

# 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

759233

12  
h-index

752698

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.	18.0	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.	2.3	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.	2.6	51
4	Monte Carlo simulation of light transport in turbid medium with embedded object—spherical, cylindrical, ellipsoidal, or cuboidal objects embedded within multilayered tissues. Journal of Biomedical Optics, 2014, 19, 045003.	2.6	37
5	Handheld, clinical dual mode ultrasound photoacoustic imaging of rat urinary bladder and its applications. Journal of Biophotonics, 2018, 11, e201700317.	2.3	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.	2.9	33
7	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	2.3	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.	2.6	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.	3.6	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.	2.5	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.	2.6	16
13	Eigenspace-based minimum variance beamformer combined with sign coherence factor: Application to linear-array photoacoustic imaging. Ultrasonics, 2020, 108, 106174.	3.9	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.	8.7	12
15	A High-performance Compact Photoacoustic Tomography System for In Vivo Small-animal Brain Imaging. Journal of Visualized Experiments, 2017, .	0.3	10
16	Efficient nonlinear beamformer based on P <sup>th</sup> 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
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	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

#	ARTICLE	IF	CITATIONS
19	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. Ultrasonics, 2019, 96, 55-63.	3.9	7
20	Hand-held Clinical Photoacoustic Imaging System for Real-time Non-invasive Small Animal Imaging. Journal of Visualized Experiments, 2017, , .	0.3	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