

# Maria Lasalvia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6329912/publications.pdf>

Version: 2024-02-01

42  
papers

523  
citations

687220

13  
h-index

713332

21  
g-index

44  
all docs

44  
docs citations

44  
times ranked

678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-independent roughness value of cell membranes studied by means of AFM technique. <i>Biochimica et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3141-3148.	1.4	78
2	OsO <sub>4</sub> -Catalyzed oxidative cyclization of geranyl and neryl acetate to cis-2,5-bis(hydroxymethyl)tetrahydrofurans. <i>Tetrahedron Letters</i> , 1998, 39, 9781-9784.	0.7	74
3	Visible micro-Raman spectroscopy of single human mammary epithelial cells exposed to x-ray radiation. <i>Journal of Biomedical Optics</i> , 2015, 20, 035003.	1.4	33
4	Urea-induced ROS accelerate senescence in endothelial progenitor cells. <i>Atherosclerosis</i> , 2017, 263, 127-136.	0.4	26
5	Vibrational spectroscopy of synthetic and natural eumelanin. <i>Polymer International</i> , 2016, 65, 1323-1330.	1.6	24
6	Raman spectroscopy and atomic force microscopy study of cellular damage in human keratinocytes treated with HgCl <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2007, 834-836, 182-187.	1.8	20
7	A Comparison of PCA-LDA and PLS-DA Techniques for Classification of Vibrational Spectra. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5345.	1.3	20
8	A REVERBERATION CHAMBER TO INVESTIGATE THE POSSIBLE EFFECTS OF "IN VIVO" EXPOSURE OF RATS TO 1.8 GHz ELECTROMAGNETIC FIELDS: A PRELIMINARY STUDY. <i>Progress in Electromagnetics Research</i> , 2009, 94, 133-152.	1.6	17
9	X-ray irradiation effects on nuclear and membrane regions of single SH-SY5Y human neuroblastoma cells investigated by Raman micro-spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 557-573.	1.4	17
10	An algorithm for estimation of background signal of Raman spectra from biological cell samples using polynomial functions of different degrees. <i>Vibrational Spectroscopy</i> , 2016, 83, 132-137.	1.2	16
11	Reaction of small-size cycloalkane rings with RuO <sub>4</sub> . Oxidative scission of ethyl 2,2-dimethoxycyclopropane-1-carboxylates and methyl 2,2,6,6-tetramethoxybicyclo[2.2.0]hexane-1-carboxylates. <i>Tetrahedron Letters</i> , 1996, 37, 527-530.	0.7	15
12	Human airway epithelial cells investigated by atomic force microscopy: A hint to cystic fibrosis epithelial pathology. <i>Experimental Cell Research</i> , 2016, 348, 46-55.	1.2	15
13	Discrimination of different degrees of oral squamous cell carcinoma by means of Raman microspectroscopy and atomic force microscopy. <i>Analytical Methods</i> , 2015, 7, 699-707.	1.3	14
14	Reaction of RuO <sub>4</sub> with carbon-carbon double bonds. Part 8.1 Reaction of 7,8-didehydrocholesteryl acetate and cholesteryl acetate with RuO <sub>4</sub> and OsO <sub>4</sub> . A comparative view. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 737-744.	0.9	12
15	Exposure to 1.8 GHz electromagnetic fields affects morphology, DNA-related Raman spectra and mitochondrial functions in human lympho-monocytes. <i>PLoS ONE</i> , 2018, 13, e0192894.	1.1	12
16	Multivariate Analysis of Difference Raman Spectra of the Irradiated Nucleus and Cytoplasm Region of SH-SY5Y Human Neuroblastoma Cells. <i>Sensors</i> , 2019, 19, 3971.	2.1	11
17	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. <i>Analyst</i> , 2019, 144, 2097-2108.	1.7	11
18	Identification of chemical modification in single human keratinocyte cells exposed to low doses of chlorpyrifos by Raman micro-spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 603-611.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Detection of pesticide effects in human keratinocytes by means of Raman microspectroscopy. Applied Physics Letters, 2009, 95, 083701.	1.5	9
20	Raman spectroscopy monitoring of MCF10A cells irradiated by protons at clinical doses. International Journal of Radiation Biology, 2019, 95, 207-214.	1.0	9
21	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
22	Characterization of human cells exposed to deltamethrin by means of Raman microspectroscopy and atomic force microscopy. Vibrational Spectroscopy, 2011, , .	1.2	7
23	Raman microspectroscopy discrimination of single human keratinocytes exposed at low dose of pesticide. Journal of Molecular Structure, 2012, 1010, 123-129.	1.8	7
24	Atomic force microscopy investigation of morphological changes in living keratinocytes treated with HgCl <sub>2</sub> at not cytotoxic doses. Journal of Microscopy, 2011, 243, 40-46.	0.8	6
25	FT-IR Transfection Micro-Spectroscopy Study on Normal Human Breast Cells after Exposure to a Proton Beam. Applied Sciences (Switzerland), 2021, 11, 540.	1.3	6
26	X-ray radiation-induced effects in human mammary epithelial cells investigated by Raman microspectroscopy. , 2012, , .		5
27	Biochemical Changes in Human Cells Exposed to Low Concentrations of Gold Nanoparticles Detected by Raman Microspectroscopy. Sensors, 2019, 19, 2418.	2.1	5
28	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
29	Apparatus for "in vivo" exposure at 1.8 GHz microwaves. Journal of Instrumentation, 2011, 6, T07002-T07002.	0.5	4
30	Morphology of synthetic DOPA-eumelanin deposited on glass and mica substrates: An atomic force microscopy investigation. Micron, 2014, 64, 28-33.	1.1	4
31	Ultrafast transient absorption of eumelanin suspensions: the role of inverse Raman scattering. Biomedical Optics Express, 2015, 6, 4000.	1.5	4
32	A Comparison between FTIR Spectra from HUK1 and SH-SY5Y Cell Lines Grown on Different Substrates. Applied Sciences (Switzerland), 2020, 10, 8825.	1.3	4
33	Atomic force microscopy study on human keratinocytes treated with HgCl <sub>2</sub> . Journal of Physics: Conference Series, 2007, 61, 920-925.	0.3	3
34	Recognition of healthy and cancerous breast cells: Sensing the differences by dielectric spectroscopy. Medical Physics, 2020, 47, 5373-5382.	1.6	3
35	Discrimination of Different Breast Cell Lines on Glass Substrate by Means of Fourier Transform Infrared Spectroscopy. Sensors, 2021, 21, 6992.	2.1	3
36	Evidence for the existence of a cyclic ruthenium (VI) diester as an intermediate in the oxidative scission of (α)-pinene with RuO <sub>4</sub> . Tetrahedron Letters, 1995, 36, 5267-5270.	0.7	2

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Micro-Raman spectroscopy on human mammary epithelial cells irradiated by different doses of X-Rays. , 2011, , .		0
40	Raman micro-spectroscopy investigation on the effects of x-rays and polyphenols in human neuroblastoma cells. , 2019, , .		0
41	Early Altered Cells Health Status Detection via Label Free Impedance and Broadband dielectric Spectroscopy. , 2021, , .		0
42	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