Xuan-Quyen Dinh

List of Publications by Year
in descending order

60	2,582	304368	315357
papers	citations	22 h-index	38 g-index

60	60	60	3530
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Review on Functionalized Gold Nanoparticles for Biosensing Applications. Plasmonics, 2011, 6, 491-506.	1.8	649
2	Grapheneâ€“MoS2 hybrid nanostructures enhanced surface plasmon resonance biosensors. Sensors and Actuators B: Chemical, 2015, 207, 801-810.	4.0	385
3	Sensitivity Enhancement of Transition Metal Dichalcogenides/Silicon Nanostructure-based Surface Plasmon Resonance Biosensor. Scientific Reports, 2016, 6, 28190.	1.6	299
4	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
5	Two-Dimensional Transition Metal Dichalcogenide Enhanced Phase-Sensitive Plasmonic Biosensors: Theoretical Insight. Journal of Physical Chemistry C, 2017, 121, 6282-6289.	1.5	101
6	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	1.7	76
7	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
8	Temperature Sensor by Using Selectively Filled Photonic Crystal Fiber Sagnac Interferometer. IEEE Photonics Journal, 2012, 4, 1801-1808.	1.0	70
9	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	1.0	70
10	A 24 km fiber-based discretely signaled continuous variable quantum key distribution system. Optics Express, 2009, 17, 24244.	1.7	69
11	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	1.6	69
12	Sensitivity Enhancement of MoS2 Nanosheet based Surface Plasmon Resonance Biosensor. Procedia Engineering, 2016, 140, 134-139.	1.2	63
13	Side-channel photonic crystal fiber for surface enhanced Raman scattering sensing. Sensors and Actuators B: Chemical, 2016, 223, 195-201.	4.0	58
14	Ultra-sensitive chemical and biological analysisviaspecialty fibers with built-in microstructured optofluidic channels. Lab on A Chip, 2018, 18, 655-661.	3.1	52
15	In-line optofluidic refractive index sensing in a side-channel photonic crystal fiber. Optics Express, 2016, 24, 27674.	1.7	50
16	Sensing and lasing applications of whispering gallery mode microresonators. Opto-Electronic Advances, 2018, 1, 18001501-18001510.	6.4	43
17	3D Photoluminescent Nanostructures Containing Quantum Dots Fabricated by Twoâ€Photon Polymerization: Influence of Quantum Dots on the Spatial Resolution of Laser Writing. Advanced Materials Technologies, 2019, 4, 1800522.	3.0	35
18	Hybrid plasmonic nano-emitters with controlled single quantum emitter positioning on the local excitation field. Nature Communications, 2020, 11, 3414.	5.8	33

#	Article	IF	Citations
19	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
20	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
21	Temperature- and strain-insensitive curvature sensor based on ring-core modes in dual-concentric-core fiber. Optics Letters, 2016, 41, 380.	1.7	26
22	Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. Optics Express, 2019, 27, 30629.	1.7	22
23	Synthesis of symmetrical hexagonal-shape PbO nanosheets using gold nanoparticles. Materials Letters, 2012, 67, 74-77.	1.3	17
24	Grapheneâ€TMDCâ€Graphene Hybrid Plasmonic Metasurface for Enhanced Biosensing: A Theoretical Analysis. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700563.	0.8	13
25	A theoretical insight into the use of anti-reflective coatings for the upliftment of sensitivity of surface plasmon resonance sensors. Optics Communications, 2020, 458, 124748.	1.0	11
26	Coupling-length phase matching for efficient third-harmonic generation based on parallel-coupled waveguides. Optics Letters, 2015, 40, 894.	1.7	10
27	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
28	Hybrid plasmonic nanosystem with controlled position of nanoemitters. Applied Physics Letters, 2019, 114, .	1.5	9
29	Augmenting sensitivity of surface plasmon resonance (SPR) sensors with the aid of anti-reflective coatings (ARCs). Photonics and Nanostructures - Fundamentals and Applications, 2020, 38, 100760.	1.0	9
30	High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. Optics Letters, 2020, 45, 1017.	1.7	9
31	Current Oscillations and Intermittent Emission Near an Electrode Interface in a Hybrid Organicâ€“Inorganic Perovskite Single Crystal. ACS Applied Materials & Interfaces, 2019, 11, 42838-42845.	4.0	6
32	Bragg Grating Assisted Sagnac Interferometer in SiO2-Al2O3-La2O3 Polarization-Maintaining Fiber for Strainâ€“Temperature Discrimination. Sensors, 2020, 20, 4772.	2.1	5
33	Measurement of photon distribution in attenuated diode laser pulses. , 2003, , .		3
34	Size effect of gold nanoparticles on optical microfiber refractive index sensors. , 2011, , .		3
35	Sagnac interferometer based temperature sensor by using selectively filled photonic crystal fiber. , 2012, , .		3
36	Synthesis of Multifunctional Fe3O4@TESPA/Eu(NTA)3 Luminescentâ€“Magnetic Nanoparticle and Their Properties. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	3

