Airton A Martin

List of Publications by Year
in descending order

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202 papers	3,312 citations	186265 28 h-index	206112 48 g-index
203 all docs	203 docs citations	203 times ranked	4113 citing authors

#	Article	IF	Citations
1	Complex nanoemulsion for vitamin delivery: droplet organization and interaction with skin membranes. Nanoscale, 2022, 14, 506-514.	5.6	19
2	In vivo determination of dermal water content in chronological skin aging by confocal Raman spectroscopy. Vibrational Spectroscopy, 2021, 112, 103196.	2.2	9
3	Confocal Raman spectroscopy as a tool to assess advanced glycation end products on solar-exposed human skin. Vibrational Spectroscopy, 2021, 114, 103234.	2.2	6
4	Unraveling the molecular and cellular mechanisms of stretch marks. Journal of Cosmetic Dermatology, 2020, 19, 190-198.	1.6	11
5	Can ethanol affect the cell structure? A dynamic molecular and Raman spectroscopy study. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101675.	2.6	4
6	Effect of blue light irradiation on human skin by in vivo confocal Raman spectroscopy. , 2020, , .		0
7	In vivo Raman spectroscopic characterization of papillary thyroid carcinoma. Vibrational Spectroscopy, 2019, 101, 1-9.	2.2	7
8	In vivo Raman spectroscopic characteristics of different sites of the oral mucosa in healthy volunteers. Clinical Oral Investigations, 2019, 23, 3021-3031.	3.0	24
9	Combined in vivo confocal Raman spectroscopy and density functional theory to detect carboxymethyl(lysine) in the human stratum corneum. Vibrational Spectroscopy, 2019, 100, 40-47.	2.2	4
10	Evaluation of penetration process into young and elderly skin using confocal Raman spectroscopy. Vibrational Spectroscopy, 2019, 100, 123-130.	2.2	9
11	Short-term and long-term effects of osteoporosis on incisor teeth and femoral bones evaluated by Raman spectroscopy and energy dispersive X-ray analysis in ovariectomized rats. Journal of Bone and Mineral Metabolism, 2019, 37, 18-27.	2.7	5
12	Targets of photodyamic inactivation in fungal cells. , 2019, , .		0
13	Enhanced infrared absorption in a comparative study between multi-sensitive and multiresistant bacteria of the genus Klebsiella sp.. Vibrational Spectroscopy, 2018, 96, 83-92.	2.2	1
14	DFT application for chlorin derivatives photosensitizer drugs modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 68-74.	3.9	4
15	In vivo study of dermal collagen of striae distensae by confocal Raman spectroscopy. Lasers in Medical Science, 2018, 33, 609-617.	2.1	4
16	Comparative study of transdermal drug delivery systems of resveratrol: High efficiency of deformable liposomes. Materials Science and Engineering C, 2018, 90, 356-364.	7.3	35
17	Infrared and confocal Raman spectroscopy to differentiate changes in the protein secondary structure in normal and abnormal thyroid tissues. Journal of Raman Spectroscopy, 2018, 49, 1165-1173.	2.5	9
18	In Vivo Human Skin Penetration Study of Sunscreens by Confocal Raman Spectroscopy. AAPS PharmSciTech, 2018, 19, 753-760.	3.3	26

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19	Effect of nonâ€thermal atmospheric plasma on the dentinâ€surface topography and composition and on the bond strength of a universal adhesive. European Journal of Oral Sciences, 2018, 126, 53-65.	1.5	16
20	Effects of experimental bleaching agents on the mineral content of sound and demineralized enamels. Journal of Applied Oral Science, 2018, 26, e20170589.	1.8	43
21	An FT-Raman, FT-IR, and Quantum Chemical Investigation of Stanozolol and Oxandrolone. Biosensors, 2018, 8, 2.	4.7	8
22	In vitro effects of alcohol-containing mouthwashes on human enamel and restorative materials. Brazilian Oral Research, 2018, 32, e25.	1.4	21
23	In Vivo Determination of Moisturizers Efficacy on Human Skin Hydration by Confocal Raman Spectroscopy. AAPS PharmSciTech, 2018, 19, 3177-3186.	3.3	16
