

Landulfo Silveira Jr

List of Publications by Year in descending order

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170
papers

2,969
citations

172457
29
h-index

233421
45
g-index

177
all docs

177
docs citations

177
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy in forensic analysis: identification of cocaine and other illegal drugs of abuse. Journal of Raman Spectroscopy, 2016, 47, 28-38.	2.5	133
2	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
3	Rapid multiexcitation fluorescence spectroscopy system for in vivo tissue diagnosis. Applied Optics, 1996, 35, 5211.	2.1	110
4	Rapid Identification of Bacterial Species by Fluorescence Spectroscopy and Classification Through Principal Components Analysis. Journal of Fluorescence, 2003, 13, 489-493.	2.5	89
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	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, 087004.	2.6	76
8	Effect of GaAIs Laser on Reactional Dentinogenesis Induction in Human Teeth. Photomedicine and Laser Surgery, 2006, 24, 358-365.	2.0	67
9	Discriminating model for diagnosis of basal cell carcinoma and melanoma <i>in vitro</i> based on the Raman spectra of selected biochemicals. Journal of Biomedical Optics, 2012, 17, 077003.	2.6	67
10	Quantifying creatinine and urea in human urine through Raman spectroscopy aiming at diagnosis of kidney disease. Journal of Biomedical Optics, 2016, 21, 037001.	2.6	67
11	Discrimination of Basal Cell Carcinoma and Melanoma from Normal Skin Biopsies <i>in Vitro</i> Through Raman Spectroscopy and Principal Component Analysis. Photomedicine and Laser Surgery, 2012, 30, 381-387.	2.0	65
12	Raman spectroscopy: A powerful technique for biochemical analysis and diagnosis. Spectroscopy, 2008, 22, 1-19.	0.8	62
13	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, 125-130.	3.8	60
14	Discrimination of selected species of pathogenic bacteria using near-infrared Raman spectroscopy and principal components analysis. Journal of Biomedical Optics, 2012, 17, 107004.	2.6	55
15	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
16	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
17	Identification of hepatitis C in human blood serum by near-infrared Raman spectroscopy. Spectroscopy, 2008, 22, 387-395.	0.8	46
18	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

#	ARTICLE	IF	CITATIONS
19	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, 171-178.	1.6	44
20	Discrimination of non-melanoma skin lesions from non-tumor human skin tissues <i>in vivo</i> using Raman spectroscopy and multivariate statistics. Lasers in Surgery and Medicine, 2015, 47, 6-16.	2.1	36
21	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.	2.5	36
22	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, 903-916.	2.1	35
23	Discriminating Neoplastic and Normal Brain Tissues <i>in Vitro</i> Through Raman Spectroscopy: A Principal Components Analysis Classification Model. Photomedicine and Laser Surgery, 2013, 31, 595-604.	2.0	35
24	Raman spectroscopy detection of molecular changes associated with two experimental models of osteoarthritis in rats. Lasers in Medical Science, 2014, 29, 797-804.	2.1	35
25	Quantifying glucose and lipid components in human serum by Raman spectroscopy and multivariate statistics. Lasers in Medical Science, 2017, 32, 787-795.	2.1	35
26	Development of Catheters With Low Fiber Background Signals for Raman Spectroscopic Diagnosis Applications. Artificial Organs, 2000, 24, 231-234.	1.9	34
27	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
28	Laser-Induced Fluorescence at 488 nm Excitation for Detecting Benign and Malignant Lesions in Stomach Mucosa. Journal of Fluorescence, 2008, 18, 35-40.	2.5	31
29	FT-Raman spectroscopy study for skin cancer diagnosis. Spectroscopy, 2003, 17, 597-602.	0.8	30
30	Near Infrared Raman Spectroscopy (NIRS): A technique for doping control. Spectroscopy, 2006, 20, 185-194.	0.8	30
31	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, 95A, 1041-1047.	4.0	30
32	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, 513-518.	2.1	30
33	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.	1.8	29
34	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, 179-185.	2.1	28
35	Raman spectroscopy applied to identify metabolites in urine of physically active subjects. Journal of Photochemistry and Photobiology B: Biology, 2017, 176, 92-99.	3.8	28
36	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, 94A, 1257-1263.	4.0	27

