Landulfo Silveira Jr

List of Publications by Year in Descending Order

138 papers	2,219 citations	26 h-index	39 g-index
175 ext. papers	2,540 ext. citations	2.8 avg, IF	4.82 L-index

#	Paper	IF	Citations
138	Diagnosing COVID-19 in human serum using Raman spectroscopy.. *Lasers in Medical Science*, **2022**, 1	3.1	4
137	Production and viscosity of Xanthan Gum are increased by LED irradiation of X. campestris cultivated in medium containing produced water of the oil industry. *Journal of Photochemistry and Photobiology B: Biology*, **2021**, 226, 112356	6.7	1
136	Biochemical characterization of pathogenic bacterial species using Raman spectroscopy and discrimination model based on selected spectral features. *Lasers in Medical Science*, **2021**, 36, 289-302	3.1	10
135	Temperature-Induced Chemical Changes in Lubricant Automotive Oils Evaluated Using Raman Spectroscopy. *Applied Spectroscopy*, **2021**, 75, 145-155	3.1	1
134	Raman spectroscopy for the identification of differences in the composition of automobile lubricant oils related to SAE specifications and additives. *Instrumentation Science and Technology*, **2021**, 49, 164-181	1.4	2
133	Analytical performance of Raman spectroscopy in assaying biochemical components in human serum. *Lasers in Medical Science*, **2021**, 1	3.1	3
132	Diagnosing COVID-19 in human sera with detected immunoglobulins IgM and IgG by means of Raman spectroscopy. *Journal of Raman Spectroscopy*, **2021**,	2.3	2
131	Raman spectroscopic study of the effect of the use of laser/LED phototherapy on the repair of complete tibial fracture treated with internal rigid fixation. *Photodiagnosis and Photodynamic Therapy*, **2020**, 30, 101773	3.5	0
130	Detection of prostate cancer by Raman spectroscopy: A multivariate study on patients with normal and altered PSA values. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 204, 111801	6.7	11
129	Diagnosing sickle cell disease and iron deficiency anemia in human blood by Raman spectroscopy. *Lasers in Medical Science*, **2020**, 35, 1065-1074	3.1	8
128	Normal-subtracted preprocessing of Raman spectra aiming to discriminate skin actinic keratosis and neoplasias from benign lesions and normal skin tissues. *Lasers in Medical Science*, **2020**, 35, 1141-1151	3.1	2
127	Use of Raman spectroscopy to evaluate the biochemical composition of normal and tumoral human brain tissues for diagnosis. *Lasers in Medical Science*, **2020**, 1	3.1	4
126	Effects of photo-stimulation with laser or LED on the composition of Xanthan gum produced in media containing distilled water or dialyzed or not produced water by means of Raman spectroscopy. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 213, 112057	6.7	2
125	Composition of Xanthan gum produced by Xanthomonas campestris using produced water from a carbonated oil field through Raman spectroscopy. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 213, 112052	6.7	6
124	Detecting creatine excreted in the urine of swimming athletes by means of Raman spectroscopy. *Lasers in Medical Science*, **2020**, 35, 455-464	3.1	3
123	Analysis of Raman spectroscopy data with algorithms based on paraconsistent logic for characterization of skin cancer lesions. *Vibrational Spectroscopy*, **2019**, 103, 102929	2.1	5
122	Identification of Metabolites in Urine of Physical Exercise Practitioners by Raman Spectroscopy. *IFMBE Proceedings*, **2019**, 821-824	0.2	

121	Diagnosing Iron Deficiency Anemia by Raman Spectroscopy Analysis. *IFMBE Proceedings*, **2019**, 785-789	0.2	
120	Quantification of anhydrous ethanol and detection of adulterants in commercial Brazilian gasoline by Raman spectroscopy. *Instrumentation Science and Technology*, **2019**, 47, 90-106	1.4	6
119	Discrimination of non-melanoma skin cancer and keratosis from normal skin tissue in vivo and ex vivo by Raman spectroscopy. *Vibrational Spectroscopy*, **2019**, 100, 131-141	2.1	11
118	Biochemical changes in injured sciatic nerve of rats after low-level laser therapy (660´nm and 808´nm) evaluated by Raman spectroscopy. *Lasers in Medical Science*, **2019**, 34, 525-535	3.1	4
