Jayakrupakar Nallala

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6928411/publications.pdf

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28	659	623734 14	713466 21
papers	citations	h-index	g-index

28	28	28	990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A multi-modal exploration of heterogeneous physicoâ€“chemical properties of DCIS breast microcalcifications. Analyst, The, 2022, 147, 1641-1654.	3.5	5
2	Infrared Spectroscopic Analysis in the Differentiation of Epithelial Misplacement From Adenocarcinoma in Sigmoid Colonic Adenomatous Polyps. BMC Clinical Pathology, 2022, 15, 2632010X2210889.	1.7	1
3	A highly stable, nanotube-enhanced, CMOS-MEMS thermal emitter for mid-IR gas sensing. Scientific Reports, 2021, 11, 22915.	3.3	11
4	Characterization of colorectal mucus using infrared spectroscopy: a potential target for bowel cancer screening and diagnosis. Laboratory Investigation, 2020, 100, 1102-1110.	3.7	10
5	Calcification Microstructure Reflects Breast Tissue Microenvironment. Journal of Mammary Gland Biology and Neoplasia, 2019, 24, 333-342.	2.7	25
6	Detection of AÎ² plaque-associated astrogliosis in Alzheimer's disease brain by spectroscopic imaging and immunohistochemistry. Analyst, The, 2018, 143, 850-857.	3.5	26
7	Discrimination of skin cancer cells using Fourier transform infrared spectroscopy. Computers in Biology and Medicine, 2018, 100, 50-61.	7.0	10
8	Mid-infrared multispectral tissue imaging using a chalcogenide fiber supercontinuum source. Optics Letters, 2018, 43, 999.	3.3	150
9	Mid-infrared fiber-coupled supercontinuum spectroscopic imaging using a tapered chalcogenide photonic crystal fiber. , 2018, , .		0
10	Performance of mid infrared spectroscopy in skin cancer cell type identification. , 2017, , .		3
11	Multimodal registration of optical microscopic and infrared spectroscopic images from different tissue sections: An application to colon cancer. , 2017, 68, 1-15.		13
12	Fast hyper-spectral imaging of cytological samples in the mid-infrared wavelength region. Proceedings of SPIE, 2017, , .	0.8	3
13	Mid-infrared spectroscopy in skin cancer cell type identification. Proceedings of SPIE, 2017, , .	0.8	1
14	Enhanced spectral histology in the colon using high-magnification benchtop FTIR imaging. Vibrational Spectroscopy, 2017, 91, 83-91.	2.2	24
15	Rapid infrared mapping for highly accurate automated histology in Barrett's oesophagus. Analyst, The, 2017, 142, 1227-1234.	3.5	22
16	Chemicoâ€mechanical imaging of Barrett's oesophagus. Journal of Biophotonics, 2016, 9, 694-700.	2.3	27
17	Multivariate classification of fourier transform infrared hyperspectral images of skin cancer cells. , 2016, , .		3
18	High-resolution FTIR imaging of colon tissues for elucidation of individual cellular and histopathological features. Analyst, The, 2016, 141, 630-639.	3.5	44

#	Article	IF	Citations
19	Identification of GI cancers utilising rapid mid-infrared spectral imaging. Proceedings of SPIE, 2016, , .	0.8	4
20	A two-step framework for the registration of HE stained and FTIR images. , 2016, , .		1
21	Potential of mid IR spectroscopy in the rapid label free identification of skin malignancies. , 2016, , .		2
22	Evaluation of different tissue de-paraffinization procedures for infrared spectral imaging. Analyst, The, 2015, 140, 2369-2375.	3.5	26
23	Infrared spectral histopathology for cancer diagnosis: a novel approach for automated pattern recognition of colon adenocarcinoma. Analyst, The, 2014, 139, 4005-4015.	3.5	54
24	Infrared and Raman Imaging for Characterizing Complex Biological Materials: A Comparative Morpho-Spectroscopic Study of Colon Tissue. Applied Spectroscopy, 2014, 68, 57-68.	2.2	27
25	Infrared imaging as a cancer diagnostic tool: Introducing a new concept of spectral barcodes for identifying molecular changes in colon tumors. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 294-300.	1.5	38
26	Infrared spectral imaging as a novel approach for histopathological recognition in colon cancer diagnosis. Journal of Biomedical Optics, 2012, 17, 116013.	2.6	41
27	Multiple Pathway-Based Genetic Variations Associated with Tobacco Related Multiple Primary Neoplasms. PLoS ONE, 2012, 7, e30013.	2.5	14
28	The Ratio 1660/1690 cmâ^'1 Measured by Infrared Microspectroscopy Is Not Specific of Enzymatic Collagen Cross-Links in Bone Tissue. PLoS ONE, 2011, 6, e28736.	2.5	74