

Geoffrey P Luke

List of Publications by Citations

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Version: 2024-04-20

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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	Photoacoustic imaging in cancer detection, diagnosis, and treatment guidance. <i>Trends in Biotechnology</i> , 2011 , 29, 213-21	15.1	412
28	Biomedical applications of photoacoustic imaging with exogenous contrast agents. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 422-37	4.7	276
27	Silver nanoplate contrast agents for in vivo molecular photoacoustic imaging. <i>ACS Nano</i> , 2012 , 6, 641-50	16.7	186
26	In vivo three-dimensional spectroscopic photoacoustic imaging for monitoring nanoparticle delivery. <i>Biomedical Optics Express</i> , 2011 , 2, 2540-50	3.5	90
25	Super-Resolution Ultrasound Imaging in Vivo with Transient Laser-Activated Nanodroplets. <i>Nano Letters</i> , 2016 , 16, 2556-9	11.5	79
24	Sentinel lymph node biopsy revisited: ultrasound-guided photoacoustic detection of micrometastases using molecularly targeted plasmonic nanosensors. <i>Cancer Research</i> , 2014 , 74, 5397-408	10.1	74
23	Optical wavelength selection for improved spectroscopic photoacoustic imaging. <i>Photoacoustics</i> , 2013 , 1, 36-42	9	66
22	Silica-coated gold nanoplates as stable photoacoustic contrast agents for sentinel lymph node imaging. <i>Nanotechnology</i> , 2013 , 24, 455101	3.4	57
21	Label-free Detection of Lymph Node Metastases with US-guided Functional Photoacoustic Imaging. <i>Radiology</i> , 2015 , 277, 435-42	20.5	46
20	Blinking Phase-Change Nanocapsules Enable Background-Free Ultrasound Imaging. <i>Theranostics</i> , 2016 , 6, 1866-76	12.1	36
19	PHOTOACOUSTIC IMAGING FOR MEDICAL DIAGNOSTICS. <i>Acoustics Today</i> , 2012 , 8, 15-23	0	24
18	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> , 2014 , 61, 891-897	3.2	21
17	A Multiaperture Bioinspired Sensor With Hyperacuity. <i>IEEE Sensors Journal</i> , 2012 , 12, 308-314	4	18
16	Optimization of in vivo spectroscopic photoacoustic imaging by smart optical wavelength selection. <i>Optics Letters</i> , 2014 , 39, 2214-7	3	13
15	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> , 2014 , 61, 891-7	3.2	9
14	Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model. <i>Journal of Biomedical Optics</i> , 2018 , 24, 1-9	3.5	7
13	Two-step training deep learning framework for computational imaging without physics priors. <i>Optics Express</i> , 2021 , 29, 15239-15254	3.3	7

12	Antibody-Conjugated Barium Titanate Nanoparticles for Cell-Specific Targeting. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2636-2646	5.6	6
11	Impact of depth-dependent optical attenuation on wavelength selection for spectroscopic photoacoustic imaging. <i>Photoacoustics</i> , 2018 , 12, 46-54	9	6
10	Ultrasound and photoacoustic image-guided photothermal therapy using silica-coated gold nanorods: In-vivo study 2010 ,		5
9	Pre-Blurred Spatial Sampling can Lead to Hyperacuity 2009 ,		4
8	Optically Activatable Double-Drug-Loaded Perfluorocarbon Nanodroplets for On-Demand Image-Guided Drug Delivery. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8026-8038	5.6	4
7	Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model (Erratum). <i>Journal of Biomedical Optics</i> , 2019 , 24, 1	3.5	3
6	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> , 2020 , 25, 1-14	3.5	2
5	Spectroscopic Photoacoustic Imaging of Gold Nanorods. <i>Methods in Molecular Biology</i> , 2017 , 1570, 179-194		2
4	Repeated Acoustic Vaporization of Perfluorohexane Nanodroplets for Contrast-Enhanced Ultrasound Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 3497-3506	3.2	2
3	Compressed ultrafast tomographic imaging by passive spatiotemporal projections. <i>Optics Letters</i> , 2021 , 46, 1788-1791	3	1
2	Focused Ultrasound Stimulation of an ex-vivo Aplysia Abdominal Ganglion Preparation.. <i>Journal of Neuroscience Methods</i> , 2022 , 109536	3	0
1	Imágenes fotoacústicas para diagnósticos médicos. <i>Ingenierías</i> , 2020 , 23, 28-41	0.3	