117	Laser/LED phototherapy on the repair of tibial fracture treated with wire osteosynthesis evaluated by Raman spectroscopy. *Lasers in Medical Science*, **2018**, 33, 1657-1666	3.1	7
116	Identification and quantification of Ecaryophyllene in copaiba oil using Raman spectroscopy. *Instrumentation Science and Technology*, **2018**, 46, 265-276	1.4	2
115	Spectral model for diagnosis of acute leukemias in whole blood and plasma through Raman spectroscopy. *Journal of Biomedical Optics*, **2018**, 23, 1-11	3.5	3
114	Detecting active ingredients of insect repellents and sunscreens topically in skin by Raman spectroscopy. *Journal of Biomedical Optics*, **2018**, 23, 1-11	3.5	9
113	Multivariate Method Based on Raman Spectroscopy for Quantification of Dipyrone in Oral Solutions. *Journal of Spectroscopy*, **2018**, 2018, 1-10	1.5	3
112	Detecting urine metabolites related to training performance in swimming athletes by means of Raman spectroscopy and principal component analysis. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 185, 223-234	6.7	15
111	Analysis of Human Tooth Pulp Chamber Temperature After 670 nm Laser Irradiation: In Vitro Study. *Photomedicine and Laser Surgery*, **2017**, 35, 515-519		3
110	Raman spectral characteristics of neck and head of femur in low-density lipoprotein receptor gene knockout mice submitted to treadmill aerobic training. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 173, 92-98	6.7	1
109	Quantifying glucose and lipid components in human serum by Raman spectroscopy and multivariate statistics. *Lasers in Medical Science*, **2017**, 32, 787-795	3.1	27
108	Biochemical changes on the repair of surgical bone defects grafted with biphasic synthetic micro-granular HA + Etricalcium phosphate induced by laser and LED phototherapies and assessed by Raman spectroscopy. *Lasers in Medical Science*, **2017**, 32, 663-672	3.1	13
107	Raman spectroscopy applied to identify metabolites in urine of physically active subjects. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 176, 92-99	6.7	17
106	Quantification of cocaine in ternary mixtures using partial least squares regression applied to Raman and Fourier transform infrared spectroscopy. *Journal of Raman Spectroscopy*, **2017**, 48, 1732-1743	2.3	27
105	Discrimination model applied to urinalysis of patients with diabetes and hypertension aiming at diagnosis of chronic kidney disease by Raman spectroscopy. *Lasers in Medical Science*, **2017**, 32, 1605-1613	3.1	9
104	Characterization of nutritional parameters in bovine milk by Raman spectroscopy with least squares modeling. *Instrumentation Science and Technology*, **2016**, 44, 85-97	1.4	12

103	Quantifying creatinine and urea in human urine through Raman spectroscopy aiming at diagnosis of kidney disease. *Journal of Biomedical Optics*, **2016**, 21, 37001	3.5	48
102	Characterization of an ultraviolet irradiation chamber to monitor molecular photodegradation by Raman spectroscopy. *Instrumentation Science and Technology*, **2016**, 44, 189-198	1.4	2
101	Analysis of experimental tendinitis in rats treated with laser and platelet-rich plasma therapies by Raman spectroscopy and histometry. *Lasers in Medical Science*, **2016**, 31, 19-26	3.1	6
100	Estimating the concentration of urea and creatinine in the human serum of normal and dialysis patients through Raman spectroscopy. *Lasers in Medical Science*, **2016**, 31, 1415-23	3.1	14
99	Paraconsistent analysis network applied in the treatment of Raman spectroscopy data to support medical diagnosis of skin cancer. *Medical and Biological Engineering and Computing*, **2016**, 54, 1453-67	3.1	9
98	Raman spectroscopy in forensic analysis: identification of cocaine and other illegal drugs of abuse. *Journal of Raman Spectroscopy*, **2016**, 47, 28-38	2.3	95
97	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?. *Lasers in Medical Science*, **2015**, 30, 287-94	3.1	4
96	Assessing the biochemical changes of tendons of rats in an experimental model of tenotomy under therapeutic ultrasound and LEDs (625 and 945 nm) by near-infrared Raman spectroscopy. *Lasers in Medical Science*, **2015**, 30, 1729-38	3.1	8
