

Nandan Das

List of Publications by Year in descending order

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28
papers

318
citations

1040056

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839539

18
g-index

29
all docs

29
docs citations

29
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Mueller matrix fluorescence spectroscopy for precancer detection. Optics Letters, 2014, 39, 243.	3.3	48
2	Probing multifractality in tissue refractive index: prospects for precancer detection. Optics Letters, 2013, 38, 211.	3.3	39
3	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	2.3	30
4	Raman Plus X: Biomedical Applications of Multimodal Raman Spectroscopy. Sensors, 2017, 17, 1592.	3.8	29
5	Tissue multifractality and Born approximation in analysis of light scattering: a novel approach for precancers detection. Scientific Reports, 2014, 4, 6129.	3.3	27
6	Quantitative assessment of submicron scale anisotropy in tissue multifractality by scattering Mueller matrix in the framework of Born approximation. Optics Communications, 2018, 413, 172-178.	2.1	26
7	Investigation of alterations in multifractality in optical coherence tomographic images of <i>in vivo</i> human retina. Journal of Biomedical Optics, 2016, 21, 096004.	2.6	22
8	Tissue multifractality and hidden Markov model based integrated framework for optimum precancer detection. Journal of Biomedical Optics, 2017, 22, 1.	2.6	16
9	Spatial frequency domain correlation mapping optical coherence tomography for nanoscale structural characterization. Applied Physics Letters, 2019, 115, .	3.3	10
10	Submicron scale tissue multifractal anisotropy in polarized laser light scattering. Laser Physics Letters, 2018, 15, 035601.	1.4	9
11	Mueller matrix approach for probing multifractality in the underlying anisotropic connective tissue. Journal of Biomedical Optics, 2016, 21, 095004.	2.6	8
12	Noninvasive detection of nanoscale structural changes in cornea associated with cross-linking treatment. Journal of Biophotonics, 2020, 13, e201960234.	2.3	8
13	Probing multifractality in depth-resolved refractive index fluctuations in biological tissues using backscattering spectral interferometry. Journal of Optics (United Kingdom), 2016, 18, 125301.	2.2	7
14	Two dimensional multifractal detrended fluctuation analysis of low coherence images for diagnosis of cervical pre-cancer. Biomedical Physics and Engineering Express, 2020, 6, 025011.	1.2	7
15	Nanoscale structure detection and monitoring of tumour growth with optical coherence tomography. Nanoscale Advances, 2020, 2, 2853-2858.	4.6	6
16	Characterization of nanosensitive multifractality in submicron scale tissue morphology and its alteration in tumor progression. Journal of Biomedical Optics, 2021, 26, .	2.6	6
17	Wavelet and multi-fractal based analysis on DIC images in epithelium region to detect and diagnose the cancer progress among different grades of tissues. , 2014, , .		5
18	Pre-cancer detection by wavelet transform and multi-fractality in various grades of DIC stromal images. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Fractal anisotropy in tissue refractive index fluctuations: potential role in precancer detection. Proceedings of SPIE, 2014, , .	0.8	3
20	Optical diagnosis of colon and cervical cancer by support vector machine. Proceedings of SPIE, 2016, , .	0.8	3
21	Diagnosing Heterogeneous Dynamics for CT Scan Images of Human Brain in Wavelet and MFDFA Domain. Springer Proceedings in Physics, 2015, , 335-340.	0.2	3
22	Power-laws in dog behavior may pave the way to predictive models: A pattern analysis study. Heliyon, 2021, 7, e07243.	3.2	1
23	Development of HR-SD-OCT system using supercontinuum light source and its application in detecting nanoscale changes. , 2020, , .		1
24	Probing multi-scale self-similarity of tissue structures using light scattering spectroscopy: prospects in pre-cancer detection. Proceedings of SPIE, 2013, , .	0.8	0
25	Multifractality in depth dependent tissue refractive index variations probed via low-coherence back scattering spectroscopy. , 2016, , .		0
26	Label Free Ultra-Sensitive Imaging with Sub-Diffraction Spatial Resolution. , 2019, , .		0
27	Nano sensitive study and fractal analysis of segmented retinal layers in Fourier domain OCT: promises for early disease detection. , 2019, , .		0
28	Application of over-sampling nano-sensitive optical coherence tomography for monitoring corneal internal structural changes in corneal cross-linking. , 2020, , .		0