

Denise M Zezell

List of Publications by Year in descending order

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178
papers

3,140
citations

147801

31
h-index

189892

50
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181
all docs

181
docs citations

181
times ranked

2719
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of bone dose response using ATR-FTIR spectroscopy: a potential method for biodosimetry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 120900.	3.9	1
2	Exploiting Nanomaterials for Optical Coherence Tomography and Photoacoustic Imaging in Nanodentistry. <i>Nanomaterials</i> , 2022, 12, 506.	4.1	12
3	Optimizing and Quantifying Gold Nanospheres Based on LSPR Label-Free Biosensor for Dengue Diagnosis. <i>Polymers</i> , 2022, 14, 1592.	4.5	14
4	The lingual enamel morphology and bracket shear bond strength influenced by Nd:YAG laser and aluminum oxide sandblasting preconditioning. <i>Clinical Oral Investigations</i> , 2021, 25, 1151-1158.	3.0	4
5	Morphological, optical, and elemental analysis of dental enamel after debonding laminate veneer with Er,Cr: YSGG laser: A pilot study. <i>Microscopy Research and Technique</i> , 2021, 84, 489-498.	2.2	6
6	Femtosecond Ti: Sa ultra short-pulse laser irradiation effects on the properties and morphology of the zirconia surface after ageing. <i>Ceramics International</i> , 2021, 47, 4455-4465.	4.8	4
7	Compositional changes promoted by Er,Cr:YSGG laser when used to inhibit dentin erosion. , 2021, , .		0
8	Healing status of burn wound healing: ATR-FTIR study. , 2021, , .		1
9	Machine Learning methods for micro-FTIR imaging classification of human skin tumors. , 2021, , .		0
10	Assessment of the preventive effects of Nd:YAG laser associated with fluoride on enamel caries using optical coherence tomography and FTIR spectroscopy. <i>PLoS ONE</i> , 2021, 16, e0254217.	2.5	7
11	A modified Er,Cr:YSGG laser protocol associated with fluoride gel for controlling dentin erosion. <i>Lasers in Dental Science</i> , 2021, 5, 177-183.	0.6	1
12	Bioactive glass/poloxamer 407 hydrogel composite as a drug delivery system: The interplay between glass dissolution and drug release kinetics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111934.	5.0	19
13	Association of Nd:YAG laser and calcium-phosphate desensitizing pastes on dentin permeability and tubule occlusion. <i>Journal of Applied Oral Science</i> , 2021, 29, e20200736.	1.8	9
14	The impact of scan number and its preprocessing in micro-FTIR imaging when applying machine learning for breast cancer subtypes classification. <i>Vibrational Spectroscopy</i> , 2021, 117, 103309.	2.2	7
15	Surface profile of different heat-treated nickel-titanium files before and after root canal preparation. <i>Brazilian Dental Journal</i> , 2021, 32, 8-15.	1.1	0
16	Evaluating biochemical differences in thyroglobulin from normal and goiter tissues by infrared spectral imaging. <i>Analyst, The</i> , 2020, 145, 7907-7915.	3.5	2
17	Monitoring the Progress and Healing Status of Burn Wounds Using Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 758-766.	2.2	3
18	Surface Evaluation of Enamel Etched by Er,Cr:YSGG Laser for Orthodontic Purpose. <i>Journal of Contemporary Dental Practice</i> , 2020, 21, 227-232.	0.5	6