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37	Microfiber Sagnac Interferometer for sensing applications. Photonics Letters of Poland, 2012, 4, .	0.2	3
38	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
39	Design of Fabry-Perot Refractometer based on a simplified hollow-core PCF with a CFBG pair. , 2017, , .		2
40	Monolayer WS2 Enhanced High Sensitivity Plasmonic Biosensor based on Phase Modulation. , 2017, , .		2
41	Simultaneous Measurement of Torsion and Temperature Based on Helical Structure in Multicore Fiber. , 2016, , .		2
42	Intensity noise measurement of strongly attenuated laser diode pulses in the time domain. EPJ Applied Physics, 2006, 35, 117-121.	0.3	1
43	The quantum noise of guided wave acoustic Brillouin scattering with applications to continuous-variable quantum key distribution. Journal of Modern Optics, 2011, 58, 988-993.	0.6	1
44	Design and fabrication of side-channel photonic crystal fiber. , 2012, , .		1
45	Full Bandwidth Measurement of Supercontinuum Spectral Phase Coherence in Long Pulse Regime. Fiber and Integrated Optics, 2015, 34, 66-75.	1.7	1
46	Anti-resonant reflecting effect in large-core hollow-core photonic crystal fiber for temperature sensing. , 2019, , .		1
47	Optimizing Birefringence of Polarization-Maintaining Photonic Crystal Fiber. , 2014, , .		1
48	Highly Sensitive Strain Sensor Based on Helical Structure in Multicore Fiber. , 2016, , .		1
49	Simultaneous transmission of faint laser pulses and of synchronization signal at 1.55 Î¼m for secured optical transmissions. , 2005, , .		0
50	Use of discrete modulation and a continuous wave local oscillator in a 24 km continuous variable quantum key distribution system. , 2010, , .		0
51	Optical twisting alert sensor based on PM-EDF short cavity DBR laser. , 2012, , .		0
52	Discrimination between refractive index and temperature by two cascaded cladding-mode type fiber sensors. , 2012, , .		0
53	Investigation of strain-induced effects on microwave signals from an PM-EDF based short cavity DBR laser. , 2012, , .		0
54	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

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55	Sensitivity improved surface plasmon resonance sensor based on graphene and gold nanorods. , 2013, , .		0
56	Four-Wave Mixing and Bragg Scattering in Resonant Seed Modulation Instability in Optical Fiber. , 2014, , .		0
57	Curvature Sensor Based on Long-Period Grating in Dual Concentric Core Fiber. , 2015, , .		0
58	Design and Fabrication of Side-channel Photonic Crystal Fiber for Surface Enhanced Raman Scattering Applications. , 2015, , .		0
59	Directional bending sensor based on spatially arrayed long period gratings in multicore fiber. , 2017, , .		0
60	In-line Optofluidic Sensor Based on a Long-Period Grating in a Side-Channel Photonic Crystal Fiber. , 2016, , .		0