

# Marcos Tadeu Tavares Pacheco

## List of Publications by Year in descending order

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157  
papers

3,166  
citations

147801

31  
h-index

189892

50  
g-index

163  
all docs

163  
docs citations

163  
times ranked

3466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosing COVID-19 in human serum using Raman spectroscopy. <i>Lasers in Medical Science</i> , 2022, 37, 2217-2226.	2.1	15
2	Discriminação entre gasolinas comum e adulterada por técnica de espectroscopia Raman e análise de componente principal (PCA) e lógica paraconsistente anotada (LPA) / Discrimination between regular and adulterated gasoline by Raman spectroscopy technique and principal component analysis (PCA) and paraconsistent annotated logic (PLE). <i>Brazilian Journal of Development</i> , 2022, 8, 390-410.	0.1	0
3	A Análise de Vibração em Tubulações de Processo e o Emprego de Diretrizes Normativas na Prevenção de Falha por Fadiga Associada a FIV: Estudo de Caso / The Analysis of Vibration in Process Piping and the Use of Normative Guidelines in the Prevention of Failure due to Fatigue Associated with FIV: A Case Study. <i>Brazilian Journal of Development</i> , 2022, 8, 10830-10837.	0.1	0
4	Biochemical characterization of pathogenic bacterial species using Raman spectroscopy and discrimination model based on selected spectral features. <i>Lasers in Medical Science</i> , 2021, 36, 289-302.	2.1	23
5	Temperature-Induced Chemical Changes in Lubricant Automotive Oils Evaluated Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2021, 75, 145-155.	2.2	1
6	Raman spectroscopy for the identification of differences in the composition of automobile lubricant oils related to SAE specifications and additives. <i>Instrumentation Science and Technology</i> , 2021, 49, 164-181.	1.8	2
7	Paraconsistent Annotated Logic Algorithms Applied in Management and Control of Communication Network Routes. <i>Sensors</i> , 2021, 21, 4219.	3.8	5
8	Detecting creatine excreted in the urine of swimming athletes by means of Raman spectroscopy. <i>Lasers in Medical Science</i> , 2020, 35, 455-464.	2.1	6
9	Normal-subtracted preprocessing of Raman spectra aiming to discriminate skin actinic keratosis and neoplasias from benign lesions and normal skin tissues. <i>Lasers in Medical Science</i> , 2020, 35, 1141-1151.	2.1	8
10	Quantification of anhydrous ethanol and detection of adulterants in commercial Brazilian gasoline by Raman spectroscopy. <i>Instrumentation Science and Technology</i> , 2019, 47, 90-106.	1.8	11
11	Analysis of Raman spectroscopy data with algorithms based on paraconsistent logic for characterization of skin cancer lesions. <i>Vibrational Spectroscopy</i> , 2019, 103, 102929.	2.2	12
12	Identification of Metabolites in Urine of Physical Exercise Practitioners by Raman Spectroscopy. <i>IFMBE Proceedings</i> , 2019, , 821-824.	0.3	0
13	Discrimination of non-melanoma skin cancer and keratosis from normal skin tissue in vivo and ex vivo by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 100, 131-141.	2.2	22
14	Multivariate Method Based on Raman Spectroscopy for Quantification of Dipyrone in Oral Solutions. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-10.	1.3	4
15	Detecting urine metabolites related to training performance in swimming athletes by means of Raman spectroscopy and principal component analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 223-234.	3.8	22
16	Detecting active ingredients of insect repellents and sunscreens topically in skin by Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	11
17	Analysis of Human Tooth Pulp Chamber Temperature After 670nm Laser Irradiation: In Vitro Study. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 515-519.	2.0	4
18	Quantifying glucose and lipid components in human serum by Raman spectroscopy and multivariate statistics. <i>Lasers in Medical Science</i> , 2017, 32, 787-795.	2.1	35

