Nikhila Nyayapathi

List of Publications by Year
in descending order

15	432	840119 11	1125271 13
papers	citations	h-index	g-index

15	15	15	491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surfactantâ€Stripped Micelles for NIRâ€II Photoacoustic Imaging through 12 cm of Breast Tissue and Whole Human Breasts. Advanced Materials, 2019, 31, e1902279.	11.1	86
2	Photoacoustic imaging of breast cancer: a mini review of system design and image features. Journal of Biomedical Optics, 2019, 24, 1.	1.4	84
3	Various On-Chip Sensors with Microfluidics for Biological Applications. Sensors, 2014, 14, 17008-17036.	2.1	52
4	Dual Scan Mammoscope (DSM)â€"A New Portable Photoacoustic Breast Imaging System With Scanning in Craniocaudal Plane. IEEE Transactions on Biomedical Engineering, 2020, 67, 1321-1327.	2.5	46
5	A New Deep Learning Network for Mitigating Limited-view and Under-sampling Artifacts in Ring-shaped Photoacoustic Tomography. Computerized Medical Imaging and Graphics, 2020, 84, 101720.	3.5	32
6	Optimizing the light delivery of linear-array-based photoacoustic systems by double acoustic reflectors. Scientific Reports, 2018, 8, 13004.	1.6	30
7	A Robust and Secure Palm Vessel Biometric Sensing System Based on Photoacoustics. IEEE Sensors Journal, 2018, 18, 5993-6000.	2.4	28
8	Facile formulation of a long-wavelength cyanine for optical imaging in the second near-infrared window. Biomaterials Science, 2020, 8, 4199-4205.	2.6	16
9	Photoacoustic dual-scan mammoscope: results from 38 patients. Biomedical Optics Express, 2021, 12, 2054.	1.5	16
10	Deep-E: A Fully-Dense Neural Network for Improving the Elevation Resolution in Linear-Array-Based Photoacoustic Tomography. IEEE Transactions on Medical Imaging, 2022, 41, 1279-1288.	5.4	15
11	Ingestible roasted barley for contrast-enhanced photoacoustic imaging in animal and human subjects. Biomaterials, 2018, 175, 72-81.	5.7	13
12	Sound Out the Deep Colors: Photoacoustic Molecular Imaging at New Depths. Molecular Imaging, 2020, 19, 153601212098151.	0.7	9
13	PAvessel. , 2018, 2, 1-24.		4
14	Generalized spatial coherence reconstruction for photoacoustic computed tomography. Journal of Biomedical Optics, 2021, 26, .	1.4	1
15	A new photoacoustic breast cancer tomography system that images the patient in standing pose. , 2020, , .		0