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19	Surface Evaluation of Enamel Etched by Er,Cr:YSGG Laser for Orthodontic Purpose. Journal of Contemporary Dental Practice, 2020, 21, 227-232.	0.5	3
20	In Vitro Effect of Innovative Desensitizing Agents on Dentin Tubule Occlusion and Erosive Wear. Operative Dentistry, 2019, 44, 168-177.	1.2	11
21	Effect of Er,Cr:YSGG laser associated with fluoride on the control of enamel erosion progression. Archives of Oral Biology, 2019, 99, 156-160.	1.8	6
22	Using Optical Attenuation Coefficient to Monitor the Efficacy of Fluoride and Nd:YAG Laser to Control Dentine Erosion. Applied Sciences (Switzerland), 2019, 9, 1485.	2.5	1
23	General model for depth-resolved estimation of the optical attenuation coefficients in optical coherence tomography. Journal of Biophotonics, 2019, 12, e201800402.	2.3	11
24	Evaluation of the Adhesive Strength in Dentin after Irradiation with Ti:Sapphire Ultrashort Laser Pulses. , 2019, , .		0
25	Advances in the prevention and monitoring of root dentin demineralization using lasers. , 2019, , .		2
26	Radiotherapy compositional and mechanical effects evaluation in radicular dentin by FTIR spectroscopy and microhardness testing. , 2019, , .		0
27	Evaluation of Intra Root Canal Er,Cr:YSGG Laser Irradiation on Prosthetic Post Adherence. Journal of Prosthodontics, 2019, 28, e181-e185.	3.7	6
28	Nd:YAG laser on dental enamel in the reduction of artificial caries demineralization. , 2019, , .		1
29	Optical Properties of Bovine Dentin When Irradiated by Nd:YAG and a Black Dentifrice Aimed at Treating Dentin Erosion. IFMBE Proceedings, 2019, , 847-850.	0.3	0
30	Label-free infrared spectroscopic imaging for characterization of necrotic tissue areas on cutaneous squamous cell carcinoma. , 2019, , .		0
31	Infrared spectroscopy evaluation of burn wound healing: semi-quantitative study. , 2019, , .		0
32	Assessing the spectrochemical signatures of skin components using FTIR microspectroscopy. , 2019, , .		0
33	Effect of Nd:YAG laser and aluminum oxide sandblasting preconditioning on lingual enamel: brackets shear bond strength and morphological characterization. , 2019, , .		0
34	K-means and Hierarchical Cluster Analysis as segmentation algorithms of FTIR hyperspectral images collected from cutaneous tissue. , 2018, , .		3
35	Biochemical characterization of skin burn wound healing using ATR-FTIR. , 2018, , .		2
36	Effectiveness and acid/tooth brushing resistance of in-office desensitizing treatmentsâ€™A hydraulic conductance study. Archives of Oral Biology, 2018, 96, 130-136.	1.8	22

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37	Effect of 830nm Diode Laser Irradiation of Root Canal on Bond Strength of Metal and Fiber Post. Photomedicine and Laser Surgery, 2018, 36, 439-444.	2.0	8
38	Vibrational spectra calculation of squamous cell carcinoma in the amide band region. Vibrational Spectroscopy, 2018, 97, 135-139.	2.2	3
39	A Comparative Study Between Acid-etching and Er,Cr:YSGG Laser Irradiation on Enamel Surface Evaluated by OCT and SEM. , 2018, , .		1
40	Variation on Molecular Structure, Crystallinity, and Optical Properties of Dentin Due to Nd:YAG Laser and Fluoride Aimed at Tooth Erosion Prevention. International Journal of Molecular Sciences, 2018, 19, 433.	4.1	26
41	The Use of Optical Coherence Tomography for the Evaluation of the Effects of an Infrared Laser on Dentin Demineralization. , 2018, , .		0
42	Discrimination of Ionizing Radiation Effects on Bone Using Fourier Transform Infrared Spectroscopy Using K-means. , 2018, , .		0
43	Diagnosis of advanced skin cancer using Infrared spectral histopathology. , 2018, , .		0
44	FTIR spectroscopy: an optical method to study wound healing process. , 2018, , .		0
45	Molecular analysis of human and bovine hydroxyapatite from dental enamel and dentin submitted to gamma radiation. , 2018, , .		0
46	Discrimination of Healthy Skin and Cutaneous Malignant Lesions using FTIR Spectra and their Second Derivatives: A Comparative Study. , 2018, , .		0
47	Wavelength comparison for laser induced breakdown spectroscopy caries detection. , 2018, , .		0
48	Mercury Amalgam Diffusion in Human Teeth Probed Using Femtosecond LIBS. Applied Spectroscopy, 2017, 71, 659-669.	2.2	9
49	Descriptive Analysis of In Vitro Cutting of Swine Mitral Cusps: Comparison of High-Power Laser and Scalpel Blade Cutting Techniques. Photomedicine and Laser Surgery, 2017, 35, 87-91.	2.0	0
50	The association between Nd:YAG laser and desensitizing dentifrices for the treatment of dentin hypersensitivity. Lasers in Medical Science, 2017, 32, 873-880.	2.1	17
51	Soldering mask laser removal from printed circuit boards aiming copper recycling. Waste Management, 2017, 68, 475-481.	7.4	6
52	Multimodal evaluation of ultra-short laser pulses treatment for skin burn injuries. Biomedical Optics Express, 2017, 8, 1575.	2.9	15
53	Biochemical Evaluation of Bone Submitted to Ionizing Radiation by ATR-FTIR Spectroscopy. , 2017, , .		0
54	Structural Characterization of Dentin Irradiated with Er,Cr:YSGG Laser and Fluoride for Caries Prevention. , 2017, , .		0