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19	Biochemical changes on the repair of surgical bone defects grafted with biphasic synthetic micro-granular HA + $\beta$ -tricalcium phosphate induced by laser and LED phototherapies and assessed by Raman spectroscopy. <i>Lasers in Medical Science</i> , 2017, 32, 663-672.	2.1	15
20	Raman spectroscopy applied to identify metabolites in urine of physically active subjects. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 92-99.	3.8	28
21	Quantification of cocaine in ternary mixtures using partial least squares regression applied to Raman and Fourier transform infrared spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1732-1743.	2.5	36
22	Effects of continuous vs interval exercise training on oxygen uptake efficiency slope in patients with coronary artery disease. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, e4890.	1.5	25
23	Effect of exercise training on ventilatory efficiency in patients with heart disease: a review. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, .	1.5	7
24	Paraconsistent analysis network applied in the treatment of Raman spectroscopy data to support medical diagnosis of skin cancer. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1453-1467.	2.8	14
25	Raman spectroscopy in forensic analysis: identification of cocaine and other illegal drugs of abuse. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 28-38.	2.5	133
26	Characterization of nutritional parameters in bovine milk by Raman spectroscopy with least squares modeling. <i>Instrumentation Science and Technology</i> , 2016, 44, 85-97.	1.8	16
27	Discrimination of non-melanoma skin lesions from non-tumor human skin tissues <i>in vivo</i> using Raman spectroscopy and multivariate statistics. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 6-16.	2.1	36
28	Identification of Different Forms of Cocaine and Substances Used in Adulteration Using Near-Infrared Raman Spectroscopy and Infrared Absorption Spectroscopy. <i>Journal of Forensic Sciences</i> , 2015, 60, 171-178.	1.6	44
29	Could the bone mineral density (T-score) be correlated with the Raman spectral features of keratin from women's nails and be used to predict osteoporosis?. <i>Lasers in Medical Science</i> , 2015, 30, 287-294.	2.1	4
30	Safflower oil: an integrated assessment of phytochemistry, antiulcerogenic activity, and rodent and environmental toxicity. <i>Revista Brasileira De Farmacognosia</i> , 2014, 24, 538-544.	1.4	21
31	Discrimination of prostate carcinoma from benign prostate tissue fragments <i>in vitro</i> by estimating the gross biochemical alterations through Raman spectroscopy. <i>Lasers in Medical Science</i> , 2014, 29, 1469-1477.	2.1	13
32	Raman Spectroscopy: New Perspectives for Its Clinical Application in Diagnosis. <i>Photomedicine and Laser Surgery</i> , 2013, 31, 463-465.	2.0	4
33	Discriminating Neoplastic and Normal Brain Tissues <i>in Vitro</i> Through Raman Spectroscopy: A Principal Components Analysis Classification Model. <i>Photomedicine and Laser Surgery</i> , 2013, 31, 595-604.	2.0	35
34	Discriminating model for skin cancer diagnosis <i>in vivo</i> through Raman spectroscopy. , 2013, , .		0
35	Could the differences in the biochemistry of prostate carcinoma compared to benign prostate tissue biopsy fragments be evaluated through Raman spectroscopy?. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
36	Diagnosing basal cell carcinoma <i>in vivo</i> by near-infrared Raman spectroscopy: a Principal Components Analysis discrimination algorithm. , 2012, , .		3

