

# Airton A Martin

## List of Publications by Year in descending order

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202  
papers

3,312  
citations

186265

28  
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48  
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203  
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203  
docs citations

203  
times ranked

4113  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Monomer conversion, microhardness, internal marginal adaptation, and shrinkage stress of bulk-fill resin composites. Dental Materials, 2015, 31, 1542-1551.	3.5	203
3	Study of normal colorectal tissue by FT-Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2007, 387, 1643-1648.	3.7	86
4	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
5	Near-Infrared Raman Spectroscopy for Oral Carcinoma Diagnosis. Photomedicine and Laser Surgery, 2006, 24, 348-353.	2.0	80
6	Raman spectroscopy study of atherosclerosis in human carotid artery. Journal of Biomedical Optics, 2005, 10, 031117.	2.6	79
7	Chemical, Morphological and Thermal Effects of 10.6- $\mu\text{m}$ CO <sub>2</sub> Laser on the Inhibition of Enamel Demineralization. Dental Materials Journal, 2006, 25, 455-462.	1.8	66
8	Conversion Degree of Indirect Resin Composites and Effect of Thermocycling on Their Physical Properties. Journal of Prosthodontics, 2010, 19, 218-225.	3.7	62
9	<i>In Vitro</i> and <i>In Vivo</i> Studies of Novel Poly( $\text{D,L}$ -lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. ACS Applied Materials & Interfaces, 2015, 7, 9385-9398.	8.0	57
10	Biochemical analysis of human breast tissues using Fourier-transform Raman spectroscopy. Journal of Biomedical Optics, 2006, 11, 054001.	2.6	54
11	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
12	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
13	Combined Effects of Carbon Dioxide Laser and Fluoride on Demineralized Primary Enamel: An <i>in vitro</i> Study. Caries Research, 2007, 41, 74-76.	2.0	43
14	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
15	High-wavenumber FT-Raman spectroscopy for <i>in vivo</i> and <i>ex vivo</i> measurements of breast cancer. Theoretical Chemistry Accounts, 2011, 130, 1231-1238.	1.4	39
16	Thyroid tissue analysis through Raman spectroscopy. Analyst, The, 2009, 134, 2361.	3.5	38
17	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
18	Vicker'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

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19	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. <i>Journal of Biomedical Optics</i> , 2012, 17, 0750081.	2.6	36
20	Shifted-excitation Raman difference spectroscopy for in vitro and in vivo biological samples analysis. <i>Biomedical Optics Express</i> , 2010, 1, 617.	2.9	35
21	Comparative study of transdermal drug delivery systems of resveratrol: High efficiency of deformable liposomes. <i>Materials Science and Engineering C</i> , 2018, 90, 356-364.	7.3	35
22	Role of the E2g phonon in the superconductivity of MgB2: a Raman scattering study. <i>Solid State Communications</i> , 2003, 125, 499-502.	1.9	34
23	Mineral distribution and CLSM analysis of secondary caries inhibition by fluoride/MDPB-containing adhesive system after cariogenic challenges. <i>Journal of Dentistry</i> , 2009, 37, 307-314.	4.1	33
24	Raman spectroscopy study of breast disease. <i>Theoretical Chemistry Accounts</i> , 2010, 125, 329-334.	1.4	33
25	Influence of the photoinitiator system and light photoactivation units on the degree of conversion of dental composites. <i>Brazilian Oral Research</i> , 2010, 24, 475-481.	1.4	31
26	FT-Raman spectroscopy study for skin cancer diagnosis. <i>Spectroscopy</i> , 2003, 17, 597-602.	0.8	30
27	Effects of Er:YAG laser irradiation and manipulation treatments on dentin components, part 1: Fourier transform-Raman study. <i>Journal of Biomedical Optics</i> , 2009, 14, 024001.	2.6	29
28	DFT: B3LYP/6-311G (d, p) vibrational analysis of bis-(diethyldithiocarbamate)zinc (II) and natural bond orbitals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 251-258.	3.9	29
29	Combined FT-Raman and SEM Studies of the Effects of Er:YAG Laser Irradiation on Dentin. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 239-244.	2.0	28
30	Physical and Compositional Changes on Demineralized Primary Enamel Induced by CO <sub>2</sub> Laser. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 585-590.	2.0	28
31	Energy dispersive X-ray spectrometry study of the protective effects of fluoride varnish and gel on enamel erosion. <i>Microscopy Research and Technique</i> , 2011, 74, 839-844.	2.2	28
32	Raman spectral post-processing for oral tissue discrimination – a step for an automatized diagnostic system. <i>Biomedical Optics Express</i> , 2017, 8, 5218.	2.9	28
33	FT-Raman and Energy Dispersive X-Ray Fluorescence Spectrometric Analyses of Enamel Submitted to 38% Hydrogen Peroxide Bleaching, an Acidic Beverage, and Simulated Brushing. <i>Photomedicine and Laser Surgery</i> , 2010, 28, 391-396.	2.0	27
34	Effect of Light Energy Density on Conversion Degree and Hardness of Dual-cured Resin Cement. <i>Operative Dentistry</i> , 2010, 35, 120-124.	1.2	27
35	Dental Enamel Irradiated with Infrared Diode Laser and Photoabsorbing Cream: Part 1 – FT-Raman Study. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 499-507.	2.0	26
36	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]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 546-555.	3.9	26

