

# Geoffrey P Luke

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

1,458  
citations

13  
h-index

37  
g-index

37  
ext. papers

1,721  
ext. citations

6  
avg, IF

4.88  
L-index

#	Paper	IF	Citations
29	Focused Ultrasound Stimulation of an ex-vivo Aplysia Abdominal Ganglion Preparation.. <i>Journal of Neuroscience Methods</i> , <b>2022</b> , 109536	3	0
28	Compressed ultrafast tomographic imaging by passive spatiotemporal projections. <i>Optics Letters</i> , <b>2021</b> , 46, 1788-1791	3	1
27	Two-step training deep learning framework for computational imaging without physics priors. <i>Optics Express</i> , <b>2021</b> , 29, 15239-15254	3.3	7
26	Optically Activatable Double-Drug-Loaded Perfluorocarbon Nanodroplets for On-Demand Image-Guided Drug Delivery. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 8026-8038	5.6	4
25	Repeated Acoustic Vaporization of Perfluorohexane Nanodroplets for Contrast-Enhanced Ultrasound Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 3497-3506	3.2	2
24	Antibody-Conjugated Barium Titanate Nanoparticles for Cell-Specific Targeting. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 2636-2646	5.6	6
23	Imaging of singlet oxygen feedback delayed fluorescence and lysosome permeabilization in tumor in vivo during photodynamic therapy with aluminum phthalocyanine. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-14	3.5	2
22	Imágenes fotoacústicas para diagnósticos médicos. <i>Ingenierías</i> , <b>2020</b> , 23, 28-41	0.3	
21	Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model (Erratum). <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1	3.5	3
20	Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 24, 1-9	3.5	7
19	Impact of depth-dependent optical attenuation on wavelength selection for spectroscopic photoacoustic imaging. <i>Photoacoustics</i> , <b>2018</b> , 12, 46-54	9	6
18	Spectroscopic Photoacoustic Imaging of Gold Nanorods. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1570, 179-194	10.4	2
17	Blinking Phase-Change Nanocapsules Enable Background-Free Ultrasound Imaging. <i>Theranostics</i> , <b>2016</b> , 6, 1866-76	12.1	36
16	Super-Resolution Ultrasound Imaging in Vivo with Transient Laser-Activated Nanodroplets. <i>Nano Letters</i> , <b>2016</b> , 16, 2556-9	11.5	79
15	Label-free Detection of Lymph Node Metastases with US-guided Functional Photoacoustic Imaging. <i>Radiology</i> , <b>2015</b> , 277, 435-42	20.5	46
14	In-vivo ultrasound and photoacoustic image-guided photothermal cancer therapy using silica-coated gold nanorods. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2014</b> , 61, 891-897	3.2	21
13	Sentinel lymph node biopsy revisited: ultrasound-guided photoacoustic detection of micrometastases using molecularly targeted plasmonic nanosensors. <i>Cancer Research</i> , <b>2014</b> , 74, 5397-408	10.1	74

12	In-vivo ultrasound and photoacoustic image- guided photothermal cancer therapy using silica-coated gold nanorods. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2014</b> , 61, 891-7	3.2	9
11	Optimization of in vivo spectroscopic photoacoustic imaging by smart optical wavelength selection. <i>Optics Letters</i> , <b>2014</b> , 39, 2214-7	3	13
10	Optical wavelength selection for improved spectroscopic photoacoustic imaging. <i>Photoacoustics</i> , <b>2013</b> , 1, 36-42	9	66
9	Silica-coated gold nanoplates as stable photoacoustic contrast agents for sentinel lymph node imaging. <i>Nanotechnology</i> , <b>2013</b> , 24, 455101	3.4	57
8	Biomedical applications of photoacoustic imaging with exogenous contrast agents. <i>Annals of Biomedical Engineering</i> , <b>2012</b> , 40, 422-37	4.7	276
7	Silver nanoplate contrast agents for in vivo molecular photoacoustic imaging. <i>ACS Nano</i> , <b>2012</b> , 6, 641-50	16.7	186
6	A Multiaperture Bioinspired Sensor With Hyperacuity. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 308-314	4	18
5	PHOTOACOUSTIC IMAGING FOR MEDICAL DIAGNOSTICS. <i>Acoustics Today</i> , <b>2012</b> , 8, 15-23	0	24
4	In vivo three-dimensional spectroscopic photoacoustic imaging for monitoring nanoparticle delivery. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 2540-50	3.5	90
3	Photoacoustic imaging in cancer detection, diagnosis, and treatment guidance. <i>Trends in Biotechnology</i> , <b>2011</b> , 29, 213-21	15.1	412
2	Ultrasound and photoacoustic image-guided photothermal therapy using silica-coated gold nanorods: In-vivo study <b>2010</b> ,		5
1	Pre-Blurred Spatial Sampling can Lead to Hyperacuity <b>2009</b> ,		4