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55	3rd Symposium of Lasers In Dentistry. Brazilian Dental Science, 2017, 20, 5.	0.4	0
56	ATR-FTIR spectroscopy and multivariate analysis for thermal burned skin classification. , 2016, , .		1
57	Using Fourier transform infrared spectroscopy to evaluate biological effects induced by photodynamic therapy. Lasers in Surgery and Medicine, 2016, 48, 538-545.	2.1	7
58	Characterization of skin Portâ€Wine Stain and Hemangioma vascular lesions using Doppler <scp>OCT</scp>. Skin Research and Technology, 2016, 22, 223-229.	1.6	20
59	Optimization and therapeutic effects of PDT mediated by ALA and MAL in the treatment of cutaneous malignant lesions: A comparative study. Journal of Biophotonics, 2016, 9, 1355-1361.	2.3	4
60	The use of a high-power laser on swine mitral valve chordae tendineae. Lasers in Medical Science, 2016, 31, 1075-1081.	2.1	0
61	Evaluation of microshear bond strength of resin composites to enamel of dental adhesive systems associated with Er,Cr:YSGG laser. Proceedings of SPIE, 2016, , .	0.8	1
62	Effects of a Low-Intensity Laser on Dental Implant Osseointegration: Removal Torque and Resonance Frequency Analysis in Rabbits. Journal of Oral Implantology, 2016, 42, 316-320.	1.0	16
63	Hemangioma vascular lesion characterization by Optical Coherence Tomography attenuation coefficient. , 2016, , .		0
64	Chemometric methods applied to FTIR spectra to discriminate treated and non-treated cutaneous malignant lesions from healthy skin. , 2016, , .		0
65	The Use of Nd:YAG laser as an Alternative to Prevent Dentin Wear. , 2016, , .		0
66	Mid-Infrared Spectroscopy Analysis of the Effects of Erbium, Chromium:Yttrium-Scandium-Gallium-Garnet (Er,Cr:YSGG) Laser Irradiation on Bone Mineral and Organic Components. Applied Spectroscopy, 2015, 69, 1496-1504.	2.2	15
67	Characterization of caries progression on dentin after irradiation with Nd:YAG laser by FTIR spectroscopy and fluorescence imaging. , 2015, , .		2
68	The ablation threshold of Er;Cr:YSGG laser radiation in bone tissue. Proceedings of SPIE, 2015, , .	0.8	0
69	ATR-FTIR Spectroscopy for the Assessment of Biochemical Changes in Skin Due to Cutaneous Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2015, 16, 6621-6630.	4.1	43
70	Optical properties of human radicular dentin: ATR-FTIR characterization and dentine tubule direction influence on radicular post adhesion. , 2015, , .		0
71	Biochemical changes in cutaneous squamous cell carcinoma submitted to PDT using ATR-FTIR spectroscopy. , 2015, , .		0
72	In vitro evaluation of ionizing radiation effects in bone tissue by FTIR spectroscopy. Proceedings of SPIE, 2015, , .	0.8	0