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37	Low-level laser therapy combined with platelet-rich plasma on the healing calcaneal tendon: a histological study in a rat model. <i>Lasers in Medical Science</i> , 2013, 28, 1489-1494.	2.1	27
38	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
39	Detecting alterations of glucose and lipid components in human serum by near-infrared Raman spectroscopy. <i>Research on Biomedical Engineering</i> , 2015, 31, 160-168.	2.2	24
40	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
41	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
42	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
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	Use of laser fluorescence in dental caries diagnosis: a fluorescence x biomolecular vibrational spectroscopic comparative study. <i>Brazilian Dental Journal</i> , 2013, 24, 59-63.	1.1	21
45	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
46	Raman study of the repair of surgical bone defects grafted with biphasic synthetic microgranular HA+ β -tricalcium triphosphate and irradiated or not with λ 780nm laser. <i>Lasers in Medical Science</i> , 2014, 29, 1539-1550.	2.1	21
47	Effect of the laser and light-emitting diode (LED) phototherapy on midpalatal suture bone formation after rapid maxilla expansion: a Raman spectroscopy analysis. <i>Lasers in Medical Science</i> , 2014, 29, 859-867.	2.1	21
48	Raman spectroscopy for diagnosis of calcification in human heart valves. <i>Spectroscopy</i> , 2004, 18, 75-84.	0.8	20
49	USE OF DISPERSIVE RAMAN SPECTROSCOPY IN THE DETERMINATION OF UNSATURATED FAT IN COMMERCIAL EDIBLE OIL- AND FAT-CONTAINING INDUSTRIALIZED FOODS. <i>Instrumentation Science and Technology</i> , 2009, 38, 107-123.	1.8	20
50	Estimating the concentration of urea and creatinine in the human serum of normal and dialysis patients through Raman spectroscopy. <i>Lasers in Medical Science</i> , 2016, 31, 1415-1423.	2.1	20
51	Raman ratios on the repair of grafted surgical bone defects irradiated or not with laser (λ 780nm) or LED (λ 850nm). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 146-154.	3.8	19
52	Use of Near-Infrared Raman Spectroscopy for Identification of Atherosclerotic Plaques in the Carotid Artery. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 482-486.	2.0	18
53	Determination of sucrose concentration in lemon-type soft drinks by dispersive Raman spectroscopy. <i>Spectroscopy</i> , 2009, 23, 217-226.	0.8	18
54	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. <i>Lasers in Medical Science</i> , 2013, 28, 815-822.	2.1	18

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55	Raman spectroscopy for a rapid diagnosis of sickle cell disease in human blood samples: a preliminary study. <i>Lasers in Medical Science</i> , 2015, 30, 247-253.	2.1	18
56	Detection of prostate cancer by Raman spectroscopy: A multivariate study on patients with normal and altered PSA values. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 204, 111801.	3.8	18
57	Effect of incoherent LED radiation on third-degree burning wounds in rats. <i>Journal of Cosmetic and Laser Therapy</i> , 2011, 13, 315-322.	0.9	17
58	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
59	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
60	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
61	Optimizing the Raman signal for characterizing organic samples: The effect of slit aperture and exposure time. <i>Spectroscopy</i> , 2009, 23, 71-80.	0.8	15
62	Biochemical changes on the repair of surgical bone defects grafted with biphasic synthetic micro-granular HA + β -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
63	Discrimination model applied to urinalysis of patients with diabetes and hypertension aiming at diagnosis of chronic kidney disease by Raman spectroscopy. <i>Lasers in Medical Science</i> , 2017, 32, 1605-1613.	2.1	15
64	Composition of Xanthan gum produced by <i>Xanthomonas campestris</i> using produced water from a carbonated oil field through Raman spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 213, 112052.	3.8	15
65	Diagnosing COVID-19 in human serum using Raman spectroscopy. <i>Lasers in Medical Science</i> , 2022, 37, 2217-2226.	2.1	15
66	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
67	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. <i>Lasers in Medical Science</i> , 2014, 29, 1575-1584.	2.1	14
68	Effect of Low-Level Laser Therapy in an Experimental Model of Osteoarthritis in Rats Evaluated Through Raman Spectroscopy. <i>Photomedicine and Laser Surgery</i> , 2015, 33, 145-153.	2.0	14
69	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
70	Diagnosing sickle cell disease and iron deficiency anemia in human blood by Raman spectroscopy. <i>Lasers in Medical Science</i> , 2020, 35, 1065-1074.	2.1	14
71	Independent Component Analysis Applied to Raman Spectra for Classification of <i>In Vitro</i> Human Coronary Arteries. <i>Instrumentation Science and Technology</i> , 2008, 36, 134-145.	1.8	13
72	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

