2.1	92
3	Nd:YAG and Diode Laser in the Surgical Management of Soft Tissues Related to Orthodontic Treatment. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 381-392.	2.1	88
4	Nd:YAG laser biostimulation of bisphosphonate-associated necrosis of the jawbone with and without surgical treatment. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2007, 45, 628-632.	0.4	69
5	Cariogram outcome after 90 days of oral treatment with <i>Streptococcus salivarius</i> M18 in children at high risk for dental caries: results of a randomized, controlled study. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2015, 7, 107.	0.7	65
6	Nd:YAG laser versus traditional scalpel. A preliminary histological analysis of specimens from the human oral mucosa. <i>Lasers in Medical Science</i> , 2010, 25, 685-691.	1.0	60
7	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. <i>Photomedicine and Laser Surgery</i> , 2012, 30, 5-13.	2.1	59
8	Er:YAG 2,940-nm laser fiber in endodontic treatment: a help in removing smear layer. <i>Lasers in Medical Science</i> , 2014, 29, 69-75.	1.0	58
9	Case series of 589 tooth extractions in patients under bisphosphonates therapy. Proposal of a clinical protocol supported by Nd:YAG low-level laser therapy. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2013, 18, e680-e685.	0.7	55
10	Laser-assisted surgery with different wavelengths: a preliminary ex vivo study on thermal increase and histological evaluation. <i>Lasers in Medical Science</i> , 2013, 28, 497-504.	1.0	54
11	Conservative Surgical Management of Stage I Bisphosphonate-Related Osteonecrosis of the Jaw. <i>International Journal of Dentistry</i> , 2014, 2014, 1-8.	0.5	50
12	Patient responses to Er:YAG laser when used for conservative dentistry. <i>Lasers in Medical Science</i> , 2012, 27, 1143-1149.	1.0	33
13	Applications of Laser Welding in Dentistry: A State-of-the-Art Review. <i>Micromachines</i> , 2018, 9, 209.	1.4	32
14	Tooth Extractions in High-Risk Patients Under Bisphosphonate Therapy and Previously Affected With Osteonecrosis of the Jaws. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 696-699.	0.3	31
15	Combined Approach to Treat Medication-Related Osteonecrosis of the Jaws. <i>Journal of Lasers in Medical Sciences</i> , 2018, 9, 92-100.	0.4	29
16	Surgical Approach and Laser Applications in BRONJ Osteoporotic and Cancer Patients. <i>Journal of Osteoporosis</i> , 2012, 2012, 1-8.	0.1	28
17	Low energy KTP laser in oral soft tissue surgery: A 52 patients clinical study. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2012, 17, e287-e291.	0.7	28
18	Efficacy of LLLT in swelling and pain control after the extraction of lower impacted third molars. <i>Laser Therapy</i> , 2015, 24, 39-46.	0.8	27

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19	Photobiomodulation in Oral Medicine. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 837-861.	0.7	27
20	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.	1.0	26
21	Different laser wavelengths comparison in the second-stage implant surgery: an ex vivo study. Lasers in Medical Science, 2015, 30, 1631-1639.	1.0	24
22	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.	0.7	24
23	The use of sub-ablative Er:YAG laser irradiation in prevention of dental caries during orthodontic treatment. Laser Therapy, 2014, 23, 173-181.	0.8	23
24	The "at-home LLLT" in temporomandibular disorders pain control: a pilot study. Laser Therapy, 2015, 24, 47-52.	0.8	22
25	Er:YAG and adhesion in conservative dentistry : clinical overview. Laser Therapy, 2013, 22, 31-35.	0.8	21
26	Use of laser in orthodontics: applications and perspectives. Laser Therapy, 2013, 22, 115-124.	0.8	21
27	Four different diode lasers comparison on soft tissues surgery: a preliminary ex vivo study. Laser Therapy, 2016, 25, 105-114.	0.8	21
28	Medication-Related Osteonecrosis of the Jaw: An Autofluorescence-Guided Surgical Approach Performed with Er:YAG Laser. Photomedicine and Laser Surgery, 2015, 33, 437-442.	2.1	20