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37	In Vivo Human Skin Penetration Study of Sunscreens by Confocal Raman Spectroscopy. <i>AAPS PharmSciTech</i> , 2018, 19, 753-760.	3.3	26
38	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 95-107.	3.9	25
39	In and ex vivo breast disease study by Raman spectroscopy. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1239-1247.	1.4	24
40	Influence of creatine supplementation on bone quality in the ovariectomized rat model: an FT-Raman spectroscopy study. <i>Lasers in Medical Science</i> , 2012, 27, 487-495.	2.1	24
41	In vivo Raman spectroscopic characteristics of different sites of the oral mucosa in healthy volunteers. <i>Clinical Oral Investigations</i> , 2019, 23, 3021-3031.	3.0	24
42	Degree of Conversion of Composite Resin: A Raman Study. <i>Photomedicine and Laser Surgery</i> , 2003, 21, 357-362.	0.9	23
43	FT-Raman spectroscopy for the differentiation between cutaneous melanoma and pigmented nevus. <i>Acta Cirurgica Brasileira</i> , 2010, 25, 351-356.	0.7	23
44	Confocal Raman spectroscopy: In vivo biochemical changes in the human skin by topical formulations under UV radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 51-58.	3.8	23
45	Infrared study of crystal-field excitations in NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>6</sub> . <i>Physical Review B</i> , 1999, 59, 6528-6533.	3.2	22
46	Dental Enamel Irradiated with Infrared Diode Laser and Photo-Absorbing Cream: Part 2 – EDX Study. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 771-782.	2.0	22
47	Raman Spectroscopic Investigation of the Effects of Cosmetic Formulations on the Constituents and Properties of Human Skin. <i>Photomedicine and Laser Surgery</i> , 2012, 30, 85-91.	2.0	22
48	Erosion effects on chemical composition and morphology of dental materials and root dentin. <i>Microscopy Research and Technique</i> , 2012, 75, 703-710.	2.2	22
49	Infrared reflectivity and vibrational structure of superconducting Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Physical Review B</i> , 1989, 39, 7255-7258.	3.2	21
50	In vitro effects of alcohol-containing mouthwashes on human enamel and restorative materials. <i>Brazilian Oral Research</i> , 2018, 32, e25.	1.4	21
51	Fourier Transform Infrared and Raman spectra, DFT: B3LYP/6-311G(d, p) calculations and structural properties of bis(diethylthiocarbamate)copper(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 259-266.	3.9	20
52	In vivo confocal Raman spectroscopy and molecular dynamics analysis of penetration of retinyl acetate into stratum corneum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 279-285.	3.9	20
53	Using the laser-induced fluorescence spectroscopy in the differentiation between normal and neoplastichuman breast tissue. <i>Lasers in Medical Science</i> , 2003, 18, 171-176.	2.1	19
54	Raman spectroscopic analysis of oral cells in the high wavenumber region. <i>Experimental and Molecular Pathology</i> , 2017, 103, 255-262.	2.1	19

