

Xuan-Quyên Dinh

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,582
citations

304368

22
h-index

315357

38
g-index

60
all docs

60
docs citations

60
times ranked

3530
citing authors

#	ARTICLE	IF	CITATIONS
1	A theoretical insight into the use of anti-reflective coatings for the upliftment of sensitivity of surface plasmon resonance sensors. <i>Optics Communications</i> , 2020, 458, 124748.	1.0	11
2	Augmenting sensitivity of surface plasmon resonance (SPR) sensors with the aid of anti-reflective coatings (ARCs). <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 38, 100760.	1.0	9
3	Bragg Grating Assisted Sagnac Interferometer in SiO ₂ -Al ₂ O ₃ -La ₂ O ₃ Polarization-Maintaining Fiber for Strain-Temperature Discrimination. <i>Sensors</i> , 2020, 20, 4772.	2.1	5
4	Hybrid plasmonic nano-emitters with controlled single quantum emitter positioning on the local excitation field. <i>Nature Communications</i> , 2020, 11, 3414.	5.8	33
5	High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. <i>Optics Letters</i> , 2020, 45, 1017.	1.7	9
6	Current Oscillations and Intermittent Emission Near an Electrode Interface in a Hybrid Organic-Inorganic Perovskite Single Crystal. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42838-42845.	4.0	6
7	Hybrid plasmonic nanosystem with controlled position of nanoemitters. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	9
8	Anti-resonant reflecting effect in large-core hollow-core photonic crystal fiber for temperature sensing. , 2019, , .		1
9	3D Photoluminescent Nanostructures Containing Quantum Dots Fabricated by Two-Photon Polymerization: Influence of Quantum Dots on the Spatial Resolution of Laser Writing. <i>Advanced Materials Technologies</i> , 2019, 4, 1800522.	3.0	35
10	Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. <i>Optics Express</i> , 2019, 27, 30629.	1.7	22
11	Ultra-sensitive chemical and biological analysis via specialty fibers with built-in microstructured optofluidic channels. <i>Lab on A Chip</i> , 2018, 18, 655-661.	3.1	52
12	Synthesis of Multifunctional Fe ₃ O ₄ @TESPA/Eu(NTA) ₃ Luminescent Magnetic Nanoparticle and Their Properties. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-4.	1.2	3
13	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. <i>Optics Express</i> , 2018, 26, 544.	1.7	76
14	Sensing and lasing applications of whispering gallery mode microresonators. <i>Opto-Electronic Advances</i> , 2018, 1, 18001501-18001510.	6.4	43
15	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. <i>Scientific Reports</i> , 2017, 7, 46633.	1.6	69
16	Two-Dimensional Transition Metal Dichalcogenide Enhanced Phase-Sensitive Plasmonic Biosensors: Theoretical Insight. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6282-6289.	1.5	101
17	Graphene-TMD-Graphene Hybrid Plasmonic Metasurface for Enhanced Biosensing: A Theoretical Analysis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700563.	0.8	13
18	Design of Fabry-Perot Refractometer based on a simplified hollow-core PCF with a CFBG pair. , 2017, , .		2

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19	Directional bending sensor based on spatially arrayed long period gratings in multicore fiber. , 2017, , .		0
20	Monolayer WS ₂ Enhanced High Sensitivity Plasmonic Biosensor based on Phase Modulation. , 2017, , .		2
21	In-line optofluidic refractive index sensing in a side-channel photonic crystal fiber. Optics Express, 2016, 24, 27674.	1.7	50
22	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	1.0	70
23	Sensitivity Enhancement of MoS ₂ Nanosheet based Surface Plasmon Resonance Biosensor. Procedia Engineering, 2016, 140, 134-139.	1.2	63
24	Sensitivity Enhancement of Transition Metal Dichalcogenides/Silicon Nanostructure-based Surface Plasmon Resonance Biosensor. Scientific Reports, 2016, 6, 28190.	1.6	299
25	Temperature- and strain-insensitive curvature sensor based on ring-core modes in dual-concentric-core fiber. Optics Letters, 2016, 41, 380.	1.7	26
26	Side-channel photonic crystal fiber for surface enhanced Raman scattering sensing. Sensors and Actuators B: Chemical, 2016, 223, 195-201.	4.0	58
27	In-line Optofluidic Sensor Based on a Long-Period Grating in a Side-Channel Photonic Crystal Fiber. , 2016, , .		0
28	Simultaneous Measurement of Torsion and Temperature Based on Helical Structure in Multicore Fiber. , 2016, , .		2
29	Highly Sensitive Strain Sensor Based on Helical Structure in Multicore Fiber. , 2016, , .		1
30	Curvature Sensor Based on Long-Period Grating in Dual Concentric Core Fiber. , 2015, , .		0
31	Coupling-length phase matching for efficient third-harmonic generation based on parallel-coupled waveguides. Optics Letters, 2015, 40, 894.	1.7	10
32	Design and Fabrication of Side-channel Photonic Crystal Fiber for Surface Enhanced Raman Scattering Applications. , 2015, , .		0
33	Full Bandwidth Measurement of Supercontinuum Spectral Phase Coherence in Long Pulse Regime. Fiber and Integrated Optics, 2015, 34, 66-75.	1.7	1
34	Graphene-MoS ₂ hybrid nanostructures enhanced surface plasmon resonance biosensors. Sensors and Actuators B: Chemical, 2015, 207, 801-810.	4.0	385
35	Highly sensitive SERS detection and quantification of sialic acid on single cell using photonic-crystal fiber with gold nanoparticles. Biosensors and Bioelectronics, 2015, 64, 227-233.	5.3	71
36	Investigation on the Impact of Hi-Bi Fiber Length on the Sensitivity of Sagnac Interferometer. IEEE Sensors Journal, 2014, 14, 1952-1956.	2.4	2

