

Katarzyna Majzner

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,863
citations

567144

15
h-index

501076

28
g-index

31
all docs

31
docs citations

31
times ranked

4588
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy of proteins: a review. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1061-1076.	1.2	783
2	Raman spectroscopy of lipids: a review. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 4-20.	1.2	703
3	Raman and infrared spectroscopy of carbohydrates: A review. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 317-335.	2.0	654
4	Cell viability assessment using the Alamar blue assay: A comparison of 2D and 3D cell culture models. <i>Toxicology in Vitro</i> , 2015, 29, 124-131.	1.1	182
5	FT-IR Hyperspectral Imaging and Artificial Neural Network Analysis for Identification of Pathogenic Bacteria. <i>Analytical Chemistry</i> , 2018, 90, 8896-8904.	3.2	78
6	Raman Imaging Providing Insights into Chemical Composition of Lipid Droplets of Different Size and Origin: In Hepatocytes and Endothelium. <i>Analytical Chemistry</i> , 2014, 86, 6666-6674.	3.2	69
7	3D confocal Raman imaging of endothelial cells and vascular wall: perspectives in analytical spectroscopy of biomedical research. <i>Analyst, The</i> , 2013, 138, 603-610.	1.7	63
8	Comparative endothelial profiling of doxorubicin and daunorubicin in cultured endothelial cells. <i>Toxicology in Vitro</i> , 2015, 29, 512-521.	1.1	52
9	Attenuated total reflection Fourier transform infrared (ATR-FTIR) spectroscopy of a single endothelial cell. <i>Analyst, The</i> , 2012, 137, 4135.	1.7	32
10	Spectroscopic studies of anthracyclines: Structural characterization and in vitro tracking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 152-160.	2.0	30
11	Nuclear accumulation of anthracyclines in the endothelium studied by bimodal imaging: fluorescence and Raman microscopy. <i>Analyst, The</i> , 2015, 140, 2302-2310.	1.7	28
12	Uptake of fatty acids by a single endothelial cell investigated by Raman spectroscopy supported by AFM. <i>Analyst, The</i> , 2018, 143, 970-980.	1.7	28
13	Lipid droplets formation in human endothelial cells in response to polyunsaturated fatty acids and 1- <i>methylnicotinamide</i> (MNA); confocal Raman imaging and fluorescence microscopy studies. <i>Journal of Biophotonics</i> , 2016, 9, 396-405.	1.1	26
14	Raman microscopy as a novel tool to detect endothelial dysfunction. <i>Pharmacological Reports</i> , 2015, 67, 736-743.	1.5	21
15	Protein profile in vascular wall of atherosclerotic mice analyzed ex vivo using FT-IR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 940-945.	2.0	15
16	Secondary structure of proteins analyzed ex vivo in vascular wall in diabetic animals using FT-IR spectroscopy. <i>Analyst, The</i> , 2013, 138, 7400.	1.7	15
17	Chloroquine-Induced Accumulation of Autophagosomes and Lipids in the Endothelium. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2401.	1.8	12
18	Tunicamycin induced endoplasmic reticulum changes in endothelial cells investigated <i>in vitro</i> by confocal Raman imaging. <i>Analyst, The</i> , 2019, 144, 6561-6569.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Estimation of the content of lipids composing endothelial lipid droplets based on Raman imaging. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158758.	1.2	10
20	Menadione-induced endothelial inflammation detected by Raman spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118911.	1.9	10
21	Towards Raman-Based Screening of Acute Lymphoblastic Leukemia-Type B (B-ALL) Subtypes. <i>Cancers</i> , 2021, 13, 5483.	1.7	9
22	Apatite from NWA 10153 and NWA 10645â€”The Key to Deciphering Magmatic and Fluid Evolution History in Nakhilites. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 695.	0.8	7
23	Different route of hydroxide incorporation and thermal stability of new type of water clathrate: X-ray single crystal and Raman investigation. <i>Scientific Reports</i> , 2017, 7, 9046.	1.6	5
24	Diversity among endothelial cell lines revealed by Raman and Fourier-transform infrared spectroscopic imaging. <i>Analyst, The</i> , 2018, 143, 4323-4334.	1.7	5
25	General Overview on Vibrational Spectroscopy Applied in Biology and Medicine. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 3-14.	0.6	5
26	Raman and fluorescence imaging of phospholipidosis induced by cationic amphiphilic drugs in endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119186.	1.9	4
27	Raman Imaging of Biomedical Samples. <i>Springer Series in Surface Sciences</i> , 2018, , 307-346.	0.3	3
28	Protomylonite evolution potentially revealed by the 3D depiction and fractal analysis of chemical data from a feldspar. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	2
29	Vibrational imaging of proteins: changes in the tissues and cells in the lifestyle disease studies. , 2020, , 177-218.		1
30	Geochemistry and growth morphology of alkali feldspar crystals from an IAB iron meteorite â€” insight into possible hypotheses of their crystallization. <i>Annales Societatis Geologorum Poloniae</i> , 0, , .	0.1	0
31	â€œlets therapeutic checkpoint: Inhibition of stearylâ€”CoA desaturase impairs lipid droplet morphology and metabolism during palmitotoxicity of pancreatic Î²â€”cellsâ€”. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0