29	450 nm Blue Laser and Oral Surgery: Preliminary ex vivo Study. Journal of Contemporary Dental Practice, 2016, 17, 795-800.	0.2	20
30	Welding in the Dental Office by Fiber-Delivered Laser: A New Technique. Photomedicine and Laser Surgery, 2009, 27, 417-423.	2.1	18
31	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.	2.1	18
32	CO2 and Nd:YAP laser interaction with lithium disilicate and Zirconia dental ceramics: A preliminary study. Optics and Laser Technology, 2014, 57, 216-223.	2.2	18
33	Shear bond, wettability and AFM evaluations on CO2 laser-irradiated CAD/CAM ceramic surfaces. Lasers in Medical Science, 2017, 32, 779-785.	1.0	18
34	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.	1.0	17
35	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.	1.3	17
36	Intraoral laser welding: ultrastructural and mechanical analysis to compare laboratory laser and dental laser. Lasers in Medical Science, 2011, 26, 415-420.	1.0	16

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37	Orofacial granulomatosis treated with low-level laser therapy: a case report. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 113, e25-e29.	0.2	16
38	Laser and Platelet-Rich Plasma to treat Medication-Related Osteonecrosis of the Jaws (MRONJ): a case report. <i>Laser Therapy</i> , 2017, 26, 223-227.	0.8	16
39	Intraoral metal laser welding: a case report. <i>Lasers in Medical Science</i> , 2010, 25, 303-307.	1.0	15
40	Green laser light irradiation enhances differentiation and matrix mineralization of osteogenic cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 155, 130-136.	1.7	15
41	Effect of laser irradiation on aphthae pain management: A four different wavelengths comparison. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 1-4.	1.7	15
42	450 nm diode laser: A new help in oral surgery. <i>World Journal of Clinical Cases</i> , 2016, 4, 253.	0.3	15
43	Intra-oral laser welding: an in vitro evaluation of thermal increase. <i>Lasers in Medical Science</i> , 2010, 25, 473-477.	1.0	14
44	The effect of CO ₂ and Nd:YAP lasers on CAD/CAM Ceramics: SEM, EDS and thermal studies. <i>Laser Therapy</i> , 2016, 25, 27-34.	0.8	14
45	Thermal increase in the oral mucosa and in the jawbone during Nd:YAG laser applications. Ex vivo study. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2012, 17, e697-e704.	0.7	13
46	In vitro bactericidal effect of Nd:YAG laser on <i>Actinomyces israelii</i> . <i>Lasers in Medical Science</i> , 2013, 28, 1131-1135.	1.0	13
47	Antimicrobial Photodynamic Therapy Protocols on <i>Streptococcus mutans</i> with Different Combinations of Wavelengths and Photosensitizing Dyes. <i>Bioengineering</i> , 2019, 6, 42.	1.6	13
48	Use of Blue and Blue-Violet Lasers in Dentistry: A Narrative Review. <i>Journal of Lasers in Medical Sciences</i> , 2021, 12, e31-e31.	0.4	13
49	Quantic molecular resonance scalpel and its potential applications in oral surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2008, 46, 355-357.	0.4	12
50	KTP and Er:YAG laser dental bleaching comparison: a spectrophotometric, thermal and morphologic analysis. <i>Lasers in Medical Science</i> , 2015, 30, 2157-2164.	1.0	12
51	LLLT IN THE SYMPTOMATIC TREATMENT OF ORAL LICHEN PLANUS. <i>Laser Therapy</i> , 2012, 21, 51-53.	0.8	11
52	Platelet-Rich Plasma (PRP) Rinses for the Treatment of Non-Responding Oral Lichen Planus: A Case Report. <i>Biomedicines</i> , 2018, 6, 15.	1.4	11
53	Supercontinuum source in the investigation of laser-tissue interactions: an ex vivo study. <i>Journal of Biomedicine (Sydney, NSW)</i> , 2017, 2, 12-19.	1.4	11
54	Intraoral Laser Welding (ILW) in Implant Prosthetic Dentistry: Case Report. <i>Case Reports in Dentistry</i> , 2012, 2012, 1-4.	0.2	10

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55	405 nm diode laser, halogen lamp and LED device comparison in dental composites cure: an “in vitro” experimental trial. <i>Laser Therapy</i> , 2015, 24, 265-274.	0.8	10
56	Comparison of two different laser wavelengths&supm; dental bleaching results by photo-Fenton reaction: in vitro study. <i>Lasers in Medical Science</i> , 2015, 30, 1001-1006.	1.0	10