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73	Discrimination of prostate carcinoma from benign prostate tissue fragments in vitro by estimating the gross biochemical alterations through Raman spectroscopy. <i>Lasers in Medical Science</i> , 2014, 29, 1469-1477.	2.1	13
74	Diagnosing COVID-19 in human sera with detected immunoglobulins IgM and IgG by means of Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 2671-2682.	2.5	13
75	Identification of Calcifications in Cardiac Valves by Near Infrared Raman Spectroscopy. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 287-290.	2.0	12
76	Assessing the biochemical changes of tendons of rats in an experimental model of tenotomy under therapeutic ultrasound and LEDs (625 and 945Ånm) by near-infrared Raman spectroscopy. <i>Lasers in Medical Science</i> , 2015, 30, 1729-1738.	2.1	12
77	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
78	Analytical performance of Raman spectroscopy in assaying biochemical components in human serum. <i>Lasers in Medical Science</i> , 2022, 37, 287-298.	2.1	12
79	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
80	Spectral model for diagnosis of acute leukemias in whole blood and plasma through Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	11
81	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
82	Fluorescence Spectroscopy for Diagnostic Differentiation in Uteri's Cervix Biopsies with Cervical/Vaginal Atypical Cytology. <i>Journal of Fluorescence</i> , 2008, 18, 979-985.	2.5	10
83	Raman spectroscopy for differential diagnosis of endophthalmitis and uveitis in rabbit iris in vitro. <i>Experimental Eye Research</i> , 2010, 91, 362-368.	2.6	10
84	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
85	Laser/LED phototherapy on the repair of tibial fracture treated with wire osteosynthesis evaluated by Raman spectroscopy. <i>Lasers in Medical Science</i> , 2018, 33, 1657-1666.	2.1	10
86	Use of Raman spectroscopy to evaluate the biochemical composition of normal and tumoral human brain tissues for diagnosis. <i>Lasers in Medical Science</i> , 2022, 37, 121-133.	2.1	10
87	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
88	Analysis of experimental tendinitis in rats treated with laser and platelet-rich plasma therapies by Raman spectroscopy and histometry. <i>Lasers in Medical Science</i> , 2016, 31, 19-26.	2.1	9
89	Production and viscosity of Xanthan Gum are increased by LED irradiation of <i>X. campestris</i> cultivated in medium containing produced water of the oil industry. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112356.	3.8	9
90	Optical fiber sensor for measurement of stress in concrete structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 1995, 16, 103-105.	5.0	8