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73	A simple dental caries detection system using full spectrum of laser-induced fluorescence. , 2015, , .		3
74	FTIR Spectroscopy Revealing the Effects of Laser and Ionizing Radiation on Biological Hard Tissues. Journal of the Brazilian Chemical Society, 2015, , .	0.6	7
75	The effect of desensitizing dentifrices on dentin wear and tubule occlusion. American Journal of Dentistry, 2015, 28, 297-302.	0.1	6
76	Imaging of nonlinear microscopy of burned skin treated by ultra-high intensity laser pulses. Biomedical Spectroscopy and Imaging, 2014, 3, 293-300.	1.2	1
77	ATR-FTIR spectroscopy to study the effects of laser irradiation in bone tissue. Biomedical Spectroscopy and Imaging, 2014, 3, 301-305.	1.2	1
78	The effect of an Er,Cr:YSGG laser on external adaptation of healthy and decayed cavities. Laser Physics, 2014, 24, 055602.	1.2	3
79	Real-time diagnosis of vascular lesions with OCT. , 2014, , .		0
80	Evaluation of squamous cell skin carcinoma using ATR-FTIR spectroscopy associated to cluster analysis. , 2014, , .		0
81	Evaluation of two quantitative analysis methods of optical coherence tomography for detection of enamel demineralization and comparison with microhardness. Lasers in Surgery and Medicine, 2014, 46, 666-671.	2.1	34
82	Noninvasive monitoring of photodynamic therapy on skin neoplastic lesions using the optical attenuation coefficient measured by optical coherence tomography. Journal of Biomedical Optics, 2014, 20, 051007.	2.6	5
83	Attenuated total reflection Fourier transform infrared (ATR-FTIR) spectroscopic analysis of regenerated bone. , 2014, , .		1
84	FT-Raman spectroscopic analysis of Nd:YAG and Er,Cr:YSGG laser irradiated enamel for preventive purposes. Laser Physics, 2014, 24, 035603.	1.2	5
85	Viability of imaging structures inside human dentin using dental transillumination. Proceedings of SPIE, 2014, , .	0.8	0
86	The characterization of normal thyroid tissue by micro-FTIR spectroscopy. Analyst, The, 2013, 138, 7094.	3.5	21
87	Clinical and microbiological evaluation of high intensity diode laser adjutant to non-surgical periodontal treatment: a 6-month clinical trial. Clinical Oral Investigations, 2013, 17, 87-95.	3.0	61
88	Dental Enamel Irradiated with a Low-Intensity Infrared Laser and Photoabsorbing Cream: A Study of Microhardness, Surface, and Pulp Temperature. Photomedicine and Laser Surgery, 2013, 31, 439-446.	2.0	9
89	Er,Cr:YSGG Laser Dentine Conditioning Improves Adhesion of a Glass Ionomer Cement. Photomedicine and Laser Surgery, 2013, 31, 453-460.	2.0	20
90	Effect of topical 5-ALA mediated photodynamic therapy on proliferation index of keratinocytes in 4-NQO-induced potentially malignant oral lesions. Journal of Photochemistry and Photobiology B: Biology, 2013, 126, 33-41.	3.8	9

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91	Temperature measurement and Hsp47 immunoexpression in oral ulcers irradiated with defocused high-energy diode laser. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 118, 42-48.	3.8	6
92	Temperature Increase at the Light Guide Tip of 15 Contemporary LED Units and Thermal Variation at the Pulpal Floor of Cavities: An Infrared Thermographic Analysis. <i>Operative Dentistry</i> , 2013, 38, 324-333.	1.2	24
93	Influence of Er,Cr:YSGG Laser on CaF ₂ -like products formation because of professional acidulated fluoride or to domestic dentifrice application. <i>Microscopy Research and Technique</i> , 2013, 76, 704-713.	2.2	16
94	Effect of Er,Cr:YSGG Laser and Professional Fluoride Application on Enamel Demineralization and on Fluoride Retention. <i>Caries Research</i> , 2012, 46, 441-451.	2.0	47
95	FTIR characterization of animal lung cells: normal and precancerous modified e10 cell line. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
96	Comparative analysis of optical coherence tomography signal and microhardness for demineralization evaluation of human tooth enamel. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
97	Effect of irradiation with red and infrared laser in the treatment of oral mucositis. <i>Lasers in Medical Science</i> , 2012, 27, 1233-1240.	2.1	16
98	Influence of Fixation Products Used in the Histological Processing in the FTIR Spectra of Lung Cells. <i>Spectroscopy</i> , 2012, 27, 399-402.	0.8	6
99	Effect of dental tissue conditioners and matrix metalloproteinase inhibitors on type I collagen microstructure analyzed by Fourier transform infrared spectroscopy. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1009-1016.	3.4	30
100	Stability of dental implants after irradiation with an 830-nm low-level laser: a double-blind randomized clinical study. <i>Lasers in Medical Science</i> , 2012, 27, 703-711.	2.1	60
101	FTIR spectroscopic analysis of chemical changes promoted by Er,Cr:YSGG laser and fluoride during dentin erosion. , 2012, , .		1
102	Exploring Bacterial Diversity of Endodontic Microbiota by Cloning and Sequencing 16S rRNA. <i>Journal of Endodontics</i> , 2011, 37, 922-926.	3.1	47
103	Detection of chemical changes in bone after irradiation with Er,Cr:YSGG laser. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
104	Dentine caries inhibition through CO ₂ laser (10.6 μ m) irradiation and fluoride application, in vitro. <i>Archives of Oral Biology</i> , 2011, 56, 533-539.	1.8	29
105	Characterization of third-degree burned skin by nonlinear microscopy technique. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
106	Changes in dental enamel oven heated or irradiated with Er,Cr:YSGG laser. Analysis by FTIR. <i>Laser Physics</i> , 2010, 20, 871-875.	1.2	19
107	Alterations in enamel remineralization in vitro induced by blue light. <i>Laser Physics</i> , 2010, 20, 1469-1474.	1.2	7
108	Diode laser irradiation effects on the sealing ability of root canal sealers. <i>Laser Physics</i> , 2010, 20, 1486-1490.	1.2	0

