

Xuewen Shu

List of Publications by Year in descending order

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77
papers

2,959
citations

236612

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77
all docs

77
docs citations

77
times ranked

2227
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Power Random Raman Fiber Laser With an Ultrashort Random Fiber Grating. <i>Journal of Lightwave Technology</i> , 2022, 40, 2535-2540.	2.7	5
2	Single-Frequency Random Distributed Bragg Reflector Fiber Laser. <i>Journal of Lightwave Technology</i> , 2022, 40, 4385-4390.	2.7	4
3	Curvature sensor based on femtosecond laser-inscribed straight waveguide in FMF. <i>Optics and Laser Technology</i> , 2022, 152, 108154.	2.2	6
4	Microsecond-resolved smartphone time-gated luminescence spectroscopy. <i>Optics Letters</i> , 2022, 47, 3427.	1.7	3
5	Random fiber laser based on a partial-reflection random fiber grating for high temperature sensing. <i>Optics Letters</i> , 2021, 46, 957.	1.7	24
6	In-Fiber Hybrid Cladding Waveguide by Femtosecond Inscription for Two-Dimensional Vector Bend Sensing. <i>Journal of Lightwave Technology</i> , 2021, 39, 2194-2204.	2.7	10
7	Spectral Evolution in Fiber Lasers With Soliton Self-Frequency Shift Effect. <i>IEEE Photonics Journal</i> , 2021, 13, 1-11.	1.0	1
8	Compact Fiber Curvature and Temperature Sensor Inscribed by Femtosecond Laser Through the Coating. <i>Journal of Lightwave Technology</i> , 2021, 39, 3981-3990.	2.7	22
9	A miniaturized apparatus based on a smartphone for microsecond-resolved luminescence lifetime imaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130086.	4.0	11
10	Highly Efficient Triplet-Triplet Annihilation Upconversion Sensitized by a Thermally Activated Delayed Fluorescence Molecule in Optical Microcavities. <i>Advanced Functional Materials</i> , 2021, 31, 2104044.	7.8	11
11	Optical All-Pass Filter Realized by Self-Compensation of Loss. <i>ACS Photonics</i> , 2021, 8, 3156-3161.	3.2	9
12	Spectrally resolved luminescence lifetime detection for measuring the energy splitting of the long-lived excited states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117434.	2.0	6
13	A Chaotic State in the Transition From Single Toward Multiple Pulse for Soliton Fiber Lasers. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	1.0	2
14	Auto-Phase-Locked Time-Resolved Luminescence Detection: Principles, Applications, and Prospects. <i>Frontiers in Chemistry</i> , 2020, 8, 562.	1.8	6
15	High-Performance Bending Sensor Based on Femtosecond Laser-Inscribed in-Fiber Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , 2020, 38, 6371-6378.	2.7	20
16	Alternation of the Mode Synchronization and Desynchronization in Ultrafast Fiber Laser. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900219.	4.4	9
17	Auto-phase-locked Time-gated Luminescence Detection System for Spectrally Resolved Luminescence Lifetime Detection. , 2020, , .		0
18	Fiber Optic Sensor Based on Vernier Microwave Frequency Comb. <i>Journal of Lightwave Technology</i> , 2019, 37, 3503-3509.	2.7	24

