Maria Lasalvia

List of Publications by Year
in descending order

42	523	687220 13	713332 21
papers	citations	h-index	g-index

44	44	44	678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of FTIR spectra of different breast cell lines to detect spectral biomarkers of pathology. Infrared Physics and Technology, 2022, 120, 103976.	1.3	5
2	Keratinocyte cellular damage induced by pesticide doses below the cytotoxic level evidenced by electrical impedance and broadband dielectric spectroscopy. Journal Physics D: Applied Physics, 2022, 55, 125402.	1.3	1
3	Evaluation of Proton-Induced Biomolecular Changes in MCF-10A Breast Cells by Means of FT-IR Microspectroscopy. Applied Sciences (Switzerland), 2022, 12, 5074.	1.3	0
4	A Comparison of PCA-LDA and PLS-DA Techniques for Classification of Vibrational Spectra. Applied Sciences (Switzerland), 2022, 12, 5345.	1.3	20
5	FT-IR Transflection Micro-Spectroscopy Study on Normal Human Breast Cells after Exposure to a Proton Beam. Applied Sciences (Switzerland), 2021, 11, 540.	1.3	6
6	Discrimination of Different Breast Cell Lines on Glass Substrate by Means of Fourier Transform Infrared Spectroscopy. Sensors, 2021, 21, 6992.	2.1	3
7	Early Altered Cells Health Status Detection via Label Free Impedance and Broadband dielectric Spectroscopy. , 2021, , .		0
8	Recognition of healthy and cancerous breast cells: Sensing the differences by dielectric spectroscopy. Medical Physics, 2020, 47, 5373-5382.	1.6	3
9	A Comparison between FTIR Spectra from HUKE and SH-SY5Y Cell Lines Grown on Different Substrates. Applied Sciences (Switzerland), 2020, 10, 8825.	1.3	4
10	Multivariate Analysis of Difference Raman Spectra of the Irradiated Nucleus and Cytoplasm Region of SH-SY5Y Human Neuroblastoma Cells. Sensors, 2019, 19, 3971.	2.1	11
11	Raman spectroscopy for the evaluation of the radiobiological sensitivity of normal human breast cells at different time points after irradiation by a clinical proton beam. Analyst, The, 2019, 144, 2097-2108.	1.7	11
12	Biochemical Changes in Human Cells Exposed to Low Concentrations of Gold Nanoparticles Detected by Raman Microspectroscopy. Sensors, 2019, 19, 2418.	2.1	5
13	DNA-Related Modifications in a Mixture of Human Lympho-Monocyte Exposed to Radiofrequency Fields and Detected by Raman Microspectroscopy Analysis. Applied Sciences (Switzerland), 2019, 9, 3700.	1.3	1
14	X-ray irradiation effects on nuclear and membrane regions of single SH-SY5Y human neuroblastoma cells investigated by Raman micro-spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 557-573.	1.4	17
15	Raman spectroscopy monitoring of MCF10A cells irradiated by protons at clinical doses. International Journal of Radiation Biology, 2019, 95, 207-214.	1.0	9
16	Raman micro-spectroscopy investigation on the effects of x-rays and polyphenols in human neuroblastoma cells. , 2019, , .		0
17	Exposure to 1.8 GHz electromagnetic fields affects morphology, DNA-related Raman spectra and mitochondrial functions in human lympho-monocytes. PLoS ONE, 2018, 13, e0192894.	1.1	12
18	Urea-induced ROS accelerate senescence in endothelial progenitor cells. Atherosclerosis, 2017, 263, 127-136.	0.4	26

