Vijitha Periyasamy

List of Publications by Year
in descending order

25 papers	483 citations	12 h-index 759233	20 g-index 752698
25 all docs	25 docs citations	25 times ranked	502 citing authors

#	Article	IF	Citations
1	Flash Scanning Volumetric Optoacoustic Tomography for High Resolution Whole‐Body Tracking of Nanoagent Kinetics and Biodistribution. Laser and Photonics Reviews, 2021, 15, 2000484.	8.7	12
2	Eigenspace-based minimum variance beamformer combined with sign coherence factor: Application to linear-array photoacoustic imaging. Ultrasonics, 2020, 108, 106174.	3.9	13
3	Eigenspace-Based Minimum Variance Combined With Delay Multiply and Sum Beamformer: Application to Linear-Array Photoacoustic Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	33
4	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. Ultrasonics, 2019, 96, 55-63.	3.9	7
5	Validation of delay‐multiply‐and‐standard‐deviation weighting factor for improved photoacoustic imaging of sentinel lymph node. Journal of Biophotonics, 2019, 12, e201800292.	2.3	9
6	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	2.3	30
7	Photoacoustic imaging depth comparison at 532-, 800-, and 1064-nm wavelengths: Monte Carlo simulation and experimental validation. Journal of Biomedical Optics, 2019, 24, 1.	2.6	16
8	Hand‐held, clinical dual mode ultrasound ‐photoacoustic imaging of rat urinary bladder and its applications. Journal of Biophotonics, 2018, 11, e201700317.	2.3	33
9	Non‐invasive sentinel lymph node mapping and needle guidance using clinical handheld photoacoustic imaging system in small animal. Journal of Biophotonics, 2018, 11, e201700061.	2.3	53
10	Raman Monte Carlo Simulation of Tooth Model with Embedded Sphere for Different Launch Beam Configurations. , 2018, , .		1
11	Efficient nonlinear beamformer based on P'th root of detected signals for linear-array photoacoustic tomography: application to sentinel lymph node imaging. Journal of Biomedical Optics, 2018, 23, 1.	2.6	10
12	Photoacoustic imaging of teeth for dentine imaging and enamel characterization. , 2018, , .		4
13	Photoacoustic cystography using handheld dual modal clinical ultrasound photoacoustic imaging system. , 2018, , .		0
14	Raman Monte Carlo simulation for light propagation for tissue with embedded objects. , 2018, , .		4
15	Optimising probe holder design for sentinel lymph node imaging using clinical photoacoustic system with Monte Carlo simulation. , 2017, , .		1
16	Hand-held Clinical Photoacoustic Imaging System for Real-time Non-invasive Small Animal Imaging. Journal of Visualized Experiments, 2017, , .	0.3	4
17	Review on Heart-Rate Estimation from Photoplethysmography and Accelerometer Signals During Physical Exercise. Journal of the Indian Institute of Science, 2017, 97, 313-324.	1.9	9
18	A High-performance Compact Photoacoustic Tomography System for In Vivo Small-animal Brain Imaging. Journal of Visualized Experiments, 2017, , .	0.3	10

#	Article	IF	Citations
19	Advances in Monte Carlo Simulation for Light Propagation in Tissue. IEEE Reviews in Biomedical Engineering, 2017, 10, 122-135.	18.0	60
20	Optimizing light delivery through fiber bundle in photoacoustic imaging with clinical ultrasound system: Monte Carlo simulation and experimental validation. Journal of Biomedical Optics, 2016, 22, 041008.	2.6	51
21	Importance sampling-based Monte Carlo simulation of time-domain optical coherence tomography with embedded objects. Applied Optics, 2016, 55, 2921.	2.1	17
22	Experimentally validated Raman Monte Carlo simulation for a cuboid object to obtain Raman spectroscopic signatures for hidden material. Journal of Raman Spectroscopy, 2015, 46, 669-676.	2.5	18
23	Multiple Spectral Peak Tracking for Heart Rate Monitoring from Photoplethysmography Signal During Intensive Physical Exercise. IEEE Signal Processing Letters, 2015, 22, 2391-2395.	3.6	24
24	Monte Carlo simulation of light transport in turbid medium with embedded objectâ€"spherical, cylindrical, ellipsoidal, or cuboidal objects embedded within multilayered tissues. Journal of Biomedical Optics, 2014, 19, 045003.	2.6	37
25	Monte Carlo simulation of light transport in tissue for optimizing light delivery in photoacoustic imaging of the sentinel lymph node. Journal of Biomedical Optics, 2013, 18, 106008.	2.6	27