# Dewen Duan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9440383/publications.pdf

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| 18 | 1,270 | 567281 15 | 839539 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 1236 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Micro Fabry-Perot interferometers in silica fibers machined by femtosecond laser. Optics Express, 2007, 15, 14123. | 3.4 | 243 |
| 2 | In-line fiber Fabry-Perot refractive-index tip sensor based on endlessly photonic crystal fiber. Sensors and Actuators A: Physical, 2008, 148, 33-38. | 4.1 | 153 |
| 3 | Refractive index sensing based on Machâ€“Zehnder interferometer formed by three cascaded single-mode fiber tapers. Applied Optics, 2011, 50, 1548. | 2.1 | 143 |
| 4 | In-Line Fiber Optic Interferometric Sensors in Single-Mode Fibers. Sensors, 2012, 12, 10430-10449. | 3.8 | 128 |
| 5 | Microbubble based fiber-optic Fabryâ€“Perot interferometer formed by fusion splicing single-mode fibers for strain measurement. Applied Optics, 2012, 51, 1033. | 1.8 | 121 |
| 6 | Nitrogen-Vacancy color center in diamondâ€”emerging nanoscale applications in bioimaging and biosensing. Current Opinion in Chemical Biology, 2014, 20, 69-77. | 6.1 | 104 |
| 7 | In-line fiber-optic etalon formed by hollow-core photonic crystal fiber. Optics Letters, 2007, 32, 2662. | 3.3 | 100 |
| 8 | In-fiber Machâ€“Zehnder interferometer formed by large lateral offset fusion splicing for gases refractive index measurement with high sensitivity. Sensors and Actuators B: Chemical, 2011, 160, 1198-1202. | 7.8 | 85 |
| 9 | High-Temperature Annealing Behaviors of CO$_{2}$ Laser Pulse-Induced Long-Period Fiber Grating in a Photonic Crystal Fiber. Journal of Lightwave Technology, 2010, 28, 1530-1535. | 4.6 | 33 |
| 10 | Efficient nitrogen-vacancy centersâ€™ fluorescence excitation and collection from micrometer-sized diamond by a tapered optical fiber in endoscope-type configuration. Optics Express, 2019, 27, 6734. | 3.4 | 30 |
| 11 | In-Fiber Fabryâ€“Perot and Machâ€“Zehnder interferometers based on hollow optical fiber fabricated by arc fusion splicing with small lateral offsets. Optics Communications, 2011, 284, 5311-5314. | 2.1 | 27 |
| 12 | High-temperature measurement by using a PCF-based Fabryâ€“Perot interferometer. Optics and Lasers in Engineering, 2012, 50, 1391-1396. | 3.8 | 24 |
| 13 | In-line all-fibre Fabry-Pèrot interferometer high temperature sensor formed by large lateral offset splicing. Electronics Letters, 2011, 47, 401. | 1.0 | 21 |
| 14 | Nanocomposite polyacrylamide based open cavity fiber Fabryâ€“Perot humidity sensor. Applied Optics, 2012, 51, 7643. | 1.8 | 17 |
| 15 | Enhancing fluorescence excitation and collection from the nitrogen-vacancy center in diamond through a micro-concave mirror. Applied Physics Letters, 2018, 113, 041107. | 3.3 | 17 |
| 16 | Laser-induced heating in a high-density ensemble of nitrogen-vacancy centers in diamond and its effects on quantum sensing. Optics Letters, 2019, 44, 2851. | 3.3 | 13 |
| 17 | Tapered ultra-high numerical aperture optical fiber tip for nitrogen vacancy ensembles based endoscope in a fluidic environment. Applied Physics Letters, 2020, 116, . | 3.3 | 9 |
| 18 | Probing phase transitions in a soft matter system using a single spin quantum sensor. New Journal of Physics, 2019, 21, 103036. | 2.9 | 2 |