

# Vijitha Periyasamy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11437901/publications.pdf>

Version: 2024-02-01

25  
papers

483  
citations

758635

12  
h-index

752256

20  
g-index

25  
all docs

25  
docs citations

25  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Monte Carlo Simulation for Light Propagation in Tissue. IEEE Reviews in Biomedical Engineering, 2017, 10, 122-135.	13.1	60
2	Noninvasive sentinel lymph node mapping and needle guidance using clinical handheld photoacoustic imaging system in small animal. Journal of Biophotonics, 2018, 11, e201700061.	1.1	53
3	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.	1.4	51
4	Monte Carlo simulation of light transport in turbid medium with embedded object's spherical, cylindrical, ellipsoidal, or cuboidal objects embedded within multilayered tissues. Journal of Biomedical Optics, 2014, 19, 045003.	1.4	37
5	Handheld, clinical dual mode ultrasound photoacoustic imaging of rat urinary bladder and its applications. Journal of Biophotonics, 2018, 11, e201700317.	1.1	33
6	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.	1.9	33
7	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	1.1	30
8	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.	1.4	27
9	Multiple Spectral Peak Tracking for Heart Rate Monitoring from Photoplethysmography Signal During Intensive Physical Exercise. IEEE Signal Processing Letters, 2015, 22, 2391-2395.	2.1	24
10	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.	1.2	18
11	Importance sampling-based Monte Carlo simulation of time-domain optical coherence tomography with embedded objects. Applied Optics, 2016, 55, 2921.	2.1	17
12	Photoacoustic imaging depth comparison at 532-, 800-, and 1064-nm wavelengths: Monte Carlo simulation and experimental validation. Journal of Biomedical Optics, 2019, 24, 1.	1.4	16
13	Eigenspace-based minimum variance beamformer combined with sign coherence factor: Application to linear-array photoacoustic imaging. Ultrasonics, 2020, 108, 106174.	2.1	13
14	Flash Scanning Volumetric Photoacoustic Tomography for High Resolution Whole-Body Tracking of Nanoagent Kinetics and Biodistribution. Laser and Photonics Reviews, 2021, 15, 2000484.	4.4	12
15	A High-performance Compact Photoacoustic Tomography System for In Vivo Small-animal Brain Imaging. Journal of Visualized Experiments, 2017, .	0.2	10
16	Efficient nonlinear beamformer based on Pth root of detected signals for linear-array photoacoustic tomography: application to sentinel lymph node imaging. Journal of Biomedical Optics, 2018, 23, 1.	1.4	10
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.	0.9	9
18	Validation of delay multiply and standard deviation weighting factor for improved photoacoustic imaging of sentinel lymph node. Journal of Biophotonics, 2019, 12, e201800292.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. Ultrasonics, 2019, 96, 55-63.	2.1	7
20	Hand-held Clinical Photoacoustic Imaging System for Real-time Non-invasive Small Animal Imaging. Journal of Visualized Experiments, 2017, , .	0.2	4
21	Photoacoustic imaging of teeth for dentine imaging and enamel characterization. , 2018, , .		4
22	Raman Monte Carlo simulation for light propagation for tissue with embedded objects. , 2018, , .		4
23	Optimising probe holder design for sentinel lymph node imaging using clinical photoacoustic system with Monte Carlo simulation. , 2017, , .		1
24	Raman Monte Carlo Simulation of Tooth Model with Embedded Sphere for Different Launch Beam Configurations. , 2018, , .		1
25	Photoacoustic cystography using handheld dual modal clinical ultrasound photoacoustic imaging system. , 2018, , .		0