# Wei Yan

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 830 citations | 471061 17 h-index | 552369 26 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 817 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Low-power STED nanoscopy based on temporal and spatial modulation. Nano Research, 2022, 15, 3479-3486. | 5.8 | 8 |
| 2 | Implementation of a fluorescence spatiotemporal modulation super-resolution microscope. Optics Letters, 2022, 47, 581. | 1.7 | 3 |
| 3 | Mitochondrial structural variations in the process of mitophagy. Journal of Biophotonics, 2022, 15, e202200006. | 1.1 | 3 |
| 4 | Aberration Correction to Optimize the Performance of Two-Photon Fluorescence Microscopy Using the Genetic Algorithm. Microscopy and Microanalysis, 2022, 28, 383-389. | 0.2 | 5 |
| 5 | Interface synergistic effects induced multi-mode luminescence. Nano Research, 2022, 15, 4457-4465. | 5.8 | 21 |
| 6 | Nondestructive in situ detection of microbubble defects in the screen by optical coherence tomography. European Physical Journal: Special Topics, 2022, 231, 613-620. | 1.2 | 3 |
| 7 | Multi-Color Two-Photon Microscopic Imaging Based on a Single-Wavelength Excitation. Biosensors, 2022, 12, 307. | 2.3 | 4 |
| 8 | Halogen-doped phosphorescent carbon dots for grayscale patterning. Light: Science and Applications, 2022, 11, . | 7.7 | 27 |
| 9 | Label free deep penetration single photon microscopic imaging with ultralong anti-diffracting beam. Applied Physics Letters, 2022, 121, . | 1.5 | 3 |
| 10 | Improving the image quality in STED nanoscopy using frequency spectrum modulation. Journal of Biophotonics, 2021, 14, e202000402. | 1.1 | 4 |
| 11 | Disulfide-Reduction-Triggered Spontaneous Photoblinking Cy5 Probe for Nanoscopic Imaging of Mitochondrial Dynamics in Live Cells. Analytical Chemistry, 2021, 93, 2596-2602. | 3.2 | 6 |
| 12 | Super-resolution Microscopy for Biological Imaging. Advances in Experimental Medicine and Biology, 2021, 3233, 23-43. | 0.8 | 9 |
| 13 | Shedding New Lights Into STED Microscopy: Emerging Nanoprobes for Imaging. Frontiers in Chemistry, 2021, 9, 641330. | 1.8 | 7 |
| 14 | Deep Penetration Microscopic Imaging with Non-Diffracting Airy Beams. Membranes, 2021, 11, 391. | 1.4 | 10 |
| 15 | Noval Dual-Emission Fluorescence Carbon Dots as a Ratiometric Probe for Cu2+ and ClOâ˜ Detection. Nanomaterials, 2021, 11, 1232. | 1.9 | 11 |
| 16 | Cdâ€free InP / ZnSeS quantum dots for ultrahighâ€resolution imaging of stimulated emission depletion. Journal of Biophotonics, 2021, 14, e202100230. | 1.1 | 3 |
| 17 | Study on Aberration Correction of Adaptive Optics Based on Convolutional Neural Network. Photonics, 2021, 8, 377. | 0.9 | 1 |
| 18 | Low-Power Two-Color Stimulated Emission Depletion Microscopy for Live Cell Imaging. Biosensors, 2021, 11, 330. | 2.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effective Repeatable Mechanoluminescence in Heterostructured Li<sub>1â^'</sub><sub>x</sub>Na<sub>x</sub>NbO<sub>3</sub>: Pr<sup>3+</sup>. Small, 2021, 17, e2103441. | 5.2 | 26 |
| 20 | Responsive Carbonized Polymer Dots for Optical Super-resolution and Fluorescence Lifetime Imaging of Nucleic Acids in Living Cells. ACS Applied Materials & Interfaces, 2021, 13, 50733-50743. | 4.0 | 18 |
| 21 | Nanodrug Transmembrane Transport Research Based on Fluorescence Correlation Spectroscopy. Membranes, 2021, 11, 891. | 1.4 | 1 |
| 22 | Designing Subâ€2â€...nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. Angewandte Chemie, 2020, 132, 756-761. | 1.6 | 3 |
| 23 | Designing Subâ€2â€...nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. Angewandte Chemie - International Edition, 2020, 59, 746-751. | 7.2 | 19 |
| 24 | Solo Smart Fluorogenic Probe for Potential Cancer Diagnosis and Tracking in Vivo Tumorous Lymphatic Systems via Distinct Emission Signals. Analytical Chemistry, 2020, 92, 1541-1548. | 3.2 | 40 |
| 25 | Mitochondrial dynamics quantitatively revealed by STED nanoscopy with an enhanced squaraine variant probe. Nature Communications, 2020, 11, 3699. | 5.8 | 78 |
| 26 | Dualâ€color <scp>STED</scp> superâ€resolution microscope using a single laser source. Journal of Biophotonics, 2020, 13, e202000057. | 1.1 | 11 |
