Krzysztof Czamara

List of Publications by Year
in descending order

29 papers	1,762 citations	758635 12 h-index	525886 27 g-index
30 all docs	30 docs citations	30 times ranked	2805 citing authors

#	Article	IF	Citations
1	The impact of HPV infection on human glycogen and lipid metabolism â€“ a review. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188646.	3.3	17
2	Prominent hypertrophy of perivascular adipocytes due to short-term high fat diet. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166315.	1.8	10
3	The distinct phenotype of primary adipocytes and adipocytes derived from stem cells of white adipose tissue as assessed by Raman and fluorescence imaging. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	4
4	Astaxanthin as a new Raman probe for biosensing of specific subcellular lipidic structures: can we detect lipids in cells under resonance conditions?. Cellular and Molecular Life Sciences, 2021, 78, 3477-3484.	2.4	11
5	A new approach to study human perivascular adipose tissue of the internal mammary artery by fiber-optic Raman spectroscopy supported by spectral modelling. Analyst, The, 2021, 146, 270-276.	1.7	7
6	Dual Switch in Lipid Metabolism in Cervical Epithelial Cells during Dysplasia Development Observed Using Raman Microscopy and Molecular Methods. Cancers, 2021, 13, 1997.	1.7	6
7	Lipid Droplets Formation Represents an Integral Component of Endothelial Inflammation Induced by LPS. Cells, 2021, 10, 1403.	1.8	14
8	Systemic Administration of Insulin Receptor Antagonist Results in Endothelial and Perivascular Adipose Tissue Dysfunction in Mice. Cells, 2021, 10, 1448.	1.8	7
9	Phospholipids accumulation and calcification in cultured primary human aortic valve interstitial cells: New insights revealed by confocal Raman imaging. Journal of Raman Spectroscopy, 2020, 51, 104-114.	1.2	0
10	In Vivo Magnetic Resonance Imagingâ€Based Detection of Heterogeneous Endothelial Response in Thoracic and Abdominal Aorta to Shortâ€Term Highâ€Fat Diet Ascribed to Differences in Perivascular Adipose Tissue in Mice. Journal of the American Heart Association, 2020, 9, e016929.	1.6	24
11	Distinct Chemical Changes in Abdominal but Not in Thoracic Aorta upon Atherosclerosis Studied Using Fiber Optic Raman Spectroscopy. International Journal of Molecular Sciences, 2020, 21, 4838.	1.8	15
12	Labeled vs. Label-Free Raman Imaging of Lipids in Endothelial Cells of Various Origins. Molecules, 2020, 25, 5752.	1.7	8
13	Estimation of the content of lipids composing endothelial lipid droplets based on Raman imaging. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158758.	1.2	10
14	Vibrational imaging of proteins: changes in the tissues and cells in the lifestyle disease studies. , 2020, , 177-218.		1
15	HPV Infection Significantly Accelerates Glycogen Metabolism in Cervical Cells with Large Nuclei: Raman Microscopic Study with Subcellular Resolution. International Journal of Molecular Sciences, 2020, 21, 2667.	1.8	11
16	Small and Large Molecules Investigated by Raman Spectroscopy. Challenges and Advances in Computational Chemistry and Physics, 2019, , 161-198.	0.6	1
17	Impact of cell cycle dynamics on pathology recognition: Raman imaging study. Journal of Biophotonics, 2019, 12, e201800152.	1.1	7
18	Raman spectroscopy as a novel tool for fast characterization of the chemical composition of perivascular adipose tissue. Analyst, The, 2018, 143, 5999-6005.	1.7	18

#	Article	IF	Citations
19	Diversity among endothelial cell lines revealed by Raman and Fourier-transform infrared spectroscopic imaging. Analyst, The, 2018, 143, 4323-4334.	1.7	5
20	Rapid diagnostics of liver steatosis by Raman spectroscopyviafiber optic probe: a pilot study. Analyst, The, 2018, 143, 4723-4731.	1.7	22
21	Unsaturated lipid bodies as a hallmark of inflammation studied by Raman 2D and 3D microscopy. Scientific Reports, 2017, 7, 40889.	1.6	75
22	Raman and infrared spectroscopy of carbohydrates: A review. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 317-335.	2.0	654
23	Polypyridyl substituted BODIPY derivatives; water switchable imaging probes that exhibit halogen substituent dependent localisation in live cells. RSC Advances, 2017, 7, 43743-43754.	1.7	9
24	Raman spectroscopy as a sensitive probe of soft tissue composition â€“ Imaging of cross-sections of various organs vs. single spectra of tissue homogenates. TrAC - Trends in Analytical Chemistry, 2016, 85, 117-127.	5.8	38
25	Raman microscopy at the subcellular level: a study on early apoptosis in endothelial cells induced by Fas ligand and cycloheximide. Analyst, The, 2016, 141, 1390-1397.	1.7	25
26	Vascular diseases investigated ex vivo by using Raman, FT-IR and complementary methods. Pharmacological Reports, 2015, 67, 744-750.	1.5	15
27	Raman spectroscopy of lipids: a review. Journal of Raman Spectroscopy, 2015, 46, 4-20.	1.2	703
28	Raman microspectroscopy of human aortic valves: investigation of the local and global biochemical changes associated with calcification in aortic stenosis. Analyst, The, 2015, 140, 2164-2170.	1.7	17
29	Calcification of aortic human valves studied in situ by Raman microimaging: following mineralization from small grains to big deposits. Journal of Raman Spectroscopy, 2013, 44, 1222-1229.	1.2	20