24	Analysis of molecular markers as predictive factors of lymph node involvement in breast carcinoma. Oncology Letters, 2017, 13, 488-496.	1.8	8
25	In vivo confocal Raman spectroscopy and molecular dynamics analysis of penetration of retinyl acetate into stratum corneum. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 279-285.	3.9	20
26	In vivo Confocal Raman Spectroscopic Analysis of the Effects of Infrared Radiation in the Human Skin Dermis. Photochemistry and Photobiology, 2017, 93, 613-618.	2.5	8
27	Micro-Raman spectroscopic study of thyroid tissues. Photodiagnosis and Photodynamic Therapy, 2017, 17, 164-172.	2.6	16
28	Photodynamic damage predominates on different targets depending on cell growth phase of Candida albicans. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 76-84.	3.8	14
29	In vivo confocal Raman spectroscopy for intrinsic aging and photoaging assessment. Journal of Dermatological Science, 2017, 88, 199-206.	1.9	14
30	Raman spectroscopic analysis of oral cells in the high wavenumber region. Experimental and Molecular Pathology, 2017, 103, 255-262.	2.1	19
31	Raman spectral post-processing for oral tissue discrimination â€“ a step for an automatized diagnostic system. Biomedical Optics Express, 2017, 8, 5218.	2.9	28
32	Molecular and morphological surface analysis: effect of filling pastes and cleaning agents on root dentin. Journal of Applied Oral Science, 2017, 25, 101-111.	1.8	4
33	CaracterizaÃ§Ã£o no Infravermelho (IV) e EletrÃ´nica de superfÃcie (MEV) de membranas assimÃ©tricas Ã base de Poli (acrilonitrila-co-acetato de vinila). Revista Materia, 2017, 22, .	0.2	1
34	Estudo de linfonodos por espectroscopia Raman confocal. Mundo Da Saude, 2017, 41, 30-39.	0.1	0
35	DFT:B3LYP/3-21G theoretical insights on the confocal Raman experimental observations in skin dermis of healthy young, healthy elderly, and diabetic elderly women. Journal of Biomedical Optics, 2016, 21, 125002.	2.6	3
36	Statistical strategies to reveal potential vibrational markers forin vivoanalysis by confocal Raman spectroscopy. Journal of Biomedical Optics, 2016, 21, 075010.	2.6	2

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37	In vivo intra- and inter-individual variability study of human stratum corneum by confocal Raman spectroscopy. Vibrational Spectroscopy, 2016, 87, 199-206.	2.2	0
38	Fluorescence spectroscopy of teeth and bones of rats to assess demineralization: In vitro, in vivo and ex vivo studies. Journal of Photochemistry and Photobiology B: Biology, 2016, 165, 291-297.	3.8	8
39	Molecular structure, natural bond analysis, vibrational and electronic spectra, surface enhanced Raman scattering and Mulliken atomic charges of the normal modes of [Mn(DDTC) 2] complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 95-107.	3.9	25
40	Assessment of penetration of Ascorbyl Tetraisopalmitate into biological membranes by molecular dynamics. Computers in Biology and Medicine, 2016, 75, 151-159.	7.0	10
41	Optical fiber Raman-based spectroscopy for oral lesions characterization: a pilot study. Proceedings of SPIE, 2016, , .	0.8	0
42	Detection of advanced glycation end products (AGEs) on human skin by in vivo confocal Raman spectroscopy. , 2016, , .		1
43	FT-IR spectroscopy characterization of schwannoma: a case study. , 2016, , .		0
44	Biochemical and molecular characterization of thyroid tissue by micro-Raman spectroscopy and gene expression analysis. Proceedings of SPIE, 2016, , .	0.8	1
45	In vivo confocal Raman spectroscopy study of the vitamin A derivative perfusion through human skin. Proceedings of SPIE, 2016, , .	0.8	1
46	Raman spectroscopy and immunohistochemistry for schwannoma characterization: a case study. Proceedings of SPIE, 2016, , .	0.8	0
47	In vitroeffects of hydrogen peroxide combined with different activators for the in-office bleaching technique on enamel. Acta Odontologica Scandinavica, 2015, 73, 516-521.	1.6	12