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37	Four-Wave Mixing and Bragg Scattering in Resonant Seed Modulation Instability in Optical Fiber. , 2014, , .		0
38	Optimizing Birefringence of Polarization-Maintaining Photonic Crystal Fiber. , 2014, , .		1
39	Sensitivity improved surface plasmon resonance sensor based on graphene and gold nanorods. , 2013, , .		0
40	Size dependence of Au NP-enhanced surface plasmon resonance based on differential phase measurement. Sensors and Actuators B: Chemical, 2013, 176, 1128-1133.	4.0	157
41	Simultaneous measurement of curvature and strain based on fiber Bragg grating in two-dimensional waveguide array fiber. Optics Letters, 2013, 38, 4070.	1.7	28
42	Optical twisting alert sensor based on PM-EDF short cavity DBR laser. , 2012, , .		0
43	Discrimination between refractive index and temperature by two cascaded cladding-mode type fiber sensors. , 2012, , .		0
44	Investigation of strain-induced effects on microwave signals from an PM-EDF based short cavity DBR laser. , 2012, , .		0
45	In-line Mach-Zehnder interferometer composed of microtaper and long-period grating in all-solid photonic bandgap fiber. Applied Physics Letters, 2012, 101, 141106.	1.5	28
46	Sagnac interferometer based temperature sensor by using selectively filled photonic crystal fiber. , 2012, , .		3
47	Investigation of Axial Strain Effects on Microwave Signals from a PM-EDF Short Cavity DBR Laser for Sensing Applications. IEEE Photonics Journal, 2012, 4, 1530-1535.	1.0	9
48	A Mach-Zehnder interferometer by combining a microtaper with a long period grating in an all solid photonic bandgap fiber and its temperature sensing characteristic. , 2012, , .		0
49	Temperature Sensor by Using Selectively Filled Photonic Crystal Fiber Sagnac Interferometer. IEEE Photonics Journal, 2012, 4, 1801-1808.	1.0	70
50	Design and fabrication of side-channel photonic crystal fiber. , 2012, , .		1
51	Synthesis of symmetrical hexagonal-shape PbO nanosheets using gold nanoparticles. Materials Letters, 2012, 67, 74-77.	1.3	17
52	Microfiber Sagnac Interferometer for sensing applications. Photonics Letters of Poland, 2012, 4, .	0.2	3
53	A Review on Functionalized Gold Nanoparticles for Biosensing Applications. Plasmonics, 2011, 6, 491-506.	1.8	649
54	Size effect of gold nanoparticles on optical microfiber refractive index sensors. , 2011, , .		3

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55	The quantum noise of guided wave acoustic Brillouin scattering with applications to continuous-variable quantum key distribution. <i>Journal of Modern Optics</i> , 2011, 58, 988-993.	0.6	1
56	Use of discrete modulation and a continuous wave local oscillator in a 24 km continuous variable quantum key distribution system. , 2010, , .		0
57	A 24 km fiber-based discretely signaled continuous variable quantum key distribution system. <i>Optics Express</i> , 2009, 17, 24244.	1.7	69
58	Intensity noise measurement of strongly attenuated laser diode pulses in the time domain. <i>EPJ Applied Physics</i> , 2006, 35, 117-121.	0.3	1
59	Simultaneous transmission of faint laser pulses and of synchronization signal at 1.55 μ m for secured optical transmissions. , 2005, , .		0
60	Measurement of photon distribution in attenuated diode laser pulses. , 2003, , .		3