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91	Avaliação do ácido láctico intramuscular através da espectroscopia Raman: novas perspectivas em medicina do esporte. Revista Brasileira De Medicina Do Esporte, 2003, 9, 388-395.	0.2	8
92	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, 1607-1615.	2.1	8
93	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 850nm LED light. Lasers in Medical Science, 2014, 29, 1927-1936.	2.1	8
94	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.	2.1	8
95	Optical Fiber Catheter with Distal End Bending Mechanism Control for Raman Biospectroscopy. Instrumentation Science and Technology, 2007, 36, 43-55.	1.8	7
96	Assessment of the LED phototherapy on femoral bone defects of ovariectomized rats: a Raman spectral study. Lasers in Medical Science, 2014, 29, 1269-1277.	2.1	7
97	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.	0.9	7
98	Multifiber optical catheter with bending control of distal end: Applications of Raman biospectroscopy. Journal of Applied Spectroscopy, 2007, 74, 107-114.	0.7	6
99	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
100	Characterization of an ultraviolet irradiation chamber to monitor molecular photodegradation by Raman spectroscopy. Instrumentation Science and Technology, 2016, 44, 189-198.	1.8	6
101	Biochemical changes in injured sciatic nerve of rats after low-level laser therapy (660nm and 808nm) evaluated by Raman spectroscopy. Lasers in Medical Science, 2019, 34, 525-535.	2.1	6
102	Detecting creatine excreted in the urine of swimming athletes by means of Raman spectroscopy. Lasers in Medical Science, 2020, 35, 455-464.	2.1	6
103	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.	3.8	6
104	Diagnostic model based on Raman spectra of normal, hyperplasia and prostate adenocarcinoma tissues in vitro. Spectroscopy, 2011, 25, 89-102.	0.8	6
105	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
106	Classification System of Raman Spectra using Cluster Analysis to Diagnose Coronary Artery Lesions. Instrumentation Science and Technology, 2009, 37, 327-344.	1.8	5
107	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
108	Quantitative Evaluation of Acetaminophen in Oral Solutions by Dispersive Raman Spectroscopy for Quality Control. Spectroscopy, 2012, 27, 215-228.	0.8	5

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109	Correlation between METAVIR scores and Raman spectroscopy in liver lesions induced by hepatitis C virus: a preliminary study. <i>Lasers in Medical Science</i> , 2015, 30, 1347-1355.	2.1	5
110	Effectiveness of Ozone-Liquid Mass Transfer aiming Ozone Therapy. <i>IFMBE Proceedings</i> , 2015, , 1283-1285.	0.3	5
111	Biochemical changes between normal and BCC tissue: a FT-Raman study. , 2003, 4955, 546.		4
112	Near Infrared Raman Spectroscopy System for Real Time Monitoring of Fast Processes: A Resin Composite Photopolymerization Application. <i>Instrumentation Science and Technology</i> , 2007, 35, 609-617.	1.8	4
113	ProRaman: a program to classify Raman spectra. <i>Analyst, The</i> , 2009, 134, 1203.	3.5	4
114	Dispersive Raman spectroscopy for the in<i>vitro</i> identification and quantification of injected vancomycin intra-vitreous. <i>Spectroscopy</i> , 2011, 25, 103-112.	0.8	4
115	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
116	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
117	Identification and quantification of Î²-caryophyllene in copaiba oil using Raman spectroscopy. <i>Instrumentation Science and Technology</i> , 2018, 46, 265-276.	1.8	4
118	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
119	Modelo de calibraÃ§Ã£o da concentraÃ§Ã£o de metilmetacrilato em soluÃ§Ã£o aquosa utilizando espectroscopia de absorÃ§Ã£o no ultravioleta. <i>Quimica Nova</i> , 2003, 26, 850-854.	0.3	4
120	Raman spectroscopy and sciatic functional index (SFI) after low-level laser therapy (LLLT) in a rat sciatic nerve crush injury model. <i>Lasers in Medical Science</i> , 2022, 37, 2957-2971.	2.1	4
121	Application of principal components analysis to diagnosis hamster oral carcinogenesis: Raman study. , 2004, 5321, 111.		3
122	Diagnosing basal cell carcinoma in vivo by near-infrared Raman spectroscopy: a Principal Components Analysis discrimination algorithm. , 2012, , .		3
123	Quantitative determination of the human breast milk macronutrients by near-infrared Raman spectroscopy. , 2012, , .		3
124	Raman spectral characteristics of neck and head of femur in low-density lipoprotein receptor gene knockout mice submitted to treadmill aerobic training. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 92-98.	3.8	3
125	Photodynamic diagnostic in atherosclerotic artery wall of rabbits. , 2001, 4244, 434.		2
126	Automatic pilot for buses: a Brazilian reality. , 0, , .		2