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19	Temperature- and strain- insensitive transverse load sensing based on optical fiber reflective Lyot filter. <i>Applied Physics Express</i> , 2019, 12, 076501.	1.1	8
20	Global luminescence lifetime imaging of thermally activated delayed fluorescence on an auto-phase-locked time-gated microscope. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 177-182.	4.0	12
21	Stable and low-threshold random fiber laser via Anderson localization. <i>Optics Express</i> , 2019, 27, 12987.	1.7	26
22	Auto-phase-locked time-gated luminescence detection for background-free upconversion spectra measurement and true-color biological imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 289-294.	4.0	23
23	Proposal of a Phase-Shift Fiber Bragg Grating as an Optical Differentiator and an Optical Integrator Simultaneously. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	1.0	8
24	Transformation From Conventional Dissipative Solitons to Amplifier Similaritons in All-Normal Dispersion Mode-Locked Fiber Lasers. <i>IEEE Photonics Journal</i> , 2018, 10, 1-11.	1.0	3
25	Cell-Penetrating Peptides Transport Noncovalently Linked Thermally Activated Delayed Fluorescence Nanoparticles for Time-Resolved Luminescence Imaging. <i>Journal of the American Chemical Society</i> , 2018, 140, 17484-17491.	6.6	132
26	Thin-Core Fiber Taper-Based Multi-Mode Interferometer for Refractive Index Sensing. <i>IEEE Sensors Journal</i> , 2018, 18, 8747-8754.	2.4	11
27	High-order soliton evolution and pulse breaking-recovery in stretched ultrafast fiber lasers. <i>Optics Express</i> , 2018, 26, 11685.	1.7	5
28	Dynamics of soliton explosions in ultrafast fiber lasers at normal-dispersion. <i>Optics Express</i> , 2018, 26, 5564.	1.7	25
29	Spatio-spectral dynamics of the pulsating dissipative solitons in a normal-dispersion fiber laser. <i>Optics Letters</i> , 2018, 43, 3602.	1.7	73
30	Auto-phase-locked measurement of time-gated luminescence spectra with a microsecond delay. <i>Optics Letters</i> , 2018, 43, 2575.	1.7	6
31	Compact assembly-free vector bend sensor based on all-in-fiber-core Mach-Zehnder interferometer. <i>Optics Letters</i> , 2018, 43, 531.	1.7	39
32	Miniature All-Fiber High Temperature Sensor Based on Michelson Interferometer Formed With a Novel Core-Mismatching Fiber Joint. <i>IEEE Sensors Journal</i> , 2017, 17, 3341-3345.	2.4	24
33	Ultra-compact all-in-fiber-core Mach-Zehnder interferometer. <i>Optics Letters</i> , 2017, 42, 4059.	1.7	38
34	Sensitivity enhanced fiber sensor based on a fiber ring microwave photonic filter with the Vernier effect. <i>Optics Express</i> , 2017, 25, 21559.	1.7	47
35	Molecular and vectorial properties of the vector soliton molecules in anomalous-dispersion fiber lasers. <i>Optics Express</i> , 2017, 25, 28035.	1.7	13
36	Pulse dynamics in all-normal dispersion ultrafast fiber lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 553.	0.9	23

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37	Small-period long-period fiber grating with improved refractive index sensitivity and dual-parameter sensing ability. Optics Letters, 2017, 42, 199.	1.7	54
38	Ultra-sensitive refractive index sensor based on an extremely simple femtosecond-laser-induced structure. Optics Letters, 2017, 42, 1157.	1.7	44
39	Ultra-compact strain- and temperature-insensitive torsion sensor based on a line-by-line inscribed phase-shifted FBG. Optics Express, 2016, 24, 17670.	1.7	79
40	Narrow-band generation in random distributed feedback fiber laser. Optics Express, 2013, 21, 16466.	1.7	111
41	Implementation and Characterization of Liquid-Level Sensor Based on a Long-Period Fiber Grating MachêZehnder Interferometer. IEEE Sensors Journal, 2011, 11, 2878-2882.	2.4	72
42	Optically controlled tunable dispersion compensators based on pumped fiber gratings. Optics Letters, 2011, 36, 2937.	1.7	5
43	Optical turbulence and spectral condensate in fibre lasers. , 2011, , .		1
44	Transversal-Load Sensor by Using Local Pressure on a Chirped Fiber Bragg Grating. IEEE Sensors Journal, 2010, 10, 1140-1141.	2.4	11
45	Transversal Loading Sensor Based on Tunable Beat Frequency of a Dual-Wavelength Fiber Laser. IEEE Photonics Technology Letters, 2009, 21, 987-989.	1.3	31
46	High-Frequency Fiber Bragg Grating Sensing Interrogation System Using Sagnac-Loop-Based Microwave Photonic Filtering. IEEE Photonics Technology Letters, 2009, 21, 519-521.	1.3	32
47	Apodisation of photo-induced waveguide gratings using double-exposure with complementary duty cycles. Optics Express, 2008, 16, 2221.	1.7	4
48	Novel complex gratings with third-order group-delay variations for tunable pure dispersion slope compensation. Optics Express, 2008, 16, 12090.	1.7	6
49	Semiconductor based demultiplexer and wavelength conversion at 320 Gbits/sec. , 2007, , .		1
50	Single-reflection-band fiber Bragg gratings with channelized linear and nonlinear dispersion and their applications. , 2007, , .		0
51	Virtual Gires-Tournois etalons realized with phase-modulated wideband chirped fiber gratings. Optics Letters, 2007, 32, 3546.	1.7	9
52	Error-Free 320-Gb/s All-Optical Wavelength Conversion Using a Single Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2007, 25, 103-108.	2.7	196
53	Design and Fabrication of Fiber Bragg Gratings With V-Shaped Dispersion Profile. Journal of Lightwave Technology, 2007, 25, 606-611.	2.7	8
54	Apodisation of photo-induced waveguide gratings with double-exposure of reversely varied duty cycles. , 2007, , .		0