57	CO2 LASER TREATMENT OF DRUG-INDUCED GINGIVAL OVERGROWTH. <i>Laser Therapy</i> , 2012, 21, 39-42.	0.8	9
58	Nd:YAP laser in the treatment of dentinal hypersensitivity: An ex vivo study.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111740.	1.7	9
59	Erbium-doped, yttrium-aluminum-garnet laser debonding of porcelain laminate veneers: An ex vivo study. <i>Contemporary Clinical Dentistry</i> , 2018, 9, 570.	0.2	9
60	Er:YAG laser dentistry in special needs patients. <i>Laser Therapy</i> , 2015, 24, 189-193.	0.8	8
61	Histological evaluation of three techniques for caries removal. <i>Journal of Oral Science</i> , 2016, 58, 583-589.	0.7	8
62	Use of photo-Fenton's reaction by 400-nm LED light for endodontic disinfection: A preliminary in vitro study on <i>Enterococcus faecalis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 171, 85-89.	1.7	8
63	Disilicate Dental Ceramic Surface Preparation by 1070 nm Fiber Laser: Thermal and Ultrastructural Analysis. <i>Bioengineering</i> , 2018, 5, 10.	1.6	8
64	Antimicrobial effect on <i>Candida albicans</i> biofilm by application of different wavelengths and dyes and the synthetic killer decapeptide KP. <i>Laser Therapy</i> , 2019, 28, 180-186.	0.8	8
65	Dental ablation with 1064 nm, 500 ps, Diode pumped solid state laser: A preliminary study. <i>Laser Therapy</i> , 2013, 22, 195-199.	0.8	8
66	Er:YAG Laser and Fractured Incisor Restorations: An<i> In Vitro</i> Study. <i>International Journal of Dentistry</i> , 2012, 2012, 1-6.	0.5	7
67	Er:YAG Laser: A New Technical Approach to Remove Torus Palatinus and Torus Mandibularis. <i>Case Reports in Dentistry</i> , 2012, 2012, 1-4.	0.2	7
68	Focal Infection and Periodontitis: A Narrative Report and New Possible Approaches. <i>International Journal of Microbiology</i> , 2020, 2020, 1-9.	0.9	7
69	Laser Welding and Syncrystallization Techniques Comparison:In Vitro Study. <i>International Journal of Dentistry</i> , 2012, 2012, 1-5.	0.5	6
70	Laser welding and syncrystallization techniques comparison: &supm;Ex vivo&supm; study. <i>Laser Therapy</i> , 2013, 22, 275-281.	0.8	6
71	Laser Welded versus Resistance Spot Welded Bone Implants: Analysis of the Thermal Increase and Strength. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	0.8	6
72	Evolution of the role of phototherapy during endodontic decontamination. <i>Laser Therapy</i> , 2015, 24, 291-302.	0.8	6

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73	Microhardness evaluations of CAD/CAM ceramics irradiated with CO ₂ or Nd:YAP laser. <i>Laser Therapy</i> , 2017, 26, 13-18.	0.8	6
74	Bactericidal effect of Er,Cr:YSGG laser irradiation on endodontic biofilm: An ex vivo study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 218, 112185.	1.7	6
75	Nanosecond pulsed fiber laser irradiation for enhanced zirconia crown adhesion: Morphological, chemical, thermal and mechanical analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 219, 112189.	1.7	6
76	The bleaching efficiency of KTP and diode 810 nm lasers on teeth stained with different substances: An in vitro study.. <i>Laser Therapy</i> , 2014, 23, 21-30.	0.8	5
77	Auto-Administered Photobiomodulation on Diabetic Leg Ulcers Treatment: A New Way to Manage It?. <i>Case Reports in Medicine</i> , 2020, 2020, 1-4.	0.3	5
78	At-Home Photobiomodulation Treatments for Supportive Cancer Care During the COVID-19 Pandemic. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021, 39, 81-82.	0.7	5
79	Osteonecrosi dei mascellari e bisfosfonati: terapia e follow-up a lungo termine in 160 pazienti. <i>Dental Cadmos</i> , 2012, 80, 9-21.	0.0	4
80	CO ₂ laser dentin surface treatment most effectively increased ceramic shear bond strength. <i>Laser Therapy</i> , 2018, 27, 48-54.	0.8	4
81	Role of surface tension and roughness on the wettability of Er:YAG laser irradiated dentin: In vitro study. <i>Laser Therapy</i> , 2013, 22, 187-194.	0.8	3
82	Use of 1070 nm fiber lasers in oral surgery: preliminary <i>ex vivo</i> study with FBG temperature monitoring. <i>Laser Therapy</i> , 2017, 26, 311-318.	0.8	3
