

Frederik Großer^{1/4}schkamp

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,239
citations

759055

12
h-index

642610

23
g-index

30
all docs

30
docs citations

30
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	Lewy pathology in Parkinsonâ€™s disease consists of crowded organelles and lipid membranes. <i>Nature Neuroscience</i> , 2019, 22, 1099-1109.	7.1	604
2	Immunohistochemistry, histopathology and infrared spectral histopathology of colon cancer tissue sections. <i>Journal of Biophotonics</i> , 2013, 6, 88-100.	1.1	101
3	Marker-free automated histopathological annotation of lung tumour subtypes by FTIR imaging. <i>Analyst, The</i> , 2015, 140, 2114-2120.	1.7	95
4	Quantum Cascade Laser-Based Infrared Microscopy for Label-Free and Automated Cancer Classification in Tissue Sections. <i>Scientific Reports</i> , 2018, 8, 7717.	1.6	72
5	Label-free classification of colon cancer grading using infrared spectral histopathology. <i>Faraday Discussions</i> , 2016, 187, 105-118.	1.6	56
6	Spatial and molecular resolution of diffuse malignant mesothelioma heterogeneity by integrating label-free FTIR imaging, laser capture microdissection and proteomics. <i>Scientific Reports</i> , 2017, 7, 44829.	1.6	49
7	Label-free vibrational imaging of different AÎ² plaque types in Alzheimerâ€™s disease reveals sequential events in plaque development. <i>Acta Neuropathologica Communications</i> , 2020, 8, 222.	2.4	40
8	Integrated Fourier Transform Infrared Imaging and Proteomics for Identification of a Candidate Histochemical Biomarker in Bladder Cancer. <i>American Journal of Pathology</i> , 2019, 189, 619-631.	1.9	39
9	An openâ€“source code for Mie extinction extended multiplicative signal correction for infrared microscopy spectra of cells and tissues. <i>Journal of Biophotonics</i> , 2019, 12, e201800415.	1.1	28
10	Specific Substates of Ras To Interact with GAPs and Effectors: Revealed by Theoretical Simulations and FTIR Experiments. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1312-1317.	2.1	23
11	Deep representation learning for domain adaptable classification of infrared spectral imaging data. <i>Bioinformatics</i> , 2020, 36, 287-294.	1.8	19
12	A method for the comparison of multi-platform spectral histopathology (SHP) data sets. <i>Analyst, The</i> , 2015, 140, 2465-2472.	1.7	17
13	Label-free, automated classification of microsatellite status in colorectal cancer by infrared imaging. <i>Scientific Reports</i> , 2020, 10, 10161.	1.6	13
14	Fully automated registration of vibrational microspectroscopic images in histologically stained tissue sections. <i>BMC Bioinformatics</i> , 2015, 16, 396.	1.2	9
15	Clinical application of infrared fibre-optic probes for the discrimination of colorectal cancer tissues and cancer grades. <i>Vibrational Spectroscopy</i> , 2017, 91, 99-110.	1.2	9
16	Similarity maps and hierarchical clustering for annotating FT-IR spectral images. <i>BMC Bioinformatics</i> , 2013, 14, 333.	1.2	8
17	Grayscale representation of infrared microscopy images by extended multiplicative signal correction for registration with histological images. <i>Journal of Biophotonics</i> , 2020, 13, e201960223.	1.1	8
18	Quantum Cascade Laser-Based Infrared Imaging as a Label-Free and Automated Approach to Determine Mutations in Lung Adenocarcinoma. <i>American Journal of Pathology</i> , 2021, 191, 1269-1280.	1.9	7

#	ARTICLE	IF	CITATIONS
19	Label-free identification of myopathological features with coherent anti-Stokes Raman scattering. Muscle and Nerve, 2018, 58, 456-459.	1.0	6
20	Label-free digital pathology by infrared imaging. Biomedical Spectroscopy and Imaging, 2020, 9, 5-12.	1.2	4
21	Advances in Digital Pathology: From Artificial Intelligence to Label-Free Imaging. Visceral Medicine, 2021, 37, 482-490.	0.5	4
22	A representation learning approach for recovering scatter-corrected spectra from Fourier-transform infrared spectra of tissue samples. Journal of Biophotonics, 2021, 14, e202000385.	1.1	3
23	Application of Label-Free for Quantitative Analysis of Urothelial Carcinoma and Tissue. Methods in Molecular Biology, 2021, 2228, 283-292.	0.4	1
24	Vibrational spectroscopy for label-free cancer detection. SPIE Newsroom, 0, , .	0.1	1
25	Investigating AÎ² plaque development using FTIR micro-spectroscopy on native postmortem human brain tissue. Alzheimer's and Dementia, 2020, 16, e043289.	0.4	0
26	Label-free and automated approach to rapidly classify microsatellite instability (MSI) in early colon cancer (CC) analyzing the AIO ColoPredictPlus 2.0 (CPP) registry trial.. Journal of Clinical Oncology, 2022, 40, 3616-3616.	0.8	0