48	RM1 semi empirical and DFT: B3LYP/3-21G theoretical insights on the confocal Raman experimental observations in qualitative water content of the skin dermis of healthy young, healthy elderly and diabetic elderly womenâ€™s. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 1009-1019.	3.9	18
49	Applications of Raman spectroscopy in life science. Proceedings of SPIE, 2015, , .	0.8	0
50	Raman spectroscopic analysis of oral squamous cell carcinoma and oral dysplasia in the high-wavenumber region. Proceedings of SPIE, 2015, , .	0.8	2
51	Analysis of the in vivo confocal Raman spectral variability in human skin. Proceedings of SPIE, 2015, , .	0.8	1
52	Confocal Raman study of aging process in diabetes mellitus human voluntaries. Proceedings of SPIE, 2015, , .	0.8	1
53	In Vitro and in Vivo Studies of Novel Poly(<scp>d</scp>,<scp>l</scp>-lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. ACS Applied Materials & Interfaces, 2015, 7, 9385-9398.	8.0	57
54	Surface enhanced Raman scattering, natural bond orbitals and Mulliken atomic charge distribution in the normal modes of diethyldithiocarbamate cadmium (II) complex, [Cd(DDTC)2]. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 192-203.	3.9	9

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55	Study of the vitamins A, E and C esters penetration into the skin by confocal Raman spectroscopy in vivo. , 2015, , .		1
56	Effects of Bleaching Agents Combined with Regular and Whitening Toothpastes on Surface Roughness and Mineral Content of Enamel. Photomedicine and Laser Surgery, 2015, 33, 378-383.	2.0	11
57	FT Raman spectroscopy in the study of human teeth under medications demineralization. Proceedings of SPIE, 2015, , .	0.8	0
58	Confocal Raman spectroscopy: In vivo biochemical changes in the human skin by topical formulations under UV radiation. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 51-58.	3.8	23
59	Monomer conversion, microhardness, internal marginal adaptation, and shrinkage stress of bulk-fill resin composites. Dental Materials, 2015, 31, 1542-1551.	3.5	203
60	Analysis of DNA Nanosensors Interactions via Density Functional Theory. Sensor Letters, 2015, 13, 318-323.	0.4	1
61	Confocal Raman Spectroscopy as an Optical Sensor to Detect Advanced Glycation End Products of the Skin Dermis. Sensor Letters, 2015, 13, 791-801.	0.4	14
62	Biochemical imaging of normal, adenoma, and colorectal adenocarcinoma tissues by Fourier transform infrared spectroscopy (FTIR) and morphological correlation by histopathological analysis: preliminary results. Research on Biomedical Engineering, 2015, 31, 10-18.	2.2	4
63	DNA Surface Grafting and Gold Nanosensor. Sensor Letters, 2015, 13, 273-280.	0.4	0
64	Evaluation of inorganic and organic bone components after application of an apatite-coated Al2O3 implants as scaffolds for bone repair. Brazilian Archives of Biology and Technology, 2014, 57, 334-339.	0.5	7
65	Influence of mycosporine-like amino acids and gadusol on the rheology and Raman spectroscopy of polymer gels. Biorheology, 2014, 51, 315-328.	0.4	3
66	FT-Raman spectroscopic study of skin wound healing in diabetic rats treated with Cenostigma macrophyllum Tul. Revista Brasileira De Engenharia Biomedica, 2014, 30, 47-53.	0.3	5
67	Effects of low-power LED and therapeutic ultrasound in the tissue healing and inflammation in a tendinitis experimental model in rats. Lasers in Medical Science, 2014, 29, 301-311.	2.1	17
68	Apoptosis-associated genes related to photodynamic therapy in breast carcinomas. Lasers in Medical Science, 2014, 29, 1429-1436.	2.1	12
69	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
70	Ribosomal DNA Nanoprobes studied by Fourier Transform Infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 28-35.	3.9	10
71	Confocal Raman spectroscopy: determination of natural moisturizing factor profile related to skin hydration. Revista Brasileira De Engenharia Biomedica, 2014, 30, 11-16.	0.3	19
72	Study of advanced rheumatoid arthritis. Revista Brasileira De Engenharia Biomedica, 2014, 30, 54-63.	0.3	7