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37	Discrimination of Basal Cell Carcinoma and Melanoma from Normal Skin Biopsies <i>in Vitro</i> Through Raman Spectroscopy and Principal Component Analysis. <i>Photomedicine and Laser Surgery</i> , 2012, 30, 381-387.	2.0	65
38	Could Raman spectroscopy discriminate the biochemical alterations among prostate carcinoma and benign prostate tissues? An <i>in vitro</i> study. , 2012, , .		1
39	QUANTIFICATION OF BINARY MIXTURES OF COCAINE AND ADULTERANTS USING DISPERSIVE RAMAN AND FT-IR SPECTROSCOPY AND PRINCIPAL COMPONENT REGRESSION. <i>Instrumentation Science and Technology</i> , 2012, 40, 441-456.	1.8	29
40	Discriminating model for diagnosis of basal cell carcinoma and melanoma <i>in vitro</i> based on the Raman spectra of selected biochemicals. <i>Journal of Biomedical Optics</i> , 2012, 17, 077003.	2.6	67
41	Differential diagnosis between experimental endophthalmitis and uveitis in vitreous with Raman spectroscopy and principal components analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 107, 73-78.	3.8	9
42	Dispersive Raman spectroscopy for the <i>in vitro</i> identification and quantification of injected vancomycin intra-vitreous. <i>Spectroscopy</i> , 2011, 25, 103-112.	0.8	4
43	Classification model based on Raman spectra of selected morphological and biochemical tissue constituents for identification of atherosclerosis in human coronary arteries. <i>Lasers in Medical Science</i> , 2011, 26, 645-655.	2.1	21
44	Effects of Different Swimming Exercise Intensities on Bone Tissue Composition in Mice: A Raman Spectroscopy Study. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 217-225.	2.0	10
45	Diagnostic model based on Raman spectra of normal, hyperplasia and prostate adenocarcinoma tissues <i>in vitro</i> . <i>Spectroscopy</i> , 2011, 25, 89-102.	0.8	6
46	Automated diagnosis and treatment by lasers employing Raman spectroscopy and catheter with optical fibers. <i>Spectroscopy</i> , 2011, 25, 147-154.	0.8	1
47	The effect of the association of near infrared laser therapy, bone morphogenetic proteins, and guided bone regeneration on tibial fractures treated with internal rigid fixation: A Raman spectroscopic study. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1257-1263.	4.0	27
48	Effects of laser phototherapy on bone defects grafted with mineral trioxide aggregate, bone morphogenetic proteins, and guided bone regeneration: A Raman spectroscopic study. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 1041-1047.	4.0	30
49	Near-infrared Raman spectroscopy to detect anti-Toxoplasma gondii antibody in blood sera of domestic cats: quantitative analysis based on partial least-squares multivariate statistics. <i>Journal of Biomedical Optics</i> , 2010, 15, 047002.	2.6	13
50	Use of 660-nm Diode Laser in the Prevention and Treatment of Human Oral Mucositis Induced by Radiotherapy and Chemotherapy. <i>Photomedicine and Laser Surgery</i> , 2010, 28, 233-237.	2.0	63
51	DISCRETE WAVELET TRANSFORM FOR DENOISING RAMAN SPECTRA OF HUMAN SKIN TISSUES USED IN A DISCRIMINANT DIAGNOSTIC ALGORITHM. <i>Instrumentation Science and Technology</i> , 2010, 38, 268-282.	1.8	14
52	Raman Spectroscopy Validation of DIAGNOdent-Assisted Fluorescence Readings on Tibial Fractures Treated with Laser Phototherapy, BMPs, Guided Bone Regeneration, and Miniplates. <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-89-S-97.	2.0	16
53	Exercise Order Interacts With Rest Interval During Upper-Body Resistance Exercise. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 1573-1577.	2.1	40
54	Classification Model for Skin Cancer Diagnosis <i>In Vitro</i> Using Raman Spectroscopy. , 2010, , .		0

