# Frederik GroÃerÃ¼schkamp

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | A representation learning approach for recovering scatterâ€corrected spectra from Fourierâ€transform infrared spectra of tissue samples. Journal of Biophotonics, 2021, 14, e202000385. | 1.1 | 3 |
| 3 | Application of Label-Free for Quantitative Analysis of Urothelial Carcinoma and Tissue. Methods in Molecular Biology, 2021, 2228, 283-292. | 0.4 | 1 |
| 4 | Quantum Cascade Laser-Based Infrared Imaging as a Label-Free and Automated Approach to Determine Mutations in Lung Adenocarcinoma. American Journal of Pathology, 2021, 191, 1269-1280. | 1.9 | 7 |
| 5 | Advances in Digital Pathology: From Artificial Intelligence to Label-Free Imaging. Visceral Medicine, 2021, 37, 482-490. | 0.5 | 4 |
| 6 | Deep representation learning for domain adaptable classification of infrared spectral imaging data. Bioinformatics, 2020, 36, 287-294. | 1.8 | 19 |
| 7 | Label-free vibrational imaging of different AÎ² plaque types in Alzheimerâ€™s disease reveals sequential events in plaque development. Acta Neuropathologica Communications, 2020, 8, 222. | 2.4 | 40 |
| 8 | Investigating AÎ² plaque development using FTIR microâ€spectroscopy on native postmortem human brain tissue. Alzheimer's and Dementia, 2020, 16, e043289. | 0.4 | 0 |
| 9 | Label-free digital pathology by infrared imaging. Biomedical Spectroscopy and Imaging, 2020, 9, 5-12. | 1.2 | 4 |
| 10 | Grayscale representation of infrared microscopy images by extended multiplicative signal correction for registration with histological images. Journal of Biophotonics, 2020, 13, e201960223. | 1.1 | 8 |
| 11 | Label-free, automated classification of microsatellite status in colorectal cancer by infrared imaging. Scientific Reports, 2020, 10, 10161. | 1.6 | 13 |
| 12 | Lewy pathology in Parkinsonâ€™s disease consists of crowded organelles and lipid membranes. Nature Neuroscience, 2019, 22, 1099-1109. | 7.1 | 604 |
| 13 | An openâ€source code for Mie extinction extended multiplicative signal correction for infrared microscopy spectra of cells and tissues. Journal of Biophotonics, 2019, 12, e201800415. | 1.1 | 28 |
| 14 | Integrated Fourier Transform Infrared Imaging and Proteomics for Identification of a Candidate Histochemical Biomarker in Bladder Cancer. American Journal of Pathology, 2019, 189, 619-631. | 1.9 | 39 |
| 15 | Specific Substates of Ras To Interact with GAPs and Effectors: Revealed by Theoretical Simulations and FTIR Experiments. Journal of Physical Chemistry Letters, 2018, 9, 1312-1317. | 2.1 | 23 |
| 16 | Labelâ€free identification of myopathological features with coherent antiâ€Stokes Raman scattering. Muscle and Nerve, 2018, 58, 456-459. | 1.0 | 6 |
| 17 | Quantum Cascade Laser-Based Infrared Microscopy for Label-Free and Automated Cancer Classification in Tissue Sections. Scientific Reports, 2018, 8, 7717. | 1.6 | 72 |
| 18 | Spatial and molecular resolution of diffuse malignant mesothelioma heterogeneity by integrating label-free FTIR imaging, laser capture microdissection and proteomics. Scientific Reports, 2017, 7, 44829. | 1.6 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Clinical application of infrared fibre-optic probes for the discrimination of colorectal cancer tissues and cancer grades. Vibrational Spectroscopy, 2017, 91, 99-110. | 1.2 | 9 |
| 20 | Label-free classification of colon cancer grading using infrared spectral histopathology. Faraday Discussions, 2016, 187, 105-118. | 1.6 | 56 |
| 21 | Fully automated registration of vibrational microspectroscopic images in histologically stained tissue sections. BMC Bioinformatics, 2015, 16, 396. | 1.2 | 9 |
| 22 | Marker-free automated histopathological annotation of lung tumour subtypes by FTIR imaging. Analyst, The, 2015, 140, 2114-2120. | 1.7 | 95 |
| 23 | A method for the comparison of multi-platform spectral histopathology (SHP) data sets. Analyst, The, 2015, 140, 2465-2472. | 1.7 | 17 |
| 24 | Similarity maps and hierarchical clustering for annotating FT-IR spectral images. BMC Bioinformatics, 2013, 14, 333. | 1.2 | 8 |
| 25 | Immunohistochemistry, histopathology and infrared spectral histopathology of colon cancer tissue sections. Journal of Biophotonics, 2013, 6, 88-100. | 1.1 | 101 |
| 26 | Vibrational spectroscopy for label-free cancer detection. SPIE Newsroom, 0, , . | 0.1 | 1 |