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73	Surface enhanced Raman scattering, electronic spectrum and Mulliken charge distribution in the normal modes of bis(diethyldithiocarbamate)zinc(II) complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 110, 443-449.	3.9	15
74	Assessment of Changes in Mineral Components in Bone Repair After Laser Therapy and Pharmacotherapy by Ï¼-EDX: A New Potential Tool in Medical Diagnostics. Photomedicine and Laser Surgery, 2013, 31, 378-385.	2.0	4
75	Surface enhanced Raman scattering, electronic spectrum, natural bond orbital, and mulliken charge distribution in the normal modes of diethyldithiocarbamate copper (II) complex, [Cu(DDTC)2]. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 546-555.	3.9	26
76	FT-Raman Spectroscopy Study of Organic Matrix Degradation in Nanofilled Resin Composite. Microscopy and Microanalysis, 2013, 19, 327-334.	0.4	7
77	Fourier Transform Infrared and Raman spectra, DFT: B3LYP/6-311G(d, p) calculations and structural properties of bis(diethyldithiocarbamate)copper(II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 259-266.	3.9	20
78	Phenylalanine ab initio models for the simulation of skin natural moisturizing factor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 73-79.	3.9	5
79	DFT: B3LYP/6-311G (d, p) vibrational analysis of bis-(diethyldithiocarbamate)zinc (II) and natural bond orbitals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 251-258.	3.9	29
80	Surface enhancement Raman scattering of tautomeric thiobarbituric acid. Natural bond orbitals and B3LYP/6-311+G (d, p) assignments of the Fourier Infrared and Fourier Raman Spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 475-485.	3.9	15
81	Phenylalanine gas phase and solvated models applied to skin NMF simulation by DFT calculations. Proceedings of SPIE, 2013, , .	0.8	0
82	FT-Raman spectroscopy: a useful tool in measuring resin composite degradation?. Future Medicinal Chemistry, 2013, 5, 1599-1601.	2.3	1
83	Relationship between the chemical and morphological characteristics of human dentin after Er:YAG laser irradiation. Journal of Biomedical Optics, 2013, 18, 068001.	2.6	5
84	DNA nanosensor surface grafting and salt dependence. Proceedings of SPIE, 2013, , .	0.8	0
85	Morphological and chemical evaluation of bone with apatite-coated Al2O3 implants as scaffolds for bone repair. Ceramica, 2013, 59, 533-538.	0.8	6
86	Human and Bovine Dentin Composition and Its Hybridization Mechanism Assessed by FT-Raman Spectroscopy. Journal of Spectroscopy, 2013, 2013, 1-7.	1.3	5
87	Morphological and chemical changes in dentin after using endodontic agents: Fourier transform Raman spectroscopy, energy-dispersive x-ray fluorescence spectrometry, and scanning electron microscopy study. Journal of Biomedical Optics, 2012, 17, 0750081.	2.6	36
88	Buccal microbiology analyzed by infrared spectroscopy. Proceedings of SPIE, 2012, , .	0.8	0
89	Identification of Paracoccidioides brasiliensis by gold nanoprobes. , 2012, , .		5
90	Biochemical differentiation of mycelium and yeast forms of Paracoccidioides brasiliensis by Fourier transform infrared spectroscopy. , 2012, , .		0

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91	Study of aggressiveness prediction of mammary adenocarcinoma by Raman spectroscopy. Proceedings of SPIE, 2012, , .	0.8	1
92	A rheumatoid arthritis study by Fourier transform infrared spectroscopy. Proceedings of SPIE, 2012, , .	0.8	2
93	Characterization and bioactivity study of nanohydroxyapatite on superhydrophilic vertically aligned carbon nanotubes using optical techniques. Proceedings of SPIE, 2012, , .	0.8	1
94	Micro Energy-Dispersive X-Ray Fluoresence Mapping of Enamel and Dental Materials after Chemical Erosion. Microscopy and Microanalysis, 2012, 18, 1112-1117.	0.4	13
