

Norbert Gutknecht

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

472
citations

933447

10
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative evaluation of the effects of Nd:YAG and Er:YAG laser in dentin hypersensitivity treatment. <i>Lasers in Medical Science</i> , 2007, 22, 21-24.	2.1	127
2	Antibacterial Effects of Nd:YAG Laser Irradiation within Root Canal Dentin. <i>Photomedicine and Laser Surgery</i> , 1997, 15, 29-31.	0.9	101
3	The Bactericidal Effect of 2780 and 940nm Laser Irradiation on <i>Enterococcus faecalis</i> in Bovine Root Dentin Slices of Different Thicknesses. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 11-16.	2.0	25
4	The comparison of penetration depth of two different photosensitizers in root canals with and without smear layer: An in vitro study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 13, 10-14.	2.6	23
5	Investigations of radicular dentin permeability and ultrastructural changes after irradiation with Er,Cr:YSGG laser and dual wavelength (2780 and 940nm) laser. <i>Lasers in Medical Science</i> , 2015, 30, 2115-2121.	2.1	22
6	The effect of transmitted Er:YAG laser energy through a dental ceramic on different types of resin cements. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 602-607.	2.1	20
7	The effectiveness of the Erbium:Yttrium aluminum garnet PIPS technique in comparison to different chemical solutions in removing the endodontic smear layer – an in vitro profilometric study. <i>Lasers in Medical Science</i> , 2016, 31, 1871-1882.	2.1	18
8	The Impact of a 940nm Diode Laser with Radial Firing Tip and Bare End Fiber Tip on <i>Enterococcus faecalis</i> in the Root Canal Wall Dentin of Bovine Teeth: An In Vitro Study. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 357-363.	2.0	17
9	Root Surface Temperature Changes During Root Canal Laser Irradiation with Dual Wavelength Laser (940 and 2780nm): A Preliminary Study. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 336-344.	2.0	13
10	Calculus Removal and Root Surface Roughness When Using the Er:YAG or Er,Cr:YSGG Laser Compared with Conventional Instrumentation Method: A Literature Review. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2019, 37, 197-226.	1.4	13
11	Removal of Dental Implants Using the Erbium,Chromium:Yttrium-Scandium-Gallium-Garnet Laser and the Conventional Trepine Bur: An In Vitro Comparative Study. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 61-67.	2.0	11
12	Intrapulpal temperature changes during root surface irradiation with dual-wavelength laser (2780) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.6	9
13	Acceptance and efficiency of anesthesia by photobiomodulation therapy during conventional cavity preparation in permanent teeth: a pilot randomized crossover clinical study. <i>Lasers in Dental Science</i> , 2017, 1, 65-71.	0.6	8
14	Bactericidal effect of 445-nm blue diode laser in the root canal dentin on <i>Enterococcus faecalis</i> of human teeth. <i>Lasers in Dental Science</i> , 2018, 2, 247-254.	0.6	8
15	Antibacterial effect of diode lasers in the treatment of peri-implantitis and their effects on implant surfaces: a literature review. <i>Lasers in Dental Science</i> , 2018, 2, 193-200.	0.6	6
16	First Investigation of Dual-Wavelength Lasers (2780nm Er,Cr:YSGG and 940nm Diode) on Implants in a Simulating Peri-Implantitis Situation Regarding Temperature Changes in an In Vitro Pocket Model. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2019, 37, 508-514.	1.4	5
17	Surface roughness alterations of zirconia implants after Er:YAG laser irradiation: a preliminary study. <i>Lasers in Dental Science</i> , 2019, 3, 269-273.	0.6	5
18	Effect of photobiomodulation therapy on regenerative endodontic procedures: a scoping review. <i>Lasers in Dental Science</i> , 2019, 3, 227-234.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Intra-pulpal temperature evaluation during diode laser (445Ånm) irradiation for treatment of dentine hypersensitivity: in vitro a pilot study. <i>Lasers in Dental Science</i> , 2020, 4, 139-144.	0.6	5
20	Photobiomodulation therapy with 810-nm laser as an alternative to injection for anesthesia in dentistry. <i>Lasers in Dental Science</i> , 2021, 5, 117-123.	0.6	5
21	Laterally closed tunnel technique with and without adjunctive photobiomodulation therapy for the management of isolated gingival recession—a randomized controlled assessor-blinded clinical trial. <i>Lasers in Medical Science</i> , 2022, 37, 1625-1634.	2.1	5
22	Antibacterial effect of Er:YAG laser in the treatment of peri-implantitis and their effect on implant surfaces: a literature review. <i>Lasers in Dental Science</i> , 2018, 2, 201-211.	0.6	4
23	Temperature elevation during root canal treatment with a 445-nm diode laser—an in vitro study. <i>Lasers in Dental Science</i> , 2018, 2, 89-94.	0.6	3
24	Antibacterial effect of Er,Cr:YSGG laser in the treatment of peri-implantitis and their effect on implant surfaces: a literature review. <i>Lasers in Dental Science</i> , 2018, 2, 63-71.	0.6	3
25	The current state of the art in bond strength of laser-irradiated enamel and dentin (Nd: YAG, CO ₂) Tj ETQq1 1 0.784314 rgBT ₃ /Overlo	0.6	3
26	The effectiveness of diode lasers in detoxification of exposed implant surfaces in comparison with mechanical and chemical measures in the treatment of peri-implantitis: a literature review. <i>Lasers in Dental Science</i> , 2022, 6, 1-14.	0.6	3
27	The Photobiomodulation Effect of 940nm Laser Irradiation on Enterococcus faecalis in Human Root Dentin Slices of Varying Thicknesses. <i>Journal of Lasers in Medical Sciences</i> , 2021, 12, e48-e48.	1.2	2
28	Fracture Forces of Dentin after Surface Treatment with High Speed Drill Compared to Er:YAG and Er,Cr:YSGG Laser Irradiation. <i>Analytical Cellular Pathology</i> , 2016, 2016, 1-7.	1.4	1
29	Antibacterial effect of using the Er:YAG laser or Er,Cr:YSGG laser compared to conventional instrumentation method—a literature review. <i>Lasers in Dental Science</i> , 2018, 2, 1-12.	0.6	1
30	Effects of Er,Cr:YSGG laser and radial firing tips in dye removal from simulated curved canals: visualization study. <i>Lasers in Dental Science</i> , 2019, 3, 31-36.	0.6	1
31	LMS welcome to the new American editor—Peter Whittaker. <i>Lasers in Medical Science</i> , 2006, 21, 185-185.	2.1	0
32	The effect of photobiomodulation therapy in the management of alveolar osteitis after tooth extraction: a scoping review. <i>Lasers in Dental Science</i> , 2019, 3, 11-20.	0.6	0
33	Lasers in caries detection in primary and permanent teeth: a literature review. <i>Lasers in Dental Science</i> , 2019, 3, 21-29.	0.6	0
34	Dual-wavelength laser (2780-nm Er,Cr:YSGG and 940-nm diode) investigation regarding surface roughness parameters (R _p in ¼m) and the surface morphology alterations on different types of dental implants. <i>Lasers in Dental Science</i> , 2020, 4, 81-88.	0.6	0