Soumya Jana

List of Publications by Year
in descending order

21 papers	**460** citations	1040056 **9** h-index	1125743 **13** g-index
22 all docs	**22** docs citations	**22** times ranked	**590** citing authors

#	Article	IF	Citations
1	Influence of scanning area on choroidal vascularity index measurement using optical coherence tomography. Acta Ophthalmologica, 2017, 95, e770-e775.	1.1	87
2	Automated estimation of choroidal thickness distribution and volume based on OCT images of posterior visual section. Computerized Medical Imaging and Graphics, 2015, 46, 315-327.	5.8	68
3	Experimental study of concurrent data and wireless energy transfer for sensor networks. , 2014, , .		42
4	CHOROIDAL VASCULARITY INDEX AND CHOROIDAL THICKNESS IN EYES WITH RETICULAR PSEUDODRUSEN. Retina, 2020, 40, 612-617.	1.7	40
5	AGE-RELATED CHANGES IN CHOROIDAL VASCULAR DENSITY OF HEALTHY SUBJECTS BASED ON IMAGE BINARIZATION OF SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2018, 38, 508-515.	1.7	38
6	Quantitative shadow compensated optical coherence tomography of choroidal vasculature. Scientific Reports, 2018, 8, 6461.	3.3	36
7	Experimental demonstration of multi-hop RF energy transfer. , 2013, , .		30
8	A Step Towards Miniaturized Milk Adulteration Detection System: Smartphone-Based Accurate pH Sensing Using Electrospun Halochromic Nanofibers. Food Analytical Methods, 2019, 12, 612-624.	2.6	25
9	Semi-automated quantification of hard exudates in colour fundus photographs diagnosed with diabetic retinopathy. BMC Ophthalmology, 2017, 17, 172.	1.4	18
10	Automated quantification of Haller's layer in choroid using swept-source optical coherence tomography. PLoS ONE, 2018, 13, e0193324.	2.5	16
11	Implementation of multi-path energy routing. , 2014, , .		13
12	Laser-based detection and depth estimation of dry and water-filled potholes: A geometric approach. , 2015, , .		9
13	Semi-automated quantification of retinal IS/OS damage in en-face OCT image. Computers in Biology and Medicine, 2016, 69, 52-60.	7.0	9
14	En-face choroidal vascularity map of the macula in healthy eyes. European Journal of Ophthalmology, 2021, 31, 218-225.	1.3	7
15	Surviving wireless energy interference in RF-harvesting sensor networks: An empirical study. , 2014, , .		6
16	Dictionary-based monitoring of premature ventricular contractions: An ultra-low-cost point-of-care service. Artificial Intelligence in Medicine, 2018, 87, 91-104.	6.5	5
17	Amplitude-scan classification using artificial neural networks. Scientific Reports, 2018, 8, 12451.	3.3	5
18	Automated 2D-3D quantitative analysis of corneal graft detachment post DSAEK based on AS-OCT images. Computer Methods and Programs in Biomedicine, 2018, 167, 1-12.	4.7	4

#	Article	IF	Citations
19	A hybrid Fourier/wavelet technique for improved ECG signal approximation. , 2013, , .		1
20	3D visualization and mapping of choroid thickness based on optical coherence tomography: A step-by-step geometric approach. , 2013, , .		1
21	RESILIENT: A robust statistical method for estimating multiple VOC sources from limited field measurements. Heliyon, 2020, 6, e05296.	3.2	0