# Xin Tu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/43087/publications.pdf

Version: 2024-02-01

| 34 | 404 | 840776 11 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 520 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Kerr Frequency Comb Generation in Microsphere Resonators With Normal Dispersion. Journal of Lightwave Technology, 2022, 40, 1092-1097. | 4.6 | 3 |
| 2 | Designs of Compliant Mechanism-Based Force Sensors: A Review. IEEE Sensors Journal, 2022, 22, 8282-8294. | 4.7 | 14 |
| 3 | Chemical reaction monitoring using tunable optofluidic Y-branch waveguides developed with counter-flow. Microfluidics and Nanofluidics, 2022, 26, 1. | 2.2 | 1 |
| 4 | Optimizing two-dimensional polarization-diversity metagrating couplers for silicon photonics. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1256. | 2.1 | 0 |
| 5 | Growth Characteristic Analysis of Haematococcus pluvialis in a Microfluidic Chip Using Digital in-Line Holographic Flow Cytometry. Analytical Chemistry, 2022, 94, 5769-5775. | 6.5 | 3 |
| 6 | 3-D Visualization of Magnetic Field Using In-Line Holographic Microscopy for Micro-Magnetofluidic Applications. IEEE Sensors Journal, 2022, 22, 12700-12707. | 4.7 | 0 |
| 7 | Underwater Acoustic Wave Detection Based on Packaged Optical Microbubble Resonator. Journal of Lightwave Technology, 2022, 40, 6272-6279. | 4.6 | 6 |
| 8 | Three-dimensional visualization and analysis of flowing droplets in microchannels using real-time quantitative phase microscopy. Lab on A Chip, 2021, 21, 75-82. | 6.0 | 14 |
| 9 | Effects of fabrication deviations and fiber misalignments on a fork-shape edge coupler based on subwavelength gratings. Optics Communications, 2021, 482, 126562. | 2.1 | 5 |
| 10 | A Smartphone-Based Fluorescence Microscope With Hydraulically Driven Optofluidic Lens for Quantification of Glucose. IEEE Sensors Journal, 2021, 21, 1229-1235. | 4.7 | 13 |
| 11 | Three-Port Dual-Wavelength-Band Grating Coupler for WDM-PON Applications. IEEE Photonics Technology Letters, 2021, 33, 159-162. | 2.5 | 6 |
| 12 | Analysis of Deep Neural Network Models for Inverse Design of Silicon Photonic Grating Coupler. Journal of Lightwave Technology, 2021, 39, 2790-2799. | 4.6 | 26 |
| 13 | High-efficiency dual-band-multiplexing three-port grating coupler on 220-nm silicon-on-insulator with 248-nm deep-UV lithography. Optics Letters, 2021, 46, 3308. | 3.3 | 10 |
| 14 | Design of highly sensitive interferometric sensors based on subwavelength grating waveguides operating at the dispersion turning point. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2680. | 2.1 | 7 |
| 15 | Design of an on-chip sensor operating near the dispersion turning point with ultrahigh sensitivity. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2786. | 2.1 | 2 |
| 16 | Dual-Wavelength-Band Grating Coupler on 220-nm Silicon-on-Insulator With High Numerical Aperture Fiber Placed Perfectly Vertically. Journal of Lightwave Technology, 2021, 39, 5902-5909. | 4.6 | 3 |
| 17 | The Fusion of Microfluidics and Optics for On-Chip Detection and Characterization of Microalgae. Micromachines, 2021, 12, 1137. | 2.9 | 12 |
| 18 | Optofluidic phase-shifting digital holographic microscopy for quantitative measurement of microfluidic diffusion dynamics. Journal of Applied Physics, 2020, 127, . | 2.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Design of an arbitrary ratio optical power splitter based on a discrete differential multiobjective evolutionary algorithm. Applied Optics, 2020, 59, 1780. | 1.8 | 11 |
| 20 | A compact and polarization-insensitive silicon waveguide crossing based on subwavelength grating MMI couplers. Optics Express, 2020, 28, 27268. | 3.4 | 22 |
| 21 | Cloaking object on an optofluidic chip: its theory and demonstration. Optics Express, 2020, 28, 18283. | 3.4 | 1 |
| 22 | Should internal mammary lymph node sentinel biopsy be performed in breast cancer: a systematic review and meta-analysis. World Journal of Surgical Oncology, 2019, 17, 135. | 1.9 | 9 |
| 23 | Optofluidic light routing via analytically configuring streamlines of microflow. Microfluidics and Nanofluidics, 2019, 23, 1. | 2.2 | 4 |
| 24 | An Erbium-Doped Fiber Whispering-Gallery-Mode Microcavity Laser. IEEE Photonics Technology Letters, 2019, 31, 1650-1653. | 2.5 | 9 |
| 25 | State of the Art and Perspectives on Silicon Photonic Switches. Micromachines, 2019, 10, 51. | 2.9 | 50 |
| 26 | Ultrahigh Q Polymer Microring Resonators for Biosensing Applications. IEEE Photonics Journal, 2019, 11, 1-10. | 2.0 | 22 |
| 27 | High-Performance Vertical Interlayer Coupler for Multilayer Silicon Nitride-on-Silicon Photonic Platform. , 2019, , . | | 1 |
| 28 | A Compact Adiabatic Silicon Photonic Edge Coupler Based on Silicon Nitride/Silicon Trident Structure. , 2019, , . | | 0 |
| 29 | Polarization-insensitive Waveguide Crossings Based on SWGs-assisted MMI. , 2019, , . | | 0 |
| 30 | Optofluidic refractive index sensor based on asymmetric diffraction. Optics Express, 2019, 27, 17809. | 3.4 | 11 |
| 31 | Silicon Photonic Switch Subsystem With 900 Monolithically Integrated Calibration Photodiodes and 64-Fiber Package. Journal of Lightwave Technology, 2018, 36, 233-238. | 4.6 | 54 |
| 32 | Ultra Low Loss Waveguide Transitions for Reticle-Scale Silicon Nanophotonic Routing. IEEE Photonics Technology Letters, 2017, 29, 2099-2102. | 2.5 | 3 |
| 33 | Compact PSR Based on an Asymmetric Bi-level Lateral Taper in an Adiabatic Directional Coupler. Journal of Lightwave Technology, 2016, 34, 985-991. | 4.6 | 26 |
| 34 | Coupling Variation Induced Ultrasensitive Label-Free Biosensing by Using Single Mode Coupled Microcavity Laser. Journal of the American Chemical Society, 2009, 131, 16612-16613. | 13.7 | 46 |