#	Article	IF	Citations
19	Vibrational spectroscopy of synthetic and natural eumelanin. Polymer International, 2016, 65, 1323-1330.	1.6	24
20	Human airway epithelial cells investigated by atomic force microscopy: A hint to cystic fibrosis epithelial pathology. Experimental Cell Research, 2016, 348, 46-55.	1.2	15
21	An algorithm for estimation of background signal of Raman spectra from biological cell samples using polynomial functions of different degrees. Vibrational Spectroscopy, 2016, 83, 132-137.	1.2	16
22	Ultrafast transient absorption of eumelanin suspensions: the role of inverse Raman scattering. Biomedical Optics Express, 2015, 6, 4000.	1.5	4
23	Visible micro-Raman spectroscopy of single human mammary epithelial cells exposed to x-ray radiation. Journal of Biomedical Optics, 2015, 20, 035003.	1.4	33
24	Discrimination of different degrees of oral squamous cell carcinoma by means of Raman microspectroscopy and atomic force microscopy. Analytical Methods, 2015, 7, 699-707.	1.3	14
25	Morphology of synthetic DOPA-eumelanin deposited on glass and mica substrates: An atomic force microscopy investigation. Micron, 2014, 64, 28-33.	1.1	4
26	Raman Spectroscopy of Human Neuronal and Epidermal Cells Exposed to an Insecticide Mixture of Chlorpyrifos and Deltamethrin. Applied Spectroscopy, 2014, 68, 1123-1131.	1.2	8
27	X-ray radiation-induced effects in human mammary epithelial cells investigated by Raman microspectroscopy. , 2012, , .		5
28	Scale-independent roughness value of cell membranes studied by means of AFM technique. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3141-3148.	1.4	78
29	Raman microspectroscopy discrimination of single human keratinocytes exposed at low dose of pesticide. Journal of Molecular Structure, 2012, 1010, 123-129.	1.8	7
30	Apparatus for ``in vivo'' exposure at 1.8 GHz microwaves. Journal of Instrumentation, 2011, 6, T07002-T07002.	0.5	4
31	Atomic force microscopy investigation of morphological changes in living keratinocytes treated with HgCl2 at not cytotoxic doses. Journal of Microscopy, 2011, 243, 40-46.	0.8	6
32	Characterization of human cells exposed to deltamethrin by means of Raman microspectroscopy and atomic force microscopy. Vibrational Spectroscopy, 2011, , .	1.2	7
33	Identification of chemical modification in single human keratinocyte cells exposed to low doses of chlorpyriphos by Raman microâ€spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 603-611.	1.2	10
34	Micro-Raman spectroscopy on human mammary epithelial cells irradiated by different doses of X-Rays. , 2011, , .		0
35	A REVERBERATION CHAMBER TO INVESTIGATE THE POSSIBLE EFFECTS OF "IN VIVO" EXPOSURE OF RATS TO 1.8 GHz ELECTROMAGNETIC FIELDS: A PRELIMINARY STUDY. Progress in Electromagnetics Research, 2009, 94, 133-152.	1.6	17
36	Detection of pesticide effects in human keratinocytes by means of Raman microspectroscopy. Applied Physics Letters, 2009, 95, 083701.	1.5	9

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37	Atomic force microscopy study on human keratinocytes treated with HgCl2. Journal of Physics: Conference Series, 2007, 61, 920-925.	0.3	3
38	Raman spectroscopy and atomic force microscopy study of cellular damage in human keratinocytes treated with HgCl2. Journal of Molecular Structure, 2007, 834-836, 182-187.	1.8	20
39	OsO4-Catalyzed oxidative cyclization of geranyl and neryl acetate to cis-2,5-bis(hydroxymethyl)tetrahydrofurans. Tetrahedron Letters, 1998, 39, 9781-9784.	0.7	74
40	Reaction of RuO4 with carbonâ€“carbon double bonds. Part 8.1 Reaction of 7,8-didehydrocholesteryl acetate and cholesteryl acetate with RuO4 and OsO4. A comparative view. Journal of the Chemical Society Perkin Transactions II, 1998, , 737-744.	0.9	12
41	Reaction of small-size cycloalkane rings with RuO4. Oxidative scission of ethyl 2,2-dimethoxycyclopropane-1-carboxylates and methyl 2,2,6,6-tetramethoxybicyclo[2.2.0]hexane-1-carboxylates. Tetrahedron Letters, 1996, 37, 527-530.	0.7	15
42	Evidence for the existence of a cyclic ruthenium (VI) diester as an intermediate in the oxidative scission of (â^')-Î±-pinene with RuO4. Tetrahedron Letters, 1995, 36, 5267-5270.	0.7	2