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55	Diagnostic Model for Differentiating Human Malignant Prostate Lesion from Normal Tissue in Vitro by Raman Spectroscopy. , 2010, , .		0
56	Differentiating Normal and Basal Cell Carcinoma Human Skin Tissues <i>In Vitro</i> Using Dispersive Raman Spectroscopy: A Comparison Between Principal Components Analysis and Simplified Biochemical Models. Photomedicine and Laser Surgery, 2010, 28, S-119-S-127.	2.0	46
57	Raman spectroscopy for differential diagnosis of endophthalmitis and uveitis in rabbit iris in vitro. Experimental Eye Research, 2010, 91, 362-368.	2.6	10
58	Determination of sucrose concentration in lemon-type soft drinks by dispersive Raman spectroscopy. Spectroscopy, 2009, 23, 217-226.	0.8	18
59	Optimizing the Raman signal for characterizing organic samples: The effect of slit aperture and exposure time. Spectroscopy, 2009, 23, 71-80.	0.8	15
60	Use of dispersive Raman spectroscopy to detect the cytotoxic action of <i>viscum album</i> in adenocarcinoma of colon. Journal of Laser Applications, 2009, 21, 163-168.	1.7	5
61	Classification System of Raman Spectra using Cluster Analysis to Diagnose Coronary Artery Lesions. Instrumentation Science and Technology, 2009, 37, 327-344.	1.8	5
62	Force, Reaction Time, and Precision of Kung Fu Strikes. Perceptual and Motor Skills, 2009, 109, 295-303.	1.3	16
63	The effects of low-level light emitting diode on the repair process of Achilles tendon therapy in rats. Lasers in Medical Science, 2009, 24, 659-665.	2.1	47
64	Catheters: instrumental advancements in biomedical applications of optical fibers. Lasers in Medical Science, 2009, 24, 621-626.	2.1	5
65	ProRaman: a program to classify Raman spectra. Analyst, The, 2009, 134, 1203.	3.5	4
66	USE OF DISPERSIVE RAMAN SPECTROSCOPY IN THE DETERMINATION OF UNSATURATED FAT IN COMMERCIAL EDIBLE OIL- AND FAT-CONTAINING INDUSTRIALIZED FOODS. Instrumentation Science and Technology, 2009, 38, 107-123.	1.8	20
67	A Novel Opto-Mechanical System Coupled to a Spectrophotometer for Measuring Coatings on Small Size Substrates and Optical Fiber Filters. Instrumentation Science and Technology, 2009, 37, 544-556.	1.8	1
68	Laser-Induced Fluorescence at 488Ånm Excitation for Detecting Benign and Malignant Lesions in Stomach Mucosa. Journal of Fluorescence, 2008, 18, 35-40.	2.5	31
69	Detection of Polymolecular Associations in Hydrophobized Chitosan Derivatives using Fluorescent Probes. Journal of Fluorescence, 2008, 18, 973-977.	2.5	6
70	Fluorescence Spectroscopy for Diagnostic Differentiation in Uteriâ€™s Cervix Biopsies with Cervical/Vaginal Atypical Cytology. Journal of Fluorescence, 2008, 18, 979-985.	2.5	10
71	Radiative quantum efficiency of CdSe/ZnS core-shell colloidal solutions: Size-dependence. Optics Communications, 2008, 281, 5925-5928.	2.1	14
72	Independent Component Analysis Applied to Raman Spectra for Classification of <i>In Vitro</i> Human Coronary Arteries. Instrumentation Science and Technology, 2008, 36, 134-145.	1.8	13

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73	Comparison of Force, Power, and Striking Efficiency for a Kung Fu Strike Performed by Novice and Experienced Practitioners: Preliminary Analysis. Perceptual and Motor Skills, 2008, 106, 188-196.	1.3	15
74	Fluorescence and Reflectance Spectroscopy for Identification of Atherosclerosis in Human Carotid Arteries Using Principal Components Analysis. Photomedicine and Laser Surgery, 2008, 26, 329-335.	2.0	6
75	Structural Evaluation of Mechanically Alloyed Ti-Nb Powders. Materials Science Forum, 2008, 591-593, 141-146.	0.3	2
76	Cytotoxicity of Octal-Bromide Zinc Phthalocyanine After Photodynamic Therapy with Different Light Sources. Photomedicine and Laser Surgery, 2008, 26, 455-459.	2.0	5
77	Metabolic and cardiorespiratory parameter analysis of young female adults during horseback riding at a walking gait. Isokinetics and Exercise Science, 2008, 16, 263-267.	0.4	4
78	Identification of hepatitis C in human blood serum by near-infrared Raman spectroscopy. Spectroscopy, 2008, 22, 387-395.	0.8	46
79	Analysis of the alteration in the optical configuration of Raman spectrometer: Optimization of signal-to-noise ratio (SNR) in a specific wavelength range of clinical interest. Spectroscopy, 2008, 22, 467-474.	0.8	2
80	Catheter with dielectric optical filter deposited upon the fiber optic end for Ramanin vivobiospectroscopy applications. Spectroscopy, 2008, 22, 459-466.	0.8	2
81	Use of Near-Infrared Raman Spectroscopy for Identification of Atherosclerotic Plaques in the Carotid Artery. Photomedicine and Laser Surgery, 2007, 25, 482-486.	2.0	18
82	Analysis of colon tumors in rats by near-infrared Raman spectroscopy. , 2007, 6427, 245.		0
83	Identification of Calcifications in Cardiac Valves by Near Infrared Raman Spectroscopy. Photomedicine and Laser Surgery, 2007, 25, 287-290.	2.0	12
84	Thermal -lens study of thermo-optical properties of CdSe/ZnS quantum dots embedded into PMMA matrix. , 2007, 6481, 18.		0
85	Study of normal, fibrous and calcified aortic valve tissue by Raman and reflectance spectroscopy. , 2007, 6424, 280.		1
86	Effect of Low-Level Laser Therapy on Hemorrhagic Lesions Induced by Immune Complex in Rat Lungs. Photomedicine and Laser Surgery, 2007, 25, 112-117.	2.0	37
87	Optical Fiber Catheter with Distal End Bending Mechanism Control for Raman Biospectroscopy. Instrumentation Science and Technology, 2007, 36, 43-55.	1.8	7
88	The Impact of Photodynamic Therapy on the Viability of <i>Streptococcus mutans</i> in a Planktonic Culture. Photomedicine and Laser Surgery, 2007, 25, 513-518.	2.0	62
89	Near Infrared Raman Spectroscopy System for Real Time Monitoring of Fast Processes: A Resin Composite Photopolymerization Application. Instrumentation Science and Technology, 2007, 35, 609-617.	1.8	4
90	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