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55	Confocal Raman spectroscopy: determination of natural moisturizing factor profile related to skin hydration. <i>Revista Brasileira De Engenharia Biomedica</i> , 2014, 30, 11-16.	0.3	19
56	Complex nanoemulsion for vitamin delivery: droplet organization and interaction with skin membranes. <i>Nanoscale</i> , 2022, 14, 506-514.	5.6	19
57	New perspectives about molecular arrangement of primary and permanent dentin. <i>Applied Surface Science</i> , 2007, 254, 1498-1505.	6.1	18
58	Diagnosis of degenerative lesions of supraspinatus rotator cuff tendons by Fourier transform-Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2008, 13, 014018.	2.6	18
59	Effects of Er:YAG laser irradiation and manipulation treatments on dentin components, part 2: energy-dispersive X-ray fluorescence spectrometry study. <i>Journal of Biomedical Optics</i> , 2009, 14, 024002.	2.6	18
60	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 women. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 1009-1019.	3.9	18
61	Effects of Treatment for Manipulation of Teeth and Er:YAG Laser Irradiation on Dentin: A Raman Spectroscopy Analysis. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 50-57.	2.0	17
62	NaOCl effects on primary and permanent pulp chamber dentin. <i>Journal of Dentistry</i> , 2008, 36, 745-753.	4.1	17
63	Differential diagnosis in primary and metastatic cutaneous melanoma by FT-Raman spectroscopy. <i>Acta Cirurgica Brasileira</i> , 2010, 25, 434-439.	0.7	17
64	A Rheumatoid arthritis study using Raman spectroscopy. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1211-1220.	1.4	17
65	Effects of low-power LED and therapeutic ultrasound in the tissue healing and inflammation in a tendinitis experimental model in rats. <i>Lasers in Medical Science</i> , 2014, 29, 301-311.	2.1	17
66	Infrared transmission study of crystal-field excitations in $\text{Sm}^{1+x}\text{Ba}_2\text{Cu}_3\text{O}_{6+y}$ . <i>Physical Review B</i> , 2001, 63, .	3.2	16
67	Overview of the use of theory to understand infrared and Raman spectra and images of biomolecules: colorectal cancer as an example. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1261-1273.	1.4	16
68	Micro-Raman spectroscopic study of thyroid tissues. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 17, 164-172.	2.6	16
69	Effect of non-thermal atmospheric plasma on the dentin surface topography and composition and on the bond strength of a universal adhesive. <i>European Journal of Oral Sciences</i> , 2018, 126, 53-65.	1.5	16
70	In Vivo Determination of Moisturizers Efficacy on Human Skin Hydration by Confocal Raman Spectroscopy. <i>AAPS PharmSciTech</i> , 2018, 19, 3177-3186.	3.3	16
71	Surface enhanced Raman scattering, electronic spectrum and Mulliken charge distribution in the normal modes of bis(diethyldithiocarbamate)zinc(II) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 443-449.	3.9	15
72	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 475-485.	3.9	15

