

Karolina ChrabĄszcz

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

274
citations

933447
10
h-index

940533
16
g-index

18
all docs

18
docs citations

18
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy as a sensitive probe of soft tissue composition – Imaging of cross-sections of various organs vs. single spectra of tissue homogenates. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 117-127.	11.4	38
2	An Analysis of Isolated and Intact RBC Membranes – A Comparison of a Semiquantitative Approach by Means of FTIR, Nano-FTIR, and Raman Spectroscopies. <i>Analytical Chemistry</i> , 2019, 91, 9867-9874.	6.5	34
3	FTIR, Raman and AFM characterization of the clinically valid biochemical parameters of the thrombi in acute ischemic stroke. <i>Scientific Reports</i> , 2019, 9, 15475.	3.3	27
4	IR and Raman imaging of murine brains from control and ApoE/LDLR ^{-/-} mice with advanced atherosclerosis. <i>Analyst, The</i> , 2016, 141, 5329-5338.	3.5	25
5	FT-IR- and Raman-based biochemical profiling of the early stage of pulmonary metastasis of breast cancer in mice. <i>Analyst, The</i> , 2018, 143, 2042-2050.	3.5	23
6	Stem Photosynthesis – A Key Element of Grass Pea (<i>Lathyrus sativus</i> L.) Acclimatisation to Salinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 685.	4.1	23
7	Label-free FTIR spectroscopy detects and visualizes the early stage of pulmonary micrometastasis seeded from breast carcinoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3574-3584.	3.8	19
8	High and ultra-high definition of infrared spectral histopathology gives an insight into chemical environment of lung metastases in breast cancer. <i>Journal of Biophotonics</i> , 2019, 12, e201800345.	2.3	18
9	In Vitro Spectroscopy-Based Profiling of Urothelial Carcinoma: A Fourier Transform Infrared and Raman Imaging Study. <i>Cancers</i> , 2021, 13, 123.	3.7	14
10	Tracking Extracellular Matrix Remodeling in Lungs Induced by Breast Cancer Metastasis. <i>Fourier Transform Infrared Spectroscopic Studies. Molecules</i> , 2020, 25, 236.	3.8	12
11	Fourier Transform Infrared Polarization Contrast Imaging Recognizes Proteins Degradation in Lungs upon Metastasis from Breast Cancer. <i>Cancers</i> , 2021, 13, 162.	3.7	9
12	Spectral signature of multiple sclerosis. Preliminary studies of blood fraction by ATR FTIR technique. <i>Biochemical and Biophysical Research Communications</i> , 2022, 593, 40-45.	2.1	8
13	Molecular profiling of the intestinal mucosa and immune cells of the colon by multi-parametric histological techniques. <i>Scientific Reports</i> , 2021, 11, 11309.	3.3	7
14	Multimodal vibrational studies of drug uptake in vitro: Is the whole greater than the sum of their parts?. <i>Journal of Biophotonics</i> , 2020, 13, e202000264.	2.3	5
15	Comparison of standard and HD FT-IR with multimodal CARS/TPEF/SHG/FLIMS imaging in the detection of the early stage of pulmonary metastasis of murine breast cancer. <i>Analyst, The</i> , 2020, 145, 4982-4990.	3.5	5
16	FTIR Spectroscopic Imaging Supports Urine Cytology for Classification of Low- and High-Grade Bladder Carcinoma. <i>Cancers</i> , 2021, 13, 5734.	3.7	4
17	High-Resolution Fourier Transform Infrared (FT-IR) Spectroscopic Imaging for Detection of Lung Structures and Cancer-Related Abnormalities in a Murine Model. <i>Applied Spectroscopy</i> , 2021, , 000370282110255.	2.2	2
18	Vibrational imaging of proteins: changes in the tissues and cells in the lifestyle disease studies. , 2020, , 177-218.		1