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127	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
128	Could near-infrared Raman spectroscopy be correlated with the METAVIR scores in liver lesions induced by hepatitis C virus?. , 2013, , .		2
129	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, 1251-1259.	2.1	2
130	Effects of feedback on activation of the quadriceps during weight-bearing tasks of the Wii. Journal of Physical Therapy Science, 2015, 27, 1701-1704.	0.6	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.	2.6	2
132	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.	1.8	2
133	Near-infrared Raman spectroscopy to detect anti- Toxoplasma gondii antibodies in blood sera of domestic cats. , 2001, , .		1
134	Could Raman spectroscopy discriminate the biochemical alterations among prostate carcinoma and benign prostate tissues? An in vitro study. , 2012, , .		1
135	Determining the amounts of urea and glucose in urine of patients with renal complications from diabetes mellitus and hypertension by near-infrared Raman spectroscopy. , 2013, , .		1
136	Estudio Analítico de Aceite de Girasol Ozonizado por Espectroscopía Raman Dispersiva. IFMBE Proceedings, 2013, , 987-990.	0.3	1
137	UV photostability of insect repellents evaluated through Raman spectroscopy. Proceedings of SPIE, 2016, , .	0.8	1
138	Temperature-Induced Chemical Changes in Lubricant Automotive Oils Evaluated Using Raman Spectroscopy. Applied Spectroscopy, 2021, 75, 145-155.	2.2	1
139	Effects of Sucralose Ingestion on Fetal and Placental Weights and Umbilical-Cord Length: Experimental Study. International Journal of Morphology, 2010, 28, .	0.2	1
140	Diagnosis of atherosclerosis in human carotid artery by FT-Raman spectroscopy: Principal Components Analysis algorithm. , 2004, , .		1
141	Diagnosing molecular subtypes of breast cancer by means of Raman spectroscopy. Lasers in Surgery and Medicine, 2022, 54, 1143-1156.	2.1	1
142	<title>Optical fiber sensor for measurement of concrete structure stress</title>. Proceedings of SPIE, 1994, , .	0.8	0
143	<title>Optical characterization of optical fiber submitted to radial strength</title>. , 1995, , .		0
144	<title>Rapid multiexcitation spectrofluorimeter for in-vivo tissue diagnosis</title>. , 1997, , .		0

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145	<title>Fluorescence in iliac artery wall of rabbit induced by AIPc</title>. , 2000, , .		0
146	<title>Comparative study of Al- and Zn-phthalocyanine uptake in rabbit iliac artery by transadvantitial measurements of induced fluorescence</title>. , 2001, , .		0
147	Analysis of colon tumors in rats by near-infrared Raman spectroscopy. , 2007, 6427, 245.		0
148	Identification of Atherosclerotic Plaques in Carotid Artery by Fluorescence Spectroscopy. AIP Conference Proceedings, 2008, , .	0.4	0
149	Classification Model for Skin Cancer Diagnosis in Vitro Using Raman Spectroscopy. , 2010, , .		0
150	Diagnostic Model for Differentiating Human Malignant Prostate Lesion from Normal Tissue in Vitro by Raman Spectroscopy. , 2010, , .		0
151	Quantitative Model Based on Raman Spectra to Evaluate Contaminants in Crack (Cocaine). , 2010, , .		0
152	Effect of GaAs Laser at 904 nm in the Pain Threshold in Tibia and Tolerance in Deltoid Evaluated by Pressure Algometry. , 2011, , .		0
153	Discrimination of selected species of pathogenic bacteria using near-infrared Raman spectroscopy and principal components analysis. Proceedings of SPIE, 2012, , .	0.8	0
154	CHAPTER 29. Sucrose Determination by Raman Spectroscopy. Food and Nutritional Components in Focus, 2012, , 503-525.	0.1	0
155	Effects of LED or laser phototherapy on bone defects grafted with MTA and irradiated with laser or LED light: a comparative Raman spectroscopic study. Proceedings of SPIE, 2012, , .	0.8	0
156	Discriminating model for skin cancer diagnosis in vivo through Raman spectroscopy. , 2013, , .		0
157	Could the differences in the biochemistry of prostate carcinoma compared to benign prostate tissue biopsy fragments be evaluated through Raman spectroscopy?. Proceedings of SPIE, 2013, , .	0.8	0
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