95	Automation of a Dispersive Raman Spectrometer Using LabVIEW Aiming In Vivo Diagnosis of Skin Cancer. *IFMBE Proceedings*, **2015**, 1305-1308	0.2	
94	Correlation between METAVIR scores and Raman spectroscopy in liver lesions induced by hepatitis C virus: a preliminary study. *Lasers in Medical Science*, **2015**, 30, 1347-55	3.1	4
93	Effect of low-level laser therapy in an experimental model of osteoarthritis in rats evaluated through Raman spectroscopy. *Photomedicine and Laser Surgery*, **2015**, 33, 145-53		12
92	Effectiveness of Ozone-Liquid Mass Transfer aiming Ozone Therapy. *IFMBE Proceedings*, **2015**, 1283-1285	0.2	3
91	Raman spectroscopy for a rapid diagnosis of sickle cell disease in human blood samples: a preliminary study. *Lasers in Medical Science*, **2015**, 30, 247-53	3.1	17
90	Effects of feedback on activation of the quadriceps during weight-bearing tasks of the Wii. *Journal of Physical Therapy Science*, **2015**, 27, 1701-4	1	2
89	Detecting alterations of glucose and lipid components in human serum by near-infrared Raman spectroscopy. *Research on Biomedical Engineering*, **2015**, 31, 160-168	1.2	21
88	Discrimination of non-melanoma skin lesions from non-tumor human skin tissues in vivo using Raman spectroscopy and multivariate statistics. *Lasers in Surgery and Medicine*, **2015**, 47, 6-16	3.6	24
87	Identification of different forms of cocaine and substances used in adulteration using near-infrared Raman spectroscopy and infrared absorption spectroscopy. *Journal of Forensic Sciences*, **2015**, 60, 171-8	1.8	34
86	Raman study of the repair of surgical bone defects grafted with biphasic synthetic microgranular HA + calcium triphosphate and irradiated or not with 780 nm laser. *Lasers in Medical Science*, **2014**, 29, 1539-50	3.1	18

85	Effect of the laser and light-emitting diode (LED) phototherapy on midpalatal suture bone formation after rapid maxilla expansion: a Raman spectroscopy analysis. *Lasers in Medical Science*, **2014**, 29, 859-67	3.1	13
84	Raman spectroscopy detection of molecular changes associated with two experimental models of osteoarthritis in rats. *Lasers in Medical Science*, **2014**, 29, 797-804	3.1	27
83	Assessment of the LED phototherapy on femoral bone defects of ovariectomized rats: a Raman spectral study. *Lasers in Medical Science*, **2014**, 29, 1269-77	3.1	7
82	Discrimination of prostate carcinoma from benign prostate tissue fragments in vitro by estimating the gross biochemical alterations through Raman spectroscopy. *Lasers in Medical Science*, **2014**, 29, 1469-77	3.1	8
81	Assessment of the use of LED phototherapy on bone defects grafted with hydroxyapatite on rats with iron-deficiency anemia and nonanemic: a Raman spectroscopy analysis. *Lasers in Medical Science*, **2014**, 29, 1607-15	3.1	7
80	Do laser/LED phototherapies influence the outcome of the repair of surgical bone defects grafted with biphasic synthetic microgranular HA + β-tricalcium phosphate? A Raman spectroscopy study. *Lasers in Medical Science*, **2014**, 29, 1575-84	3.1	11
79	Raman spectroscopic study of the repair of surgical bone defects grafted or not with biphasic synthetic micro-granular HA + β-calcium triphosphate irradiated or not with 850 nm LED light. *Lasers in Medical Science*, **2014**, 29, 1927-36	3.1	7
78	Raman ratios on the repair of grafted surgical bone defects irradiated or not with laser (780 nm) or LED (850 nm). *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 138, 146-54	6.7	16
77	Safflower oil: an integrated assessment of phytochemistry, antiulcerogenic activity, and rodent and environmental toxicity. *Revista Brasileira De Farmacognosia*, **2014**, 24, 538-544	2	17
76	The efficacy of the use of IR laser phototherapy (LPT) on bone defect grafted with biphasic ceramic on rats with iron deficiency anemia: Raman spectroscopy analysis. *Lasers in Medical Science*, **2014**, 29, 1251-9	3.1	2
75	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, 301-11	3.1	14