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91	Radiative quantum efficiency of CdSe/ZnS quantum dots suspended in different solvents. <i>Optics Communications</i> , 2007, 280, 225-229.	2.1	23
92	The effect of the association of NIR laser therapy BMPs, and guided bone regeneration on tibial fractures treated with wire osteosynthesis: Raman spectroscopy study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 89, 125-130.	3.8	60
93	Low-Level Laser Therapy Induces Dose-Dependent Reduction of TNF $\pm$ Levels in Acute Inflammation. <i>Photomedicine and Laser Surgery</i> , 2006, 24, 33-37.	2.0	246
94	Comparison between Wound Healing in Induced Diabetic and Nondiabetic Rats after Low-Level Laser Therapy. <i>Photomedicine and Laser Surgery</i> , 2006, 24, 474-479.	2.0	81
95	Molecular analysis of Er:YAG laser irradiation on dentin. <i>Brazilian Dental Journal</i> , 2006, 17, 15-19.	1.1	10
96	Near Infrared Raman Spectroscopy (NIRS): A technique for doping control. <i>Spectroscopy</i> , 2006, 20, 185-194.	0.8	30
97	Low-level laser therapy can reduce lipopolysaccharide-induced contractile force dysfunction and TNF $\pm$ levels in rat diaphragm muscle. <i>Lasers in Medical Science</i> , 2006, 21, 238-244.	2.1	26
98	Low level laser therapy partially restores trachea muscle relaxation response in rats with tumor necrosis factor $\pm$ -mediated smooth airway muscle dysfunction. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 773-778.	2.1	43
99	Modeling and simulation of multicellular tumor growth using a nonlinear matter wave equation. <i>Mathematical and Computer Modelling</i> , 2005, 41, 1299-1306.	2.0	4
100	Low power laser radiation at 685nm stimulates stem-cell proliferation rate in <i>Dugesia tigrina</i> during regeneration. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 80, 203-207.	3.8	31
101	Effect of LLLT Ga $\hat{e}$ Al $\hat{e}$ As (685 $\hat{A}$ m) on LPS-induced inflammation of the airway and lung in the rat. <i>Lasers in Medical Science</i> , 2005, 20, 11-20.	2.1	62
102	Preparation of Nb-40Ti Powders by High-Energy Milling. <i>Materials Science Forum</i> , 2005, 498-499, 146-151.	0.3	0
103	XeCl Excimer Laser Ablation of Rabbit Tibia Bone: Morphology of the Irradiated Site and Self-Limiting Effect. <i>Photomedicine and Laser Surgery</i> , 2005, 23, 561-566.	2.0	5
104	Laser Light Is Capable of Inducing Proliferation of Carcinoma Cells in Culture: A Spectroscopic in Vitro Study. <i>Photomedicine and Laser Surgery</i> , 2005, 23, 300-303.	2.0	47
105	Raman spectroscopy study of atherosclerosis in human carotid artery. <i>Journal of Biomedical Optics</i> , 2005, 10, 031117.	2.6	79
106	Dentin Evaluation after Nd:YAG Laser Irradiation Using Short and Long Pulses. <i>Photomedicine and Laser Surgery</i> , 2004, 22, 43-50.	0.9	16
107	Vicker $\hat{e}$ s hardness and Raman spectroscopy evaluation of a dental composite cured by an argon laser and a halogen lamp. <i>Journal of Biomedical Optics</i> , 2004, 9, 601.	2.6	36
108	Optical Fiber Device and Biological Tissue Phantoms for Determination of Optical Parameters in the Near $\hat{e}$ Infrared Region. <i>Instrumentation Science and Technology</i> , 2004, 32, 489-505.	1.8	5