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109	The effect of power bleaching activated by several light sources on enamel microhardness. <i>Laser Physics</i> , 2010, 20, 1654-1658.	1.2	4
110	An in vitro thermal analysis during different light-activated hydrogen peroxide bleaching. <i>Laser Physics</i> , 2010, 20, 1833-1837.	1.2	14
111	Comparative analysis of root surface smear layer removal by different etching modalities or erbium:yttriumâ€“aluminumâ€“garnet laser irradiation. A scanning electron microscopy study. <i>Lasers in Medical Science</i> , 2010, 25, 485-491.	2.1	25
112	The influence of erbium:yttriumâ€“aluminumâ€“garnet laser ablation with variable pulse width on morphology and microleakage of composite restorations. <i>Lasers in Medical Science</i> , 2010, 25, 881-889.	2.1	28
113	Determination of ablation threshold for composite resins and amalgam irradiated with femtosecond laser pulses. <i>Laser Physics Letters</i> , 2010, 7, 236-241.	1.4	29
114	Changes in Dentin Collagen After Sample Grinding and Heating. <i>Spectroscopy Letters</i> , 2010, 43, 130-135.	1.0	2
115	CO ₂ Laser (10.6 μ m) Parameters for Caries Prevention in Dental Enamel. <i>Caries Research</i> , 2009, 43, 261-268.	2.0	66
116	Determination of dental decay rates with optical coherence tomography. <i>Laser Physics Letters</i> , 2009, 6, 896-900.	1.4	41
117	Nd:YAG laser in caries prevention: A clinical trial. <i>Lasers in Surgery and Medicine</i> , 2009, 41, 31-35.	2.1	78
118	Adhesion after erbium, chromium:yttrium-scandium-gallium-garnet laser application at three different irradiation conditions. <i>Lasers in Medical Science</i> , 2009, 24, 67-73.	2.1	43
119	Absorption and thermal study of dental enamel when irradiated with Nd:YAG laser with the aim of caries prevention. <i>Laser Physics</i> , 2009, 19, 1463-1469.	1.2	29
120	Inhibition of enamel remineralization with blue LED: an in vitro study. , 2009, , .		1
121	Fluoride uptake and acid resistance of enamel irradiated with Er:YAG laser. <i>Lasers in Medical Science</i> , 2008, 23, 141-147.	2.1	71
122	Nd:YAG laser clinical assisted in class II furcation treatment. <i>Lasers in Medical Science</i> , 2008, 23, 341-347.	2.1	33
123	Influence of the additional Er:YAG laser conditioning step on the microleakage of class V restorations. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 538-543.	3.4	15
124	Low-fluence CO ₂ laser irradiation decreases enamel solubility. <i>Laser Physics</i> , 2008, 18, 478-485.	1.2	20
125	LED Phototherapy to Prevent Mucositis: A Case Report. <i>Photomedicine and Laser Surgery</i> , 2008, 26, 609-613.	2.0	19
126	Three-dimensional finite element thermal analysis of dental tissues irradiated with Er,Cr:YSGG laser. <i>Review of Scientific Instruments</i> , 2008, 79, 093910.	1.3	17