74	Discriminating neoplastic and normal brain tissues in vitro through Raman spectroscopy: a principal components analysis classification model. *Photomedicine and Laser Surgery*, **2013**, 31, 595-604		25
73	The efficacy of the use of IR laser phototherapy associated to biphasic ceramic graft and guided bone regeneration on surgical fractures treated with wire osteosynthesis: a comparative laser fluorescence and Raman spectral study on rabbits. *Lasers in Medical Science*, **2013**, 28, 815-22	3.1	15
72	Low-level laser therapy combined with platelet-rich plasma on the healing calcaneal tendon: a histological study in a rat model. *Lasers in Medical Science*, **2013**, 28, 1489-94	3.1	19
71	The efficacy of the use of IR laser phototherapy associated to biphasic ceramic graft and guided bone regeneration on surgical fractures treated with miniplates: a Raman spectral study on rabbits. *Lasers in Medical Science*, **2013**, 28, 513-8	3.1	24
70	Estudio Analítico de Aceite de Girasol Ozonizado por Espectroscopía Raman Dispersiva. *IFMBE Proceedings*, **2013**, 987-990	0.2	1
69	Correlating the amount of urea, creatinine, and glucose in urine from patients with diabetes mellitus and hypertension with the risk of developing renal lesions by means of Raman spectroscopy and principal component analysis. *Journal of Biomedical Optics*, **2013**, 18, 87004	3.5	61
68	Could near-infrared Raman spectroscopy be correlated with the METAVIR scores in liver lesions induced by hepatitis C virus? **2013**,		2

67	Use of laser fluorescence in dental caries diagnosis: a fluorescence x biomolecular vibrational spectroscopic comparative study. *Brazilian Dental Journal*, **2013**, 24, 59-63	1.9	15
66	Differential diagnosis between experimental endophthalmitis and uveitis in vitreous with Raman spectroscopy and principal components analysis. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 107, 73-8	6.7	8
65	Influence of creatine supplementation on bone quality in the ovariectomized rat model: an FT-Raman spectroscopy study. *Lasers in Medical Science*, **2012**, 27, 487-95	3.1	19
64	Effects of LED phototherapy on bone defects grafted with MTA, bone morphogenetic proteins and guided bone regeneration: a Raman spectroscopic study. *Lasers in Medical Science*, **2012**, 27, 903-16	3.1	26
63	CHAPTER 29:Sucrose Determination by Raman Spectroscopy. *Food and Nutritional Components in Focus*, **2012**, 503-525		
62	QUANTIFICATION OF BINARY MIXTURES OF COCAINE AND ADULTERANTS USING DISPERSIVE RAMAN AND FT-IR SPECTROSCOPY AND PRINCIPAL COMPONENT REGRESSION. *Instrumentation Science and Technology*, **2012**, 40, 441-456	1.4	24
61	Discriminating model for diagnosis of basal cell carcinoma and melanoma in vitro based on the Raman spectra of selected biochemicals. *Journal of Biomedical Optics*, **2012**, 17, 077003	3.5	53
60	Quantitative Evaluation of Acetaminophen in Oral Solutions by Dispersive Raman Spectroscopy for Quality Control. *Spectroscopy*, **2012**, 27, 215-228		2
59	Discrimination of selected species of pathogenic bacteria using near-infrared Raman spectroscopy and principal components analysis. *Journal of Biomedical Optics*, **2012**, 17, 107004	3.5	39
58	Diagnosing basal cell carcinoma in vivo by near-infrared Raman spectroscopy: a Principal Components Analysis discrimination algorithm **2012**,		2
57	Discrimination of basal cell carcinoma and melanoma from normal skin biopsies in vitro through Raman spectroscopy and principal component analysis. *Photomedicine and Laser Surgery*, **2012**, 30, 381-7		49
56	Quantitative determination of the human breast milk macronutrients by near-infrared Raman spectroscopy **2012**,		3
55	Effect of incoherent LED radiation on third-degree burning wounds in rats. *Journal of Cosmetic and Laser Therapy*, **2011**, 13, 315-22	1.8	15
54	Dispersive Raman spectroscopy for the invitroidentification and quantification of injected vancomycin intra-vitreous. *Spectroscopy*, **2011**, 25, 103-112		4