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73	Photodynamic damage predominates on different targets depending on cell growth phase of <i>Candida albicans</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 177, 76-84.	3.8	14
74	In vivo confocal Raman spectroscopy for intrinsic aging and photoaging assessment. <i>Journal of Dermatological Science</i> , 2017, 88, 199-206.	1.9	14
75	Confocal Raman Spectroscopy as an Optical Sensor to Detect Advanced Glycation End Products of the Skin Dermis. <i>Sensor Letters</i> , 2015, 13, 791-801.	0.4	14
76	Spectral Region Optimization for Raman-Based Optical Biopsy of Inflammatory Lesions. <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-111-S-117.	2.0	13
77	Micro Energy-Dispersive X-Ray Fluorescence Mapping of Enamel and Dental Materials after Chemical Erosion. <i>Microscopy and Microanalysis</i> , 2012, 18, 1112-1117.	0.4	13
78	Oxygen isotope effect on the vibrational modes of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 254, 222-232.	1.2	12
79	Role of cervicitis in the Raman-based optical diagnosis of cervical intraepithelial neoplasia. <i>Journal of Biomedical Optics</i> , 2008, 13, 054029.	2.6	12
80	Molecular structure, natural bond analysis, vibrational, and electronic spectra of aspartateguanidoacetatenickel(II), $[\text{Ni}(\text{Asp})(\text{GAA})]\cdot\text{H}_2\text{O}$ : DFT quantum mechanical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1041-1051.	3.9	12
81	Apoptosis-associated genes related to photodynamic therapy in breast carcinomas. <i>Lasers in Medical Science</i> , 2014, 29, 1429-1436.	2.1	12
82	<i>In vitro</i> effects of hydrogen peroxide combined with different activators for the in-office bleaching technique on enamel. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 516-521.	1.6	12
83	Comment on "Superconducting Gap Anisotropy vs Doping Level in High-Tc Cuprates". <i>Physical Review Letters</i> , 1997, 78, 4891-4891.	7.8	11
84	Effects of Bleaching Agents Combined with Regular and Whitening Toothpastes on Surface Roughness and Mineral Content of Enamel. <i>Photomedicine and Laser Surgery</i> , 2015, 33, 378-383.	2.0	11
85	Unraveling the molecular and cellular mechanisms of stretch marks. <i>Journal of Cosmetic Dermatology</i> , 2020, 19, 190-198.	1.6	11
86	Monomer conversion of composite dental resins photoactivated by a halogen lamp and a LED: a FT-Raman spectroscopy study. <i>Quimica Nova</i> , 2005, 28, 229-232.	0.3	11
87	Análise da composição bioquímica da pele por espectroscopia Raman. <i>Revista Brasileira De Engenharia Biomedica</i> , 2012, 28, 278-287.	0.3	11
88	Molecular analysis of Er:YAG laser irradiation on dentin. <i>Brazilian Dental Journal</i> , 2006, 17, 15-19.	1.1	10
89	FT-Raman Spectra of the Border of Infiltrating Ductal Carcinoma Lesions. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 455-460.	2.0	10
90	Scanning Electron Microscopy and Roughness Study of Dental Composite Degradation. <i>Microscopy and Microanalysis</i> , 2012, 18, 289-294.	0.4	10

