# Yongyao Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4575165/publications.pdf

Version: 2024-02-01

| | | 1040056 | 940533 |
|---|---|---|---|
| 19 | 647 | 9 | 16 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 20 | 20 | 20 | 758 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Acoustic rainbow trapping. Scientific Reports, 2013, 3, . | 3.3 | 240 |
| 2 | Enhanced acoustic sensing through wave compression and pressure amplification in anisotropic metamaterials. Nature Communications, 2014, 5, 5247. | 12.8 | 158 |
| 3 | Effective surface plasmon polaritons on the metal wire with arrays of subwavelength grooves. Optics Express, 2006, 14, 13021. | 3.4 | 58 |
| 4 | Low cost, high performance white-light fiber-optic hydrophone system with a trackable working point. Optics Express, 2016, 24, 19008. | 3.4 | 38 |
| 5 | On-fiber plasmonic interferometer for multi-parameter sensing. Optics Express, 2015, 23, 10732. | 3.4 | 32 |
| 6 | Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. AIP Advances, 2012, 2, . | 1.3 | 30 |
| 7 | Solution of the fundamental space-filling mode of photonic crystal fibers: numerical method versus analytical approaches. Applied Physics B: Lasers and Optics, 2006, 85, 597-601. | 2.2 | 28 |
| 8 | Miniature Fiber Optic Acoustic Pressure Sensors With Air-Backed Graphene Diaphragms. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, . | 1.6 | 15 |
| 9 | Trapping and releasing light by mechanical implementation in metamaterial waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 272. | 1.5 | 11 |
| 10 | Characterization of wave physics in acoustic metamaterials using a fiber optic point detector. Applied Physics Letters, 2016, 108, . | 3.3 | 9 |
| 11 | Planar photonic crystal based multifunctional sensors. Applied Optics, 2017, 56, 1775. | 2.1 | 9 |
| 12 | Tunable out-of-plane slow light in resonance induced transparent grating waveguide structures. Applied Physics Letters, 2013, 103, 061109. | 3.3 | 7 |
| 13 | Low-Cost Fiber Optic Cantilever Accelerometer With a Spherical Tip Based on Gaussian Beam Focusing. IEEE Photonics Journal, 2021, 13, 1-6. | 2.0 | 4 |
| 14 | Bandgap properties of KagomÃ© photonic crystal fibers. Applied Physics B: Lasers and Optics, 2007, 86, 235-242. | 2.2 | 3 |
| 15 | Research on Ultrabroadband Acoustic Absorbers Based on Slow-wave Metamaterials. , 2021, , . | | 2 |
| 16 | An Improved Strain Sensor Based on Long-Period Fiber Grating With a Local Ellipse-Core Structure. IEEE Sensors Journal, 2022, 22, 11756-11762. | 4.7 | 2 |
| 17 | Application of effective index method to higher order modes of photonic crystal fibers. Microwave and Optical Technology Letters, 2007, 49, 567-570. | 1.4 | 1 |
| 18 | Planar photonic crystal based multifunctional sensors: publisherâ€™s note. Applied Optics, 2017, 56, 2397. | 2.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multi-parameter Sensing Platforms based on Plasmonic Structures and Planar Photonic Crystals. , 2017, , . | | 0 |