| 27 | Monitoring the Cellular Delivery of Doxorubicinâ€“Cu Complexes in Cells by Fluorescence Lifetime Imaging Microscopy. Journal of Physical Chemistry A, 2020, 124, 4235-4240. | 1.1 | 8 |
| 28 | STORM imaging of mitochondrial dynamics using a vicinal-dithiol-proteins-targeted probe. Biomaterials, 2020, 243, 119938. | 5.7 | 23 |
| 29 | Elimination of Reâ€excitation in Stimulated Emission Depletion Nanoscopy Based on Photon Extraction in a Phasor Plot. Laser and Photonics Reviews, 2020, 14, 1900352. | 4.4 | 5 |
| 30 | Ultralow power demand in fluorescence nanoscopy with digitally enhanced stimulated emission depletion. Nanophotonics, 2020, 9, 831-839. | 2.9 | 10 |
| 31 | ICT and AIE Characteristics Two Cyano-Functionalized Probes and Their Photophysical Properties, DFT Calculations, Cytotoxicity, and Cell Imaging Applications. Molecules, 2020, 25, 585. | 1.7 | 20 |
| 32 | New advances in the research of stimulated emission depletion super-resolution microscopy. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 108702. | 0.2 | 4 |
| 33 | Super-Resolution Imaging Test of Novel Mitochondrial Probe. , 2020, , . | | 0 |
| 34 | Study on a novel probe for stimulated emission depletion Super-resolution Imaging of Mitochondria. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 168702. | 0.2 | 0 |
| 35 | Low-power two-color STED microscopy based on phasor plot analysis. , 2020, , . | | 0 |
| 36 | A Wide-Beamwidth Magneto-Electric Dipole Antenna with Low Cross-Polarization and High Front-to-Back Ratio. , 2020, , . | | 1 |

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|---|---|---|---|
| 37 | A Wideband Omni-directional Antenna Based on Printed Log-Periodic Element. , 2020, , . | | 2 |
| 38 | Support Vector Machine Classification of Nonmelanoma Skin Lesions Based on Fluorescence Lifetime Imaging Microscopy. Analytical Chemistry, 2019, 91, 10640-10647. | 3.2 | 30 |
| 39 | Biocompatible carbon dots with low-saturation-intensity and high-photobleaching-resistance for STED nanoscopy imaging of the nucleolus and tunneling nanotubes in living cells. Nano Research, 2019, 12, 3075-3084. | 5.8 | 73 |
| 40 | Increasing fluorescence lifetime for resolution improvement in stimulated emission depletion nanoscopy. Journal of Biophotonics, 2019, 12, e201800315. | 1.1 | 9 |
| 41 | Tunable plasmonic focus array generated by Dammann grating in tightly focusing system. Journal of Optics (United Kingdom), 2019, 21, 015001. | 1.0 | 2 |
| 42 | Creation of an ultralong non-diffracting magnetization light beam with multiple energy oscillations using the inverse Faraday effect. Optics Letters, 2019, 44, 5537. | 1.7 | 6 |
| 43 | Lowâ€Saturationâ€Intensity, Highâ€Photostability, and Highâ€Resolution STED Nanoscopy Assisted by CsPbBr<sub>3</sub> Quantum Dots. Advanced Materials, 2018, 30, e1800167. | 11.1 | 64 |
| 44 | Mechanistic Investigation of Upconversion Photoluminescence in All-Inorganic Perovskite CsPbBrI<sub>2</sub> Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 3152-3156. | 1.5 | 22 |
| 45 | A Fluorescent Probe for Stimulated Emission Depletion Super-Resolution Imaging of Vicinal-Dithiol-Proteins on Mitochondrial Membrane. Bioconjugate Chemistry, 2018, 29, 1446-1453. | 1.8 | 24 |
| 46 | Aberration correction for improving the image quality in STED microscopy using the genetic algorithm. Nanophotonics, 2018, 7, 1971-1980. | 2.9 | 26 |
| 47 | Resolution improvement in STED super-resolution microscopy at low power using a phasor plot approach. Nanoscale, 2018, 10, 16252-16260. | 2.8 | 46 |
| 48 | Enhanced photoluminescence of CsPbBr<sub>3</sub>@Ag hybrid perovskite quantum dots. Journal of Materials Chemistry C, 2017, 5, 8187-8193. | 2.7 | 68 |
| 49 | Coherent optical adaptive technique improves the spatial resolution of STED microscopy in thick samples. Photonics Research, 2017, 5, 176. | 3.4 | 36 |
| 50 | Fluorescence microendoscopy imaging based on GRIN lenses with one- and two-photon excitation modes. Frontiers of Optoelectronics, 2015, 8, 177-182. | 1.9 | 10 |
| 51 | Dynamic fluorescence lifetime imaging based on acousto-optic deflectors. Journal of Biomedical Optics, 2014, 19, 116004. | 1.4 | 11 |