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91	Ribosomal DNA Nanoprobes studied by Fourier Transform Infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 28-35.	3.9	10
92	Assessment of penetration of Ascorbyl Tetraisopalmitate into biological membranes by molecular dynamics. <i>Computers in Biology and Medicine</i> , 2016, 75, 151-159.	7.0	10
93	Effects of heating by steam autoclaving and Er:YAG laser etching on dentin components. <i>Lasers in Medical Science</i> , 2011, 26, 605-613.	2.1	9
94	Surface enhanced Raman scattering, natural bond orbitals and Mulliken atomic charge distribution in the normal modes of diethyldithiocarbamate cadmium (II) complex, [Cd(DDTC) <sub>2</sub> ]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 192-203.	3.9	9
95	Infrared and confocal Raman spectroscopy to differentiate changes in the protein secondary structure in normal and abnormal thyroid tissues. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1165-1173.	2.5	9
96	Evaluation of penetration process into young and elderly skin using confocal Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 100, 123-130.	2.2	9
97	In vivo determination of dermal water content in chronological skin aging by confocal Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2021, 112, 103196.	2.2	9
98	Origin of the A <sub>1g</sub> and B <sub>1g</sub> electronic Raman scattering peaks in the superconducting state of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physical Review B</i> , 2004, 69, .	3.2	8
99	Fluorescence spectroscopy of teeth and bones of rats to assess demineralization: In vitro, in vivo and ex vivo studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 291-297.	3.8	8
100	Analysis of molecular markers as predictive factors of lymph node involvement in breast carcinoma. <i>Oncology Letters</i> , 2017, 13, 488-496.	1.8	8
101	<i>In vivo</i> Confocal Raman Spectroscopic Analysis of the Effects of Infrared Radiation in the Human Skin Dermis. <i>Photochemistry and Photobiology</i> , 2017, 93, 613-618.	2.5	8
102	An FT-Raman, FT-IR, and Quantum Chemical Investigation of Stanozolol and Oxandrolone. <i>Biosensors</i> , 2018, 8, 2.	4.7	8
103	Fourier Transform Raman and Reflectance Studies on Dental Enamel Bleached with Hydrogen Peroxide Activated Using a Light-Emitting Diode Laser System. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 913-919.	2.0	7
104	FT-Raman Spectroscopy Study of Organic Matrix Degradation in Nanofilled Resin Composite. <i>Microscopy and Microanalysis</i> , 2013, 19, 327-334.	0.4	7
105	Evaluation of inorganic and organic bone components after application of an apatite-coated Al <sub>2</sub> O <sub>3</sub> implants as scaffolds for bone repair. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 334-339.	0.5	7
106	In vivo Raman spectroscopic characterization of papillary thyroid carcinoma. <i>Vibrational Spectroscopy</i> , 2019, 101, 1-9.	2.2	7
107	Study of advanced rheumatoid arthritis. <i>Revista Brasileira De Engenharia Biomedica</i> , 2014, 30, 54-63.	0.3	7
108	Effects of Pb doping on the Raman spectrum of Bi <sub>2</sub> Sr <sub>2</sub> CuO <sub>6</sub> + $\delta$ . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 216, 463-470.	1.2	6

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109	FT-Raman spectroscopy study of human breast tissue. , 2004, , .		6
110	An experimental and theoretical approach of spectroscopic and structural properties of the bis(diethylthiocarbamate)â€cobalt(II). Journal of Molecular Structure, 2012, 1029, 119-134.	3.6	6
111	Glicemical Analysis of Human Blood Serum Using FT-Raman: A New Approach. Photomedicine and Laser Surgery, 2012, 30, 388-392.	2.0	6
112	Morphological and chemical evaluation of bone with apatite-coated Al <sub>2</sub> O <sub>3</sub> implants as scaffolds for bone repair. Ceramica, 2013, 59, 533-538.	0.8	6
113	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
114	Weak ferromagnetism above TN in Gd <sub>2</sub> CuO <sub>4</sub> . Physica B: Condensed Matter, 2001, 305, 48-55.	2.7	5
115	Diagnosis of squamous cell carcinoma of human skin by Raman spectroscopy. , 2004, 5326, 106.		5
116	Principal components analysis of FT-Raman spectra of ex vivo basal cell carcinoma. , 2004, , .		5
117	Identification of Paracoccidioides brasiliensis by gold nanoprobos. , 2012, , .		5
118	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
119	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
120	Human and Bovine Dentin Composition and Its Hybridization Mechanism Assessed by FT-Raman Spectroscopy. Journal of Spectroscopy, 2013, 2013, 1-7.	1.3	5
121	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
122	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
123	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
124	Biochemical changes between normal and BCC tissue: a FT-Raman study. , 2003, 4955, 546.		4
125	DNA Extraction Systematics for Spectroscopic Studies. Sensors, 2008, 8, 3624-3632.	3.8	4
126	Assessment of Changes in Mineral Components in Bone Repair After Laser Therapy and Pharmacotherapy by <sup>14</sup> C-EDX: A New Potential Tool in Medical Diagnostics. Photomedicine and Laser Surgery, 2013, 31, 378-385.	2.0	4