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127	A Thermal Investigation of Dental Bleaching <i>in Vitro</i> . Photomedicine and Laser Surgery, 2008, 26, 489-493.	2.0	18
128	Autoclaving and battery capacity influence on laser fluorescence measurements. Acta Odontologica Scandinavica, 2008, 66, 122-127.	1.6	5
129	Microleakage of glass ionomer restoration in cavities prepared by Er,Cr:YSGG laser irradiation in primary teeth. Journal of Dentistry for Children, 2008, 75, 151-7.	0.2	10
130	Whitening techniques using the diode laser and halogen lamp in human devitalized primary teeth. Journal of Dentistry for Children, 2008, 75, 164-7.	0.2	4
131	Color and surface temperature variation during bleaching in human devitalized primary teeth: an in vitro study. Journal of Dentistry for Children, 2008, 75, 229-34.	0.2	6
132	Characterization of natural carious lesions by fluorescence spectroscopy at 405 nm excitation wavelength. Journal of Biomedical Optics, 2007, 12, 064013.	2.6	29
133	Effects of Diode Laser (810 nm) Irradiation on Root Canal Walls: Thermographic and Morphological Studies. Journal of Endodontics, 2007, 33, 252-255.	3.1	64
134	Bond Strength of Self-Etching Primer to Bur Cut, Er,Cr:YSGG, and Er:YAG Lased Dental Surfaces. Photomedicine and Laser Surgery, 2007, 25, 373-380.	2.0	88
135	Lasers in caries diagnosis and prevention. International Journal of Applied Electromagnetics and Mechanics, 2007, 25, 627-633.	0.6	4
136	Thermal analysis of teeth irradiated with Er,Cr:YSGG at low fluences. Laser Physics Letters, 2007, 4, 827-834.	1.4	42
137	Cultured epithelial cells response to phototherapy with low intensity laser. Lasers in Surgery and Medicine, 2007, 39, 365-372.	2.1	85
138	Ultrastructural and autoradiographical analysis show a faster skin repair in HeNe laser-treated wounds. Journal of Photochemistry and Photobiology B: Biology, 2007, 86, 87-96.	3.8	51
139	In vitro effect of phototherapy with low-intensity laser on HSV-1 and epithelial cells. , 2007, , .		3
140	Cavity generation in dental enamel using a copper-HyBrID laser. Journal of Materials Science: Materials in Medicine, 2007, 18, 1507-1513.	3.6	1
141	Effect of Er:YAG and Diode lasers on the adhesion of blood components and on the morphology of irradiated root surfaces. Journal of Periodontal Research, 2006, 41, 381-390.	2.7	48
142	Fluorescence Spectroscopy of Biological Tissues—A Review. Applied Spectroscopy Reviews, 2006, 41, 575-590.	6.7	117
143	The influence of pvc seal wrap and probe tips autoclaving on the in vitro performance of laser fluorescence device in occlusal caries in primary teeth. Journal of Clinical Pediatric Dentistry, 2006, 30, 306-309.	1.0	9
144	Chemical, Morphological and Thermal Effects of 10.6- μm CO ₂ Laser on the Inhibition of Enamel Demineralization. Dental Materials Journal, 2006, 25, 455-462.	1.8	66