95	Molecular structure, natural bond analysis, vibrational, and electronic spectra of aspartateguanidoacetatenickel(II), [Ni(Asp)(GAA)]Â·H2O: DFT quantum mechanical calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 1041-1051.	3.9	12
96	An experimental and theoretical approach of spectroscopic and structural properties of the bis(diethyldithiocarbamate)â€“cobalt(II). Journal of Molecular Structure, 2012, 1029, 119-134.	3.6	6
97	Glicemical Analysis of Human Blood Serum Using FT-Raman: A New Approach. Photomedicine and Laser Surgery, 2012, 30, 388-392.	2.0	6
98	Raman Spectroscopic Investigation of the Effects of Cosmetic Formulations on the Constituents and Properties of Human Skin. Photomedicine and Laser Surgery, 2012, 30, 85-91.	2.0	22
99	Scanning Electron Microscopy and Roughness Study of Dental Composite Degradation. Microscopy and Microanalysis, 2012, 18, 289-294.	0.4	10
100	Erosion effects on chemical composition and morphology of dental materials and root dentin. Microscopy Research and Technique, 2012, 75, 703-710.	2.2	22
101	Influence of creatine supplementation on bone quality in the ovariectomized rat model: an FT-Raman spectroscopy study. Lasers in Medical Science, 2012, 27, 487-495.	2.1	24
102	AnÃ¡lise da composiÃ§Ã£o bioquÃmica da pele por espectroscopia Raman. Revista Brasileira De Engenharia Biomedica, 2012, 28, 278-287.	0.3	11
103	Energy dispersive Xâ€ray spectrometry study of the protective effects of fluoride varnish and gel on enamel erosion. Microscopy Research and Technique, 2011, 74, 839-844.	2.2	28
104	Effects of heating by steam autoclaving and Er:YAG laser etching on dentin components. Lasers in Medical Science, 2011, 26, 605-613.	2.1	9
105	A Rheumatoid arthritis study using Raman spectroscopy. Theoretical Chemistry Accounts, 2011, 130, 1211-1220.	1.4	17
106	High-wavenumber FT-Raman spectroscopy for in vivo and ex vivo measurements of breast cancer. Theoretical Chemistry Accounts, 2011, 130, 1231-1238.	1.4	39
107	In and ex vivo breast disease study by Raman spectroscopy. Theoretical Chemistry Accounts, 2011, 130, 1239-1247.	1.4	24
108	Overview of the use of theory to understand infrared and Raman spectra and images of biomolecules: colorectal cancer as an example. Theoretical Chemistry Accounts, 2011, 130, 1261-1273.	1.4	16

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109	Effects of the Addition of Fluoride and Calcium to Low-Concentrated Carbamide Peroxide Agents on the Enamel Surface and Subsurface. Photomedicine and Laser Surgery, 2011, 29, 319-325.	2.0	48
110	Evaluation of human serum of severe rheumatoid arthritis by confocal Raman spectroscopy. , 2010, , .		0
111	Evaluation of thyroid tissue by Raman spectroscopy. Proceedings of SPIE, 2010, , .	0.8	1
112	In vivo diagnosis of mammary adenocarcinoma using Raman spectroscopy: an animal model study. Proceedings of SPIE, 2010, , .	0.8	2
113	Raman spectroscopy study of breast disease. Theoretical Chemistry Accounts, 2010, 125, 329-334.	1.4	33
114	Conversion Degree of Indirect Resin Composites and Effect of Thermocycling on Their Physical Properties. Journal of Prosthodontics, 2010, 19, 218-225.	3.7	62
115	Influence of the photoinitiator system and light photoactivation units on the degree of conversion of dental composites. Brazilian Oral Research, 2010, 24, 475-481.	1.4	31
116	FT-Raman spectroscopy for the differentiation between cutaneous melanoma and pigmented nevus. Acta Cirurgica Brasileira, 2010, 25, 351-356.	0.7	23
117	Differential diagnosis in primary and metastatic cutaneous melanoma by FT-Raman spectroscopy. Acta Cirurgica Brasileira, 2010, 25, 434-439.	0.7	17
118	In vivo Raman spectroscopy of biochemical changes in human skin by cosmetic application. Proceedings of SPIE, 2010, , .	0.8	0
119	Spectral Region Optimization for Raman-Based Optical Biopsy of Inflammatory Lesions. Photomedicine and Laser Surgery, 2010, 28, S-111-S-117.	2.0	13
120	FT-Raman and Energy Dispersive X-Ray Fluorescence Spectrometric Analyses of Enamel Submitted to 38% Hydrogen Peroxide Bleaching, an Acidic Beverage, and Simulated Brushing. Photomedicine and Laser Surgery, 2010, 28, 391-396.	2.0	27
