

Subhamoy Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

351
citations

933447

10
h-index

996975

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36
all docs

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docs citations

36
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous visualization of tumour oxygenation, neovascularization and contrast agent perfusion by real-time three-dimensional optoacoustic tomography. <i>European Radiology</i> , 2016, 26, 1843-1851.	4.5	57
2	Visual Quality Enhancement in Optoacoustic Tomography Using Active Contour Segmentation Priors. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2209-2217.	8.9	37
3	Optimal self-calibration of tomographic reconstruction parameters in whole-body small animal optoacoustic imaging. <i>Photoacoustics</i> , 2014, 2, 128-136.	7.8	31
4	Imaging Intelligence: AI Is Transforming Medical Imaging Across the Imaging Spectrum. <i>IEEE Pulse</i> , 2018, 9, 16-24.	0.3	28
5	Maximum Entropy Based Non-Negative Optoacoustic Tomographic Image Reconstruction. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2604-2616.	4.2	28
6	Development of Cardiac Prescreening Device for Rural Population Using Ultralow-Power Embedded System. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 745-749.	4.2	20
7	Segmentation of blood smear images using normalized cuts for detection of malarial parasites. , 2010, , .		18
8	A fast auto white balance scheme for digital pathology. , 2014, , .		18
9	Improving Optoacoustic Image Quality via Geometric Pixel Super-Resolution Approach. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 812-818.	8.9	17
10	Extending Biological Imaging to the Fifth Dimension: Evolution of volumetric small animal multispectral optoacoustic tomography. <i>IEEE Pulse</i> , 2015, 6, 47-53.	0.3	15
11	Frugal Innovations for Global Health â€” Perspectives for Students [Student's Corner]. <i>IEEE Pulse</i> , 2014, 5, 11-13.	0.3	14
12	Noise Adaptive Beamforming for Linear Array Photoacoustic Imaging. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	13
13	Multiscale edge detection and parametric shape modeling for boundary delineation in optoacoustic images. , 2015, 2015, 707-10.		9
14	Phonocardiogram signal analysis using adaptive line enhancer methods on Mixed Signal Processor. , 2010, , .		7
15	Grading of mammalian cumulus oocyte complexes using machine learning for in vitro embryo culture. , 2016, , .		6
16	A new framework for wavelet based analysis of acoustical cardiac signals. , 2010, , .		5
17	Volume visualization approach for depth-of-field extension in digital pathology. , 2011, , .		5
18	Brilliant cresyl blue enhanced optoacoustic imaging enables non-destructive imaging of mammalian ovarian follicles for artificial reproduction. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200776.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Determining elastic contrast in tissue-mimicking phantoms using frequency resolved photoacoustic imaging. , 2019, , .		3
20	Multiscale Signal Processing Methods for Improving Image Reconstruction and Visual Quality in LED-Based Photoacoustic Systems. Progress in Optical Science and Photonics, 2020, , 133-158.	0.5	3
21	Automated calibration of temporal changes in the speed of sound in optoacoustic tomography. Proceedings of SPIE, 2013, , .	0.8	2
22	IEEE direct to student program (D2S): Changing dynamics of education and innovation. , 2014, , .		2
23	Advancing ovarian folliculometry with selective plane illumination microscopy. Scientific Reports, 2016, 6, 38057.	3.3	2
24	A comparative study of phonocardiogram analysis techniques based on mixed signal processor. , 2010, , .		1
25	Fast calibration of speed-of-sound using temperature prior in whole-body small animal optoacoustic imaging. , 2015, , .		1
26	The Power of Light: Nobel Prize in Physics 2018. IEEE Pulse, 2019, 10, 14-19.	0.3	1
27	Multimodal priors reduce acoustic and optical inaccuracies in photoacoustic imaging. , 2019, , .		1
28	Making Health Care Universally Accessible: The Emergence of Telemedicine as a Core Necessity [Student's Corner]. IEEE Pulse, 2014, 5, 4-47.	0.3	0
29	Broadening the Horizons of Student Involvement: Transcending Boundaries and Creating New Opportunities [Student's Corner]. IEEE Pulse, 2014, 5, 10-11.	0.3	0
30	Enhancing professionalism among engineering students through involvements in technical societies. , 2015, 2015, 3647-50.		0
31	Four dimensional optoacoustic imaging of perfusion in preclinical breast tumor model in vivo (Conference Presentation). , 2016, , .		0
32	An embedded point-of-care malaria screening device for low-resource regions (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 222 Td		0
33	Optoacoustic imaging quality enhancement based on geometrical super-resolution method. Proceedings of SPIE, 2016, , .	0.8	0
34	Light-sheet microscopy for quantitative ovarian folliculometry. Proceedings of SPIE, 2017, , .	0.8	0
35	Segmentation and Tracking of Tumor Vasculature Using Volumetric Multispectral Optoacoustic Tomography. Advances in Intelligent Systems and Computing, 2022, , 75-78.	0.6	0