

Nandan Das

List of Publications by Year in descending order

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28
papers

318
citations

1040056

9
h-index

839539

18
g-index

29
all docs

29
docs citations

29
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of nanosensitive multifractality in submicron scale tissue morphology and its alteration in tumor progression. Journal of Biomedical Optics, 2021, 26, .	2.6	6
2	Power-laws in dog behavior may pave the way to predictive models: A pattern analysis study. Heliyon, 2021, 7, e07243.	3.2	1
3	Nanoscale structure detection and monitoring of tumour growth with optical coherence tomography. Nanoscale Advances, 2020, 2, 2853-2858.	4.6	6
4	Noninvasive detection of nanoscale structural changes in cornea associated with cross-linking treatment. Journal of Biophotonics, 2020, 13, e201960234.	2.3	8
5	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
6	Development of HR-SD-OCT system using supercontinuum light source and its application in detecting nanoscale changes. , 2020, , .		1
7	Application of over-sampling nano-sensitive optical coherence tomography for monitoring corneal internal structural changes in corneal cross-linking. , 2020, , .		0
8	Spatial frequency domain correlation mapping optical coherence tomography for nanoscale structural characterization. Applied Physics Letters, 2019, 115, .	3.3	10
9	Label Free Ultra-Sensitive Imaging with Sub-Diffraction Spatial Resolution. , 2019, , .		0
10	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	2.3	30
11	Nano sensitive study and fractal analysis of segmented retinal layers in Fourier domain OCT: promises for early disease detection. , 2019, , .		0
12	Submicron scale tissue multifractal anisotropy in polarized laser light scattering. Laser Physics Letters, 2018, 15, 035601.	1.4	9
13	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
14	Raman Plus X: Biomedical Applications of Multimodal Raman Spectroscopy. Sensors, 2017, 17, 1592.	3.8	29
15	Tissue multifractality and hidden Markov model based integrated framework for optimum precancer detection. Journal of Biomedical Optics, 2017, 22, 1.	2.6	16
16	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
17	Mueller matrix approach for probing multifractality in the underlying anisotropic connective tissue. Journal of Biomedical Optics, 2016, 21, 095004.	2.6	8
18	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

#	ARTICLE	IF	CITATIONS
19	Multifractality in depth dependent tissue refractive index variations probed via low-coherence back scattering spectroscopy. , 2016, , .		0
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	Fractal anisotropy in tissue refractive index fluctuations: potential role in precancer detection. Proceedings of SPIE, 2014, , .	0.8	3
23	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
24	Quantitative Mueller matrix fluorescence spectroscopy for precancer detection. Optics Letters, 2014, 39, 243.	3.3	48
25	Pre-cancer detection by wavelet transform and multi-fractality in various grades of DIC stromal images. , 2014, , .		4
26	Tissue multifractality and Born approximation in analysis of light scattering: a novel approach for precancers detection. Scientific Reports, 2014, 4, 6129.	3.3	27
27	Probing multifractality in tissue refractive index: prospects for precancer detection. Optics Letters, 2013, 38, 211.	3.3	39
28	Probing multi-scale self-similarity of tissue structures using light scattering spectroscopy: prospects in pre-cancer detection. Proceedings of SPIE, 2013, , .	0.8	0