53	Assessment of bone healing on tibial fractures treated with wire osteosynthesis associated or not with infrared laser light and biphasic ceramic bone graft (HATCP) and guided bone regeneration (GBR): Raman spectroscopy study **2011**,		5
52	Classification model based on Raman spectra of selected morphological and biochemical tissue constituents for identification of atherosclerosis in human coronary arteries. *Lasers in Medical Science*, **2011**, 26, 645-55	3.1	19
51	Effects of different swimming exercise intensities on bone tissue composition in mice: a Raman spectroscopy study. *Photomedicine and Laser Surgery*, **2011**, 29, 217-25		8
50	Diagnostic model based on Raman spectra of normal, hyperplasia and prostate adenocarcinoma tissuesin vitro. *Spectroscopy*, **2011**, 25, 89-102		5

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. *Journal of Biomedical Optics*, **2010**, 15, 047002	3.5	9
48	DISCRETE WAVELET TRANSFORM FOR DENOISING RAMAN SPECTRA OF HUMAN SKIN TISSUES USED IN A DISCRIMINANT DIAGNOSTIC ALGORITHM. *Instrumentation Science and Technology*, **2010**, 38, 268-282	1.4	12
47	Raman spectroscopy validation of DIAGNOdent-assisted fluorescence readings on tibial fractures treated with laser phototherapy, BMPs, guided bone regeneration, and miniplates. *Photomedicine and Laser Surgery*, **2010**, 28 Suppl 2, S89-97		16
46	Differentiating normal and basal cell carcinoma human skin tissues in vitro using dispersive Raman spectroscopy: a comparison between principal components analysis and simplified biochemical models. *Photomedicine and Laser Surgery*, **2010**, 28 Suppl 1, S119-27		37
45	Raman spectroscopy for differential diagnosis of endophthalmitis and uveitis in rabbit iris in vitro. *Experimental Eye Research*, **2010**, 91, 362-8	3.7	6
44	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. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 1257-63	5.4	21
43	Effects of laser phototherapy on bone defects grafted with mineral trioxide aggregate, bone morphogenetic proteins, and guided bone regeneration: a Raman spectroscopic study. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 1041-7	5.4	28
42	Determination of sucrose concentration in lemon-type soft drinks by dispersive Raman spectroscopy. *Spectroscopy*, **2009**, 23, 217-226		11
41	Optimizing the Raman signal for characterizing organic samples: The effect of slit aperture and exposure time. *Spectroscopy*, **2009**, 23, 71-80		13
40	Use of dispersive Raman spectroscopy to detect the cytotoxic action of viscum album in adenocarcinoma of colon. *Journal of Laser Applications*, **2009**, 21, 163-168	2.1	3
39	Classification System of Raman Spectra using Cluster Analysis to Diagnose Coronary Artery Lesions. *Instrumentation Science and Technology*, **2009**, 37, 327-344	1.4	5
38	Comparison of temperature increase in in vitro human tooth pulp by different light sources in the dental whitening process. *Lasers in Medical Science*, **2009**, 24, 179-85	3.1	23
37	The effects of low-level light emitting diode on the repair process of Achilles tendon therapy in rats. *Lasers in Medical Science*, **2009**, 24, 659-65	3.1	42
36	ProRaman: a program to classify Raman spectra. *Analyst, The*, **2009**, 134, 1203-7	5	4
35	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	1.4	18
34	Independent Component Analysis Applied to Raman Spectra for Classification of In Vitro Human Coronary Arteries. *Instrumentation Science and Technology*, **2008**, 36, 134-145	1.4	11
33	Fluorescence and reflectance spectroscopy for identification of atherosclerosis in human carotid arteries using principal components analysis. *Photomedicine and Laser Surgery*, **2008**, 26, 329-35		5
32	Identification of hepatitis C in human blood serum by near-infrared Raman spectroscopy. *Spectroscopy*, **2008**, 22, 387-395		38

31	Raman spectroscopy: A powerful technique for biochemical analysis and diagnosis. *Spectroscopy*, **2008**, 22, 1-19		48
30	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		2
29	Laser-induced fluorescence at 488 nm excitation for detecting benign and malignant lesions in stomach mucosa. *Journal of Fluorescence*, **2008**, 18, 35-40	2.4	26