121	Effects of Combined Use of Light Irradiation and 35% Hydrogen Peroxide for Dental Bleaching on Human Enamel Mineral Content. Photomedicine and Laser Surgery, 2010, 28, 533-538.	2.0	38
122	FT-IR microspectroscopy in rapid identification of bacteria in pure and mixed culture. Proceedings of SPIE, 2010, , .	0.8	0
123	Growth and characterization of single crystal fibers of Nd³⁺:NaLa(WO₄)₂. Journal of Physics: Conference Series, 2010, 249, 012043.	0.4	1
124	Effect of Light Energy Density on Conversion Degree and Hardness of Dual-cured Resin Cement. Operative Dentistry, 2010, 35, 120-124.	1.2	27
125	Shifted-excitation Raman difference spectroscopy for in vitro and in vivo biological samples analysis. Biomedical Optics Express, 2010, 1, 617.	2.9	35
126	Cancer Diagnosis by Optical Spectroscopy. , 2010, , .		0

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127	The Determination of Biochemical Changes of Women Skin Layers as Function of Aging by Confocal Raman Spectroscopy. , 2010, , .		0
128	DNA Purifications Protocols for Fourier Transform Infrared Spectroscopy. , 2010, , .		1
129	Fourier Transformâ€“Raman and Reflectance Studies on Dental Enamel Bleached with Hydrogen Peroxide Activated Using a Light-Emitting Diodeâ€“Laser System. Photomedicine and Laser Surgery, 2009, 27, 913-919.	2.0	7
130	Dental Enamel Irradiated with Infrared Diode Laser and Photo-Absorbing Cream: Part 2â€”EDX Study. Photomedicine and Laser Surgery, 2009, 27, 771-782.	2.0	22
131	Physical and Compositional Changes on Demineralized Primary Enamel Induced by CO₂ Laser. Photomedicine and Laser Surgery, 2009, 27, 585-590.	2.0	28
132	Dental Enamel Irradiated with Infrared Diode Laser and Photoabsorbing Cream: Part 1â€”FT-Raman Study. Photomedicine and Laser Surgery, 2009, 27, 499-507.	2.0	26
133	Effects of Er:YAG laser irradiation and manipulation treatments on dentin components, part 1: Fourier transform-Raman study. Journal of Biomedical Optics, 2009, 14, 024001.	2.6	29
134	Effects of Er:YAG laser irradiation and manipulation treatments on dentin components, part 2: energy-dispersive X-ray fluorescence spectrometry study. Journal of Biomedical Optics, 2009, 14, 024002.	2.6	18
135	Mineral distribution and CLSM analysis of secondary caries inhibition by fluoride/MDPB-containing adhesive system after cariogenic challenges. Journal of Dentistry, 2009, 37, 307-314.	4.1	33
136	Thyroid tissue analysis through Raman spectroscopy. Analyst, The, 2009, 134, 2361.	3.5	38
137	Diagnosis of degenerative lesions of supraspinatus rotator cuff tendons by Fourier transform-Raman spectroscopy. Journal of Biomedical Optics, 2008, 13, 014018.	2.6	18
138	NaOCl effects on primary and permanent pulp chamber dentin. Journal of Dentistry, 2008, 36, 745-753.	4.1	17
139	Role of cervicitis in the Raman-based optical diagnosis of cervical intraepithelial neoplasia. Journal of Biomedical Optics, 2008, 13, 054029.	2.6	12
140	DNA Extraction Systematics for Spectroscopic Studies. Sensors, 2008, 8, 3624-3632.	3.8	4
141	Can Raman spectroscopy identify the origin of Paget disease?. Proceedings of SPIE, 2008, , .	0.8	0
142	In vivo Raman spectroscopy for breast cancer: diagnosis in animal model. , 2008, , .		2
143	Classification of the degenerative grade of lesions of supraspinatus rotator cuff tendons by FT-Raman spectroscopy. , 2007, 6445, 149.		1
144	Combined Effects of Carbon Dioxide Laser and Fluoride on Demineralized Primary Enamel: An in vitro Study. Caries Research, 2007, 41, 74-76.	2.0	43

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145	FT-Raman Spectra of the Border of Infiltrating Ductal Carcinoma Lesions. Photomedicine and Laser Surgery, 2007, 25, 455-460.	2.0	10
146	Er:YAG laser irradiation on dentin: FT-Raman and SEM studies. , 2007, , .		1
147	Raman spectra of pigmented skin conditions. , 2007, , .		2