83	Photobiomodulation in Pediatric Dentistry: A Current State-of-the-Art. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2019, 37, 798-813.	0.7	3
84	“At-Home” Photobiomodulation: A New Approach for Bell’s Palsy Treatment. <i>Case Reports in Neurological Medicine</i> , 2021, 2021, 1-5.	0.3	3
85	Photodynamic therapy: a synergy between light and colors. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
86	Dental composite polymerization: a three different sources comparison. , 2015, , .		2
87	Blue diode laser: a new approach in oral surgery?. , 2016, , .		2
88	Pain and Health-Related Quality of Life After Oral Soft Tissue Surgical Interventions: The Advantages of Nd:Yag Laser. <i>Journal of Dentistry Indonesia</i> , 2014, 21, .	0.2	2
89	Laser-assisted surgery and bioscaffold for the treatment of rhinophyma. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2018, 84, 629.	0.2	2
90	At-home laser treatment of oral neuronal disorders: Case reports. <i>Journal of Clinical and Experimental Dentistry</i> , 2017, 9, 0-0.	0.5	2

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91	Laser welding by dental Nd:YAG device. , 2009, , .		1
92	DIFFERENT LASER WAVELENGTHS IN THE ORTHODONTIC SURGERY OF THE RETAINED TEETH. Laser Therapy, 2012, 21, 47-50.	0.8	1
93	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
94	CO ₂ and Nd: YAP lasers irradiation on CAD/CAM Ceramics: SEM, EDS and thermal studies (Part 1). , 2015, , .		1
95	810nm, 980nm, 1470nm and 1950nm diode laser comparison: a preliminary "ex vivo" study on oral soft tissues. Proceedings of SPIE, 2015, , .	0.8	1
96	Radiation absorption in different kinds of tissue analysis: ex vivo study with supercontinuum laser source. , 2016, , .		1
97	Hard dental tissues laser welding: a new help for fractured teeth? A preliminary "ex vivo" study. Laser Therapy, 2018, 27, 105-110.	0.8	1
98	Er:YAG laser for the aesthetic treatment of developmental enamel defects in frontal teeth: a case report. Laser Therapy, 2019, 28, 199-202.	0.8	1
99	Intraoral Laser Welding (ILW): ultrastructural and mechanical analysis. , 2010, , .		0
100	Preliminary study on radio-chemo-induced oral mucositis and low level laser therapy. , 2012, , .		0
101	Pigmentazione papulare del palato duro. Dental Cadmos, 2012, 80, 353-354.	0.0	0
102	Lesione radiotrasparente uniloculare asintomatica mandibolare. Dental Cadmos, 2012, 80, 487-488.	0.0	0
103	Lesioni ulcerative bilaterali della mucosa orale e della lingua. Dental Cadmos, 2013, 81, 115-116.	0.0	0
104	Dental tissue ablation by means of a picoseconds laser. , 2013, , .		0
105	Low-Level Laser Therapy in odontostomatologia: istruzioni per l'uso. Dental Cadmos, 2015, 83, 457-469.	0.0	0
106	Ulcerazioni orali multiple persistenti. Dental Cadmos, 2015, 83, 219-220.	0.0	0
107	1070 nm Fiber laser and soft tissues oral surgery: Ex vivo study with FBG temperature recording. , 2017, , .		0
108	REPORT OF THE 4TH CONGRESS OF IPTA IN FLORENCE ON NOVEMBER 4-5TH. Laser Therapy, 2011, 20, 307-310.	0.8	0

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109	JOINT MEETING OF IPTA, ISLSM, WFLSMS, WFLD. Laser Therapy, 2013, 22, 293-294.	0.8	0
110	MEETING REPORT- IPTA 6TH NICE 2015. Laser Therapy, 2015, 24, 230-232.	0.8	0
111	Ultrastructural analysis of dental ceramic surface processed by a 1070 nm fiber laser. , 2018, , .		0
112	Il laser Er:YAG in odontoiatria conservativa. Dental Cadmos, 2018, 86, 550.	0.0	0
113	Surgical oral defects: proposal for a new solution. Chirurgia (Turin), 2018, 31, .	0.0	0
114	Il laser blu in odontostomatologia: breve revisione della letteratura e casi clinici. Dental Cadmos, 2019, 87, 142.	0.0	0
115	Utilizzo del probiotico M18 in odontoiatria: meccanismi d'azione, attuali indicazioni e prospettive future. Dental Cadmos, 2019, 87, 412.	0.0	0
116	Laser Multi-Wavelength Approach for the Treatment of Peri-Implantitis: A Case Report. Journal of Oral Implantology, 2020, 46, 614-618.	0.4	0
117	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.	0.3	0