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127	Molecular and morphological surface analysis: effect of filling pastes and cleaning agents on root dentin. <i>Journal of Applied Oral Science</i> , 2017, 25, 101-111.	1.8	4
128	DFT application for chlorin derivatives photosensitizer drugs modeling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 195, 68-74.	3.9	4
129	In vivo study of dermal collagen of striae distensae by confocal Raman spectroscopy. <i>Lasers in Medical Science</i> , 2018, 33, 609-617.	2.1	4
130	Combined in vivo confocal Raman spectroscopy and density functional theory to detect carboxymethyl(lysine) in the human stratum corneum. <i>Vibrational Spectroscopy</i> , 2019, 100, 40-47.	2.2	4
131	Can ethanol affect the cell structure? A dynamic molecular and Raman spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101675.	2.6	4
132	Biochemical imaging of normal, adenoma, and colorectal adenocarcinoma tissues by Fourier transform infrared spectroscopy (FTIR) and morphological correlation by histopathological analysis: preliminary results. <i>Research on Biomedical Engineering</i> , 2015, 31, 10-18.	2.2	4
133	Modelo de calibra�o da concentra�o de metilmetacrilato em solu�o aquosa utilizando espectroscopia de absor�o no ultravioleta. <i>Quimica Nova</i> , 2003, 26, 850-854.	0.3	4
134	Application of principal components analysis to diagnosis hamster oral carcinogenesis: Raman study. , 2004, 5321, 111.		3
135	Characterization of human skin through photoacoustic spectroscopy. , 2004, , .		3
136	Photoacoustic analysis of dental resin polymerization. <i>European Physical Journal Special Topics</i> , 2005, 125, 793-795.	0.2	3
137	Influence of mycosporine-like amino acids and gadusol on the rheology and Raman spectroscopy of polymer gels. <i>Biorheology</i> , 2014, 51, 315-328.	0.4	3
138	DFT:B3LYP/3-21G theoretical insights on the confocal Raman experimental observations in skin dermis of healthy young, healthy elderly, and diabetic elderly women. <i>Journal of Biomedical Optics</i> , 2016, 21, 125002.	2.6	3
139	Crystal field effect on the f-levels of $R_{1+x}Ba_2xCu_3O_{6+\delta}$ (R=Sm,Nd). <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 985-987.	2.3	2
140	The use of hyperbaric oxygen therapy and LED therapy in diabetic foot. , 2004, 5312, 47.		2
141	Breast cancer diagnosis using FT-RAMAN spectroscopy. , 2005, , .		2
142	Raman spectra of pigmented skin conditions. , 2007, , .		2
143	In vivo Raman spectroscopy for breast cancer: diagnosis in animal model. , 2008, , .		2
144	In vivo diagnosis of mammary adenocarcinoma using Raman spectroscopy: an animal model study. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2

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145	A rheumatoid arthritis study by Fourier transform infrared spectroscopy. Proceedings of SPIE, 2012, , .	0.8	2
146	Raman spectroscopic analysis of oral squamous cell carcinoma and oral dysplasia in the high-wavenumber region. Proceedings of SPIE, 2015, , .	0.8	2
147	Statistical strategies to reveal potential vibrational markers for in vivo analysis by confocal Raman spectroscopy. Journal of Biomedical Optics, 2016, 21, 075010.	2.6	2
148	Optical Study of Crystal-Field Excitation in (R)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Single Crystals. Physica Status Solidi (B): Basic Research, 2000, 220, 475-482.	1.5	1
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