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145	High beam quality in a HyBrID copper laser operating with an unstable resonator made of a concave mirror and a plano-convex BK7 lens. Optics and Laser Technology, 2006, 38, 523-527.	4.6	4
146	Lasers effects on enamel for caries prevention. Laser Physics, 2006, 16, 865-875.	1.2	82
147	Enamel and dentin irradiation with 9.6 μm CO ₂ and 2.94 μm Er:YAG lasers: bond strength evaluation. Laser Physics Letters, 2006, 3, 96-101.	1.4	31
148	Collagen birefringence in skin repair in response to red polarized-laser therapy. Journal of Biomedical Optics, 2006, 11, 024002.	2.6	33
149	Changes in chemical composition and collagen structure of dentine tissue after erbium laser irradiation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2634-2639.	3.9	69
150	Collagen absorption bands in heated and rehydrated dentine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 1045-1049.	3.9	34
151	Nanosecond Nd:YAG laser on dental enamel: compositional analysis by X-ray fluorescence. Laser Physics Letters, 2005, 2, 318-323.	1.4	26
152	Morphological evaluation of enamel and dentin irradiated with 9.6 μm CO ₂ and 2.94 μm Er:YAG lasers. Laser Physics Letters, 2005, 2, 551-555.	1.4	40
153	Effect of Er:YAG laser on enamel acid resistance: Morphological and atomic spectrometry analysis. Lasers in Surgery and Medicine, 2005, 37, 366-372.	2.1	86
154	Evaluation of enamel dental restoration interface by optical coherence tomography. Journal of Biomedical Optics, 2005, 10, 064027.	2.6	56
155	Cementum melting after dye-assisted holmium laser irradiation. Journal of Laser Applications, 2004, 16, 193-195.	1.7	1
156	Bound Energy of Water in Hard Dental Tissues. Spectroscopy Letters, 2004, 37, 565-579.	1.0	11
157	Comparative Study of Dentine Permeability after Apicectomy and Surface Treatment with 9.6 μm TEA CO ₂ and Er:YAG Laser Irradiation. Photomedicine and Laser Surgery, 2004, 22, 129-139.	0.9	41
158	Dental discolouration after thermal treatment. Archives of Oral Biology, 2004, 49, 233-238.	1.8	12
159	Crystalline structure of dental enamel after Ho:YLF laser irradiation. Archives of Oral Biology, 2004, 49, 923-929.	1.8	39
160	Chemical origin of the native ESR signals in thermally treated enamel and dentin. Physica B: Condensed Matter, 2004, 349, 119-123.	2.7	8
161	Effects of Low-Intensity Polarized Visible Laser Radiation on Skin Burns: A Light Microscopy Study. Photomedicine and Laser Surgery, 2004, 22, 59-66.	0.9	87
162	Determination of Beam Width and Quality for Pulsed Lasers Using the Knife-Edge Method. Instrumentation Science and Technology, 2003, 31, 47-52.	1.8	17

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163	Effect of Er:YAG and Diode Laser Irradiation on the Root Surface: Morphological and Thermal Analysis. <i>Journal of Periodontology</i> , 2003, 74, 838-843.	3.4	221
164	Effect of a high power diode laser irradiation in root canals contaminated with <i>Enterococcus faecalis</i> . â€œIn vitroâ€ study. <i>International Congress Series</i> , 2003, 1248, 273-276.	0.2	9
165	Infrared spectroscopy of dentin irradiated by erbium laser. <i>International Congress Series</i> , 2003, 1248, 153-156.	0.2	6
166	Infrared Absorption Bands of Enamel and Dentin Tissues from Human and Bovine Teeth. <i>Applied Spectroscopy Reviews</i> , 2003, 38, 1-14.	6.7	88
167	Electron Spin Resonanceâ€™Native Signal in Thermally Treated Dental Tissue. <i>Spectroscopy Letters</i> , 2003, 36, 487-499.	1.0	5
168	Analysis of Ca/P ratio in dental enamel irradiated with short pulse laser. , 2003, 4829, 1006.		0
169	Effects of 1047-nm Neodymium Laser Radiation on Skin Wound Healing. <i>Photomedicine and Laser Surgery</i> , 2002, 20, 37-40.	0.9	36
170	Morphologic analysis, by means of scanning electron microscopy, of the effect of Er: YAG laser on root surfaces submitted to scaling and root planing. <i>Pesquisa Odontol\u00f3gica Brasileira = Brazilian Oral Research</i> , 2002, 16, 308-312.	0.3	12
171	Comparison of linear polarization degree in healthy and wounded rat skin. , 2001, , .		1
172	Evaluation of two laser systems for intracanal irradiation. , 1999, , .		6
173	<title>Histological study of wound healing in rats following He-Ne and GaAlAs laser radiation</title>. , 1998, 3569, 50.		0
174	COMPARATIVE STUDY OF THE SHEAR BOND STRENGTH OF COMPOSITE RESIN TO DENTAL ENAMEL CONDITIONED WITH PHOSPHORIC ACID OR Nd: YAG LASER. <i>Revista De Odontologia Da Universidade De Sao Paulo</i> , 1997, 11, 245-248.	0.0	4
175	Temperature changes under Ho:YLF irradiation. , 1996, , .		10
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