# Junhui Shi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5143929/publications.pdf

Version: 2024-02-01

| 31 | 2,011 | 361413 | 434195 |
|---|---|---|---|
| papers | citations | 20 h-index | 31 g-index |

| 32 | 32 | 32 | 1977 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. Nature Biomedical Engineering, 2017, 1, . | 22.5 | 334 |
| 2 | Single-breath-hold photoacoustic computed tomography of the breast. Nature Communications, 2018, 9, 2352. | 12.8 | 290 |
| 3 | High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. Nature Photonics, 2019, 13, 609-615. | 31.4 | 158 |
| 4 | Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. Optica, 2017, 4, 280. | 9.3 | 127 |
| 5 | Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. Nature Communications, 2017, 8, 1386. | 12.8 | 104 |
| 6 | Massively parallel functional photoacoustic computed tomography of the human brain. Nature Biomedical Engineering, 2022, 6, 584-592. | 22.5 | 97 |
| 7 | Highâ€resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. Journal of Biophotonics, 2018, 11, e201700024. | 2.3 | 86 |
| 8 | High-speed widefield photoacoustic microscopy of small-animal hemodynamics. Biomedical Optics Express, 2018, 9, 4689. | 2.9 | 85 |
| 9 | Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. Nature Communications, 2018, 9, 2734. | 12.8 | 77 |
| 10 | High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. Nature Communications, 2021, 12, 882. | 12.8 | 77 |
| 11 | Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. Nature Photonics, 2020, 14, 164-170. | 31.4 | 70 |
| 12 | In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. Scientific Reports, 2016, 6, 39616. | 3.3 | 69 |
| 13 | In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. Light: Science and Applications, 2019, 8, 36. | 16.6 | 67 |
| 14 | Handheld optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2016, 22, 041002. | 2.6 | 54 |
| 15 | Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1848-1853. | 3.0 | 37 |
| 16 | Field-free molecular orientation by a multicolor laser field. Physical Review A, 2011, 83, . | 2.5 | 35 |
| 17 | Observation of Optical Chemical Shift by Precision Nuclear Spin Optical Rotation Measurements and Calculations. Journal of Physical Chemistry Letters, 2013, 4, 437-441. | 4.6 | 30 |
| 18 | Field-free molecular alignment by shaping femtosecond laser pulse with cubic phase modulation. Physical Review A, 2011, 84, . | 2.5 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. Journal of Biomedical Optics, 2018, 23, 1. | 2.6 | 26 |
| 20 | Microwaveâ€induced thermoacoustic tomography through an adult human skull. Medical Physics, 2019, 46, 1793-1797. | 3.0 | 25 |
| 21 | Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. Applied Physics Letters, 2016, 108, 231106. | 3.3 | 22 |
| 22 | Recent advances in high-speed photoacoustic microscopy. Photoacoustics, 2021, 24, 100294. | 7.8 | 21 |
| 23 | Advances in super-resolution photoacoustic imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 724-732. | 2.0 | 18 |
| 24 | Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. Light: Science and Applications, 2020, 9, 135. | 16.6 | 17 |
| 25 | Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. Journal of Biomedical Optics, 2020, 25, 1. | 2.6 | 14 |
| 26 | Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. Journal of Biomedical Optics, 2020, 25, . | 2.6 | 13 |
| 27 | Precise control of state-selective excitation in stimulated Raman scattering. Physical Review A, 2010, 82, . | 2.5 | 9 |
| 28 | Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2018, 23, 1. | 2.6 | 8 |
| 29 | Quantum state transformation by optimal projective measurements. Journal of Mathematical Chemistry, 2011, 49, 507-519. | 1.5 | 6 |
| 30 | Optimal coherent control of coherent anti-Stokes Raman scattering: Signal enhancement and background elimination. Journal of Chemical Physics, 2012, 136, 144114. | 3.0 | 4 |
| 31 | PERFECT POPULATION TRANSFER IN PULSE-DRIVEN QUANTUM CHAINS. Journal of Theoretical and Computational Chemistry, 2010, 09, 847-860. | 1.8 | 1 |