# Geoffrey P Luke

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 36 papers | 1,885 citations | 516215 16 h-index | 476904 29 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 2551 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photoacoustic imaging in cancer detection, diagnosis, and treatment guidance. Trends in Biotechnology, 2011, 29, 213-221. | 4.9 | 532 |
| 2 | Biomedical Applications of Photoacoustic Imaging with Exogenous Contrast Agents. Annals of Biomedical Engineering, 2012, 40, 422-437. | 1.3 | 339 |
| 3 | Silver Nanoplate Contrast Agents for in Vivo Molecular Photoacoustic Imaging. ACS Nano, 2012, 6, 641-650. | 7.3 | 212 |
| 4 | In vivo three-dimensional spectroscopic photoacoustic imaging for monitoring nanoparticle delivery. Biomedical Optics Express, 2011, 2, 2540. | 1.5 | 106 |
| 5 | Super-Resolution Ultrasound Imaging in Vivo with Transient Laser-Activated Nanodroplets. Nano Letters, 2016, 16, 2556-2559. | 4.5 | 104 |
| 6 | Sentinel Lymph Node Biopsy Revisited: Ultrasound-Guided Photoacoustic Detection of Micrometastases Using Molecularly Targeted Plasmonic Nanosensors. Cancer Research, 2014, 74, 5397-5408. | 0.4 | 92 |
| 7 | Optical wavelength selection for improved spectroscopic photoacoustic imaging. Photoacoustics, 2013, 1, 36-42. | 4.4 | 79 |
| 8 | Silica-coated gold nanoplates as stable photoacoustic contrast agents for sentinel lymph node imaging. Nanotechnology, 2013, 24, 455101. | 1.3 | 74 |
| 9 | Label-free Detection of Lymph Node Metastases with US-guided Functional Photoacoustic Imaging. Radiology, 2015, 277, 435-442. | 3.6 | 59 |
| 10 | Blinking Phase-Change Nanocapsules Enable Background-Free Ultrasound Imaging. Theranostics, 2016, 6, 1866-1876. | 4.6 | 49 |
| 11 | Photoacoustic Imaging for Medical Diagnostics. Acoustics Today, 2012, 8, 15. | 1.0 | 30 |
| 12 | Two-step training deep learning framework for computational imaging without physics priors. Optics Express, 2021, 29, 15239. | 1.7 | 26 |
| 13 | In-vivo ultrasound and photoacoustic image- guided photothermal cancer therapy using silica-coated gold nanorods. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 891-897. | 1.7 | 24 |
| 14 | A Multiaperture Bioinspired Sensor With Hyperacuity. IEEE Sensors Journal, 2012, 12, 308-314. | 2.4 | 21 |
| 15 | Optimization of in vivo spectroscopic photoacoustic imaging by smart optical wavelength selection. Optics Letters, 2014, 39, 2214. | 1.7 | 19 |
| 16 | Antibody-Conjugated Barium Titanate Nanoparticles for Cell-Specific Targeting. ACS Applied Nano Materials, 2020, 3, 2636-2646. | 2.4 | 18 |
| 17 | Repeated Acoustic Vaporization of Perfluorohexane Nanodroplets for Contrast-Enhanced Ultrasound Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3497-3506. | 1.7 | 13 |
| 18 | Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model. Journal of Biomedical Optics, 2018, 24, 1. | 1.4 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | In-vivo ultrasound and photoacoustic image- guided photothermal cancer therapy using silica-coated gold nanorods. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 891-897. | 1.7 | 11 |
| 20 | Compressed ultrafast tomographic imaging by passive spatiotemporal projections. Optics Letters, 2021, 46, 1788. | 1.7 | 10 |
| 21 | Optically Activatable Double-Drug-Loaded Perfluorocarbon Nanodroplets for On-Demand Image-Guided Drug Delivery. ACS Applied Nano Materials, 2021, 4, 8026-8038. | 2.4 | 9 |
| 22 | Ultrasound and photoacoustic image-guided photothermal therapy using silica-coated gold nanorods: In-vivo study. , 2010, , . | | 7 |
| 23 | Impact of depth-dependent optical attenuation on wavelength selection for spectroscopic photoacoustic imaging. Photoacoustics, 2018, 12, 46-54. | 4.4 | 7 |
| 24 | Pre-Blurred Spatial Sampling can Lead to Hyperacuity. , 2009, , . | | 5 |
| 25 | Focused ultrasound stimulation of an ex-vivo Aplysia abdominal ganglion preparation. Journal of Neuroscience Methods, 2022, 372, 109536. | 1.3 | 5 |
| 26 | Spectroscopic Photoacoustic Imaging of Gold Nanorods. Methods in Molecular Biology, 2017, 1570, 179-194. | 0.4 | 4 |
| 27 | EGFR-Targeted Perfluorohexane Nanodroplets for Molecular Ultrasound Imaging. Nanomaterials, 2022, 12, 2251. | 1.9 | 4 |
| 28 | Sparsity-based photoacoustic image reconstruction with a linear array transducer and direct measurement of the forward model (Erratum). Journal of Biomedical Optics, 2019, 24, 1. | 1.4 | 3 |
| 29 | Imaging of singlet oxygen feedback delayed fluorescence and lysosome permeabilization in tumor in vivo during photodynamic therapy with aluminum phthalocyanine. Journal of Biomedical Optics, 2020, 25, 1. | 1.4 | 3 |
| 30 | Sparsity-Based Recovery of Three-Dimensional Photoacoustic Images from Compressed Single-Shot Optical Detection. Journal of Imaging, 2021, 7, 201. | 1.7 | 2 |
| 31 | Fluorescent Phase-Changing Perfluorocarbon Nanodroplets as Activatable Near-Infrared Probes. International Journal of Molecular Sciences, 2022, 23, 7312. | 1.8 | 2 |
| 32 | Dual-drug loaded phase-changing nanodroplets for image-guided tumor therapy. , 2020, , . | | 1 |
| 33 | Single-shot Compressed Ultrafast Holography. , 2019, , . | | 1 |
| 34 | Compressed ultrafast tomographic imaging using standard streak cameras. , 2022, , . | | 1 |
| 35 | Spectroscopic Photoacoustic Imaging for the Detection of Lymph Node Metastases. , 2015, , . | | 0 |
| 36 | ImÃ¡genes fotoacÃºsticas para diagnÃ³sticos mÃ©dicos. Ingenierias, 2020, 23, 28-41. | 0.2 | 0 |