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109	Mitochondrial membrane potential after low-power laser irradiation. Lasers in Medical Science, 2004, 18, 204-206.	2.1	41
110	Analysis of mitochondria, endoplasmic reticulum and actin filaments after PDT with ALPcS 4. Lasers in Medical Science, 2004, 18, 207-212.	2.1	50
111	Side-viewing fiberoptic catheter for biospectroscopy applications. Lasers in Medical Science, 2004, 19, 15-20.	2.1	17
112	Dose and Wavelength of Laser Light Have Influence on the Repair of Cutaneous Wounds. Photomedicine and Laser Surgery, 2004, 22, 19-25.	0.9	95
113	Effect of low-power laser therapy on edema dynamics: sensing by using the electrical capacitance method. , 2004, 5319, 355.		2
114	Time-resolved measurements of sodium emission in the plume generated by laser ablation of myocardium tissue. , 2004, , .		0
115	<title>Raman study of human dentin irradiated with Er:YAG laser</title>. , 2004, , .		0
116	Comparison between the fluorescence spectroscopy and the <sup>125</sup> I albumin-labeling technique for the study of skin edema dynamics. , 2004, 5326, 113.		0
117	<title>The effect of low-intensity laser therapy on wound healing in Streptozotocin-induced diabetic rats</title>. , 2004, , .		1
118	A scattered-light-based system for the probe beam monitoring of laser ablation dynamic. , 2004, , .		0
119	Er:YAG laser irradiation of human dentin: Raman study of collagen. , 2004, , .		0
120	<title>Near-infrared Raman spectroscopy to detect the calcification of the annular mitral valve</title>. , 2004, , .		1
121	Diagnosis of atherosclerosis in human carotid artery by FT-Raman spectroscopy: Principal Components Analysis algorithm. , 2004, , .		1
122	Rapid Identification of Bacterial Species by Fluorescence Spectroscopy and Classification Through Principal Components Analysis. Journal of Fluorescence, 2003, 13, 489-493.	2.5	89
123	Effect of low-power GaAlAs laser (660 nm) on bone structure and cell activity: an experimental animal study. Lasers in Medical Science, 2003, 18, 89-94.	2.1	124
124	Using the laser-induced fluorescence spectroscopy in the differentiation between normal and neoplastichuman breast tissue. Lasers in Medical Science, 2003, 18, 171-176.	2.1	19
125	Optothermal transfer simulation in laser-irradiated human dentin. Journal of Biomedical Optics, 2003, 8, 298.	2.6	10
126	Near-Infrared Raman Spectroscopy of Human Coronary Arteries: Histopathological Classification Based on Mahalanobis Distance. Photomedicine and Laser Surgery, 2003, 21, 203-208.	0.9	32



