

# Dewen Duan

## List of Publications by Year in descending order

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

Version: 2024-02-01

18  
papers

1,270  
citations

567281

15  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1236  
citing authors

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