28	Fluorescence spectroscopy for diagnostic differentiation in uterine cervix biopsies with cervical/vaginal atypical cytology. *Journal of Fluorescence*, **2008**, 18, 979-85	2.4	9
27	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	1.4	2
26	The effect of the association of NIR laser therapy BMPs, and guided bone regeneration on tibial fractures treated with wire osteosynthesis: Raman spectroscopy study. *Journal of Photochemistry and Photobiology B: Biology*, **2007**, 89, 125-30	6.7	47
25	Multifiber optical catheter with bending control of distal end: Applications of Raman biospectroscopy. *Journal of Applied Spectroscopy*, **2007**, 74, 107-114	0.7	5
24	Use of near-infrared Raman spectroscopy for identification of atherosclerotic plaques in the carotid artery. *Photomedicine and Laser Surgery*, **2007**, 25, 482-6		14
23	Analysis of colon tumors in rats by near-infrared Raman spectroscopy **2007**, 6427, 245		
22	Identification of calcifications in cardiac valves by near infrared Raman spectroscopy. *Photomedicine and Laser Surgery*, **2007**, 25, 287-90		10
21	Optical Fiber Catheter with Distal End Bending Mechanism Control for Raman Biospectroscopy. *Instrumentation Science and Technology*, **2007**, 36, 43-55	1.4	5
20	Effect of GaAlAs laser on reactional dentinogenesis induction in human teeth. *Photomedicine and Laser Surgery*, **2006**, 24, 358-65		57
19	Near-infrared Raman spectroscopy for oral carcinoma diagnosis. *Photomedicine and Laser Surgery*, **2006**, 24, 348-53		67
18	Near Infrared Raman Spectroscopy (NIRS): A technique for doping control. *Spectroscopy*, **2006**, 20, 185-194		22
17	Raman spectroscopy study of atherosclerosis in human carotid artery. *Journal of Biomedical Optics*, **2005**, 10, 031117	3.5	66
16	Raman spectroscopy for diagnosis of calcification in human heart valves. *Spectroscopy*, **2004**, 18, 75-84		18
15	Application of principal components analysis to diagnosis hamster oral carcinogenesis: Raman study **2004**, 5321, 111		1
14	FT-Raman spectroscopy study for skin cancer diagnosis. *Spectroscopy*, **2003**, 17, 597-602		27

13	Avaliação do ácido lático intramuscular através da espectroscopia Raman: novas perspectivas em medicina do esporte. *Revista Brasileira De Medicina Do Esporte*, **2003**, 9, 388-395	0.5	4
12	Rapid Identification of Bacterial Species by Fluorescence Spectroscopy and Classification Through Principal Components Analysis. *Journal of Fluorescence*, **2003**, 13, 489-493	2.4	63
11	Biochemical changes between normal and BCC tissue: a FT-Raman study **2003**, 4955, 546		1
10	Near-infrared Raman spectroscopy of human coronary arteries: histopathological classification based on Mahalanobis distance. *Photomedicine and Laser Surgery*, **2003**, 21, 203-8		28
9	Modelo de calibração da concentração de metilmetacrilato em solução aquosa utilizando espectroscopia de absorção no ultravioleta. *Quimica Nova*, **2003**, 26, 850-854	1.6	2
8	Correlation between near-infrared Raman spectroscopy and the histopathological analysis of atherosclerosis in human coronary arteries. *Lasers in Surgery and Medicine*, **2002**, 30, 290-7	3.6	87
7	Use of near-infrared raman spectroscopy to detect IgG and IgM antibodies against Toxoplasma gondii in serum samples of domestic cats. *Cellular and Molecular Biology*, **2002**, 48, 585-9	1.1	6
6	Near-infrared Raman spectroscopy to detect anti- Toxoplasma gondii antibodies in blood sera of domestic cats **2001**,		1
5	Photodynamic diagnostic in atherosclerotic artery wall of rabbits **2001**, 4244, 434		2
4	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	3.1	38
3	Development of catheters with low fiber background signals for Raman spectroscopic diagnosis applications. *Artificial Organs*, **2000**, 24, 231-4	2.6	29
2	Rapid multiexcitation fluorescence spectroscopy system for in vivo tissue diagnosis. *Applied Optics*, **1996**, 35, 5211-9	1.7	87
1	Optical fiber sensor for measurement of stress in concrete structures. *Measurement: Journal of the International Measurement Confederation*, **1995**, 16, 103-105	4.6	8