148	Influence of Fiber-post Translucency on the Degree of Conversion of a Dual-cured Resin Cement. Journal of Endodontics, 2007, 33, 303-305.	3.1	83
149	The Effect of Soft-start Polymerization by Second Generation LEDs on the Degree of Conversion of Resin Composite. Operative Dentistry, 2007, 32, 160-165.	1.2	47
150	Combined FT-Raman and SEM Studies of the Effects of Er:YAG Laser Irradiation on Dentin. Photomedicine and Laser Surgery, 2007, 25, 239-244.	2.0	28
151	Effects of Treatment for Manipulation of Teeth and Er:YAG Laser Irradiation on Dentin: A Raman Spectroscopy Analysis. Photomedicine and Laser Surgery, 2007, 25, 50-57.	2.0	17
152	New perspectives about molecular arrangement of primary and permanent dentin. Applied Surface Science, 2007, 254, 1498-1505.	6.1	18
153	Study of normal colorectal tissue by FT-Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2007, 387, 1643-1648.	3.7	86
154	Near-Infrared Raman Spectroscopy for Oral Carcinoma Diagnosis. Photomedicine and Laser Surgery, 2006, 24, 348-353.	2.0	80
155	Molecular analysis of Er:YAG laser irradiation on dentin. Brazilian Dental Journal, 2006, 17, 15-19.	1.1	10
156	Chemical, Morphological and Thermal Effects of 10.6-.MU.m CO2 Laser on the Inhibition of Enamel Demineralization. Dental Materials Journal, 2006, 25, 455-462.	1.8	66
157	Effects of the CO 2 laser combined with fluoridated toothpaste on human dental enamel demineralization. , 2006, , .		0
158	Analysis of the photodynamic therapy effects by using chloroaluminum phthalocyanine incorporated into liposomes and fractionation energy in colon tumors of rats. , 2006, 6139, 236.		0
159	Study of human breast tissues biochemistry by FT-Raman spectroscopy. , 2006, , .		0
160	Comparative study of first- and second-order Raman spectra of MWCNT at visible and infrared laser excitation. Carbon, 2006, 44, 2202-2211.	10.3	408
161	Biochemical analysis of human breast tissues using Fourier-transform Raman spectroscopy. Journal of Biomedical Optics, 2006, 11, 054001.	2.6	54
162	Fourier-transform Raman spectroscopy study of human dentin irradiated with Er:YAG laser. , 2005, , .		1

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163	Breast cancer diagnosis using FT-RAMAN spectroscopy. , 2005, , .		2
164	Assessment of enamel chemistry composition and its relationship with caries susceptibility. , 2005, 5687, 132.		0
165	Photoacoustic analysis of dental resin polymerization. European Physical Journal Special Topics, 2005, 125, 793-795.	0.2	3
166	Raman spectroscopy study of atherosclerosis in human carotid artery. Journal of Biomedical Optics, 2005, 10, 031117.	2.6	79
167	Monomer conversion of composite dental resins photoactivated by a halogen lamp and a LED: a FT-Raman spectroscopy study. Quimica Nova, 2005, 28, 229-232.	0.3	11
168	Origin of theA1gandB1gelectronic Raman scattering peaks in the superconducting state ofYBa2Cu3O7âˆ'Î´. Physical Review B, 2004, 69, .	3.2	8
169	Vickerâ€™s hardness and Raman spectroscopy evaluation of a dental composite cured by an argon laser and a halogen lamp. Journal of Biomedical Optics, 2004, 9, 601.	2.6	36
170	Diagnosis of squamous cell carcinoma of human skin by Raman spectroscopy. , 2004, 5326, 106.		5
171	Application of principal components analysis to diagnosis hamster oral carcinogenesis: Raman study. , 2004, 5321, 111.		3
172	The use of hyperbaric oxygen therapy and LED therapy in diabetic foot. , 2004, 5312, 47.		2
173	<title>Raman study of human dentin irradiated with Er:YAG laser</title>. , 2004, , .		0
174	FT-Raman spectroscopy study of human breast tissue. , 2004, , .		6
175	Principal components analysis of FT-Raman spectra of ex vivo basal cell carcinoma. , 2004, , .		5
176	Sunscreen effects in skin analyzed by photoacoustic spectroscopy. , 2004, , .		0
177	Er:YAG laser irradiation of human dentin: Raman study of collagen. , 2004, , .		0
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