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127	Assessment of the influence of the dose and wavelength of LLLT on the repair of cutaneous wounds. , 2003, , .		7
128	AvaliaÃ§Ã£o do Ã¡cido lÃ¡ctico intramuscular atravÃ©s da espectroscopia Raman: novas perspectivas em medicina do esporte. Revista Brasileira De Medicina Do Esporte, 2003, 9, 388-395.	0.2	8
129	PDD applied in the dog transmissible venereal tumor. , 2003, , .		0
130	Ultrastructural effects of two phthalocyanines in CHO-K1 and HeLa cells after laser irradiation. Biocell, 2003, 27, 301-9.	0.7	7
131	Analysis of the picosecond magneto-optical phenomena in scattering media of biological interest. Physics in Medicine and Biology, 2002, 47, 1519-1534.	3.0	1
132	Effect of pulsed Nd:YAG on dentin morphological changes. , 2002, , .		0
133	Mathematical simulation of the thermal diffusion in dentine irradiated with Nd:YAG laser using finite difference method. , 2002, 4610, 67.		0
134	Study of the effect of oral administration of L-arginine on muscular performance in healthy volunteers: An isokinetic study. Isokinetics and Exercise Science, 2002, 10, 153-158.	0.4	32
135	Correlation between near-infrared Raman spectroscopy and the histopathological analysis of atherosclerosis in human coronary arteries. Lasers in Surgery and Medicine, 2002, 30, 290-297.	2.1	115
136	Picosecond magneto-optical phenomena in scattering media: toward a new method for biological tissue characterization. , 2001, , .		0
137	<title>Comparative study of Al- and Zn-phthalocyanine uptake in rabbit iliac artery by transadvantitial measurements of induced fluorescence</title>. , 2001, , .		0
138	In-vitro study of the conventional and laser apicoectomy effects on dentin permeability. , 2001, , .		0
139	<title>Effects of acid and laser treatments on dentin nanocrystals</title>. , 2001, 4249, 115.		1
140	Depth of dentin modification induced by Nd:YAG laser irradiation. , 2001, 4433, 61.		0
141	Photodynamic diagnostic in atherosclerotic artery wall of rabbits. , 2001, 4244, 434.		2
142	Analysis of Near-infrared Raman Spectroscopy as a New Technique for a Transcutaneous Non-invasive Diagnosis of Blood Components. Lasers in Medical Science, 2001, 16, 2-9.	2.1	47
143	Enlargement of the apical gap after laser root resection. , 2000, , .		0
144	Observation of visible photons during infrared irradiation of bovine liver in the nonablative regime. , 2000, , .		0

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145	Er:YAG and Nd:YAG laser irradiation effect on dental root cut: a SEM analysis. , 2000, 4161, 80.		0
146	<title>Fluorescence in iliac artery wall of rabbit induced by AIPc</title>. , 2000, , .		0
147	Development of Catheters With Low Fiber Background Signals for Raman Spectroscopic Diagnosis Applications. Artificial Organs, 2000, 24, 231-234.	1.9	34
148	<title>Distribution of protoporphyrin IX (PPIX) induced by aminolevulinic acid (5-ALA) in the skin and liver of rats</title>. , 1999, , .		0
149	Intercalation of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\hat{1}$ 'single crystal with C <sub>60</sub> : Characterization and micro-Raman investigation. Journal of Applied Physics, 1997, 81, 2400-2405.	2.5	2
150	Compound parabolic concentrator probe for efficient light collection in spectroscopy of biological tissue. Applied Optics, 1996, 35, 758.	2.1	36
151	<title>Optical characterization of optical fiber submitted to radial strength</title>. , 1995, , .		0
152	Light-absorption-induced heating causes altered surface reflectance of an oblique laser probe beam to achieve high signal-to-noise in a laser absorption spectrometer prism device. , 1992, 1646, 410.		0
153	A synchronously pumped waveguide CH <sub>4</sub> Raman laser at 1.54 $\hat{1}$ / <sub>4</sub> m. Optics Communications, 1988, 65, 279-282.	2.1	6
154	Low-threshold operation of a waveguide CH <sub>4</sub> Raman laser at 1.54 $\hat{1}$ / <sub>4</sub> m. IEE Proceedings, Part J: Optoelectronics, 1987, 134, 187.	0.4	0
155	Higher-stokes order Raman conversion to the near infrared: High efficiency and brightness via a capillary waveguide amplifier. Optics Communications, 1986, 60, 107-110.	2.1	4
156	High efficiency and high brightness Raman conversion of dye laser radiation. Optics Communications, 1985, 55, 188-192.	2.1	16
157	Radiative and nonradiative recombination times in semiconducting films. Optical and Quantum Electronics, 1982, 14, 331-338.	3.3	0