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55	Design and Fabrication of Fibre Bragg Gratings with V-shaped Dispersion Profile for Multi-Channel Signal Processing. , 2006, , .		1
56	Dual-direction Gires-Tournois etalon based on a single complex fiber Bragg grating. Optics Letters, 2006, 31, 2263.	1.7	3
57	Virtual distributed Gires-Tournois etalon based on phase-modulated wideband chirped fiber grating. , 2006, , .		1
58	Optically tunable chromatic dispersion controller with coupled-cavity etalon structure. Optics Letters, 2005, 30, 1440.	1.7	4
59	Novel multipassband optical filter using all-fiber Michelson-Gires-Tournois structure. IEEE Photonics Technology Letters, 2005, 17, 384-386.	1.3	17
60	Use of dual-grating sensors formed by different types of fiber Bragg gratings for simultaneous temperature and strain measurements. Applied Optics, 2004, 43, 2006.	2.1	29
61	Tailored Gires-Tournois etalons as tunable dispersion slope compensators. Optics Letters, 2004, 29, 1013.	1.7	12
62	Highly sensitive transverse load sensing with reversible sampled fiber Bragg gratings. Applied Physics Letters, 2003, 83, 3003-3005.	1.5	56
63	Supermode-noise suppression using a nonlinear Fabry-Pérot filter in a harmonically mode-locked fiber ring laser. Applied Physics Letters, 2002, 81, 4520-4522.	1.5	9
64	Dependence of temperature and strain coefficients on fiber grating type and its application to simultaneous temperature and strain measurement. Optics Letters, 2002, 27, 701.	1.7	125
65	Sensitivity characteristics of long-period fiber gratings. Journal of Lightwave Technology, 2002, 20, 255-266.	2.7	753
66	Fabrication and characterisation of ultra-long-period fibre gratings. Optics Communications, 2002, 203, 277-281.	1.0	41
67	High-temperature sensitivity of long-period gratings in B-Ge codoped fiber. IEEE Photonics Technology Letters, 2001, 13, 818-820.	1.3	98
68	Sampled fiber Bragg grating for simultaneous refractive-index and temperature measurement. Optics Letters, 2001, 26, 774.	1.7	186
69	Thermally tunable optical fiber loss filter with wide tuning range. , 2001, , .		0
70	Fiber grating Sagnac loop and its multiwavelength-laser application. IEEE Photonics Technology Letters, 2000, 12, 980-982.	1.3	79
71	Dual resonant peaks of LP015 cladding mode in long-period gratings. Electronics Letters, 1999, 35, 649.	0.5	48
72	Highly sensitive chemical sensor based on the measurement of the separation of dual resonant peaks in a 100- μ m-period fiber grating. Optics Communications, 1999, 171, 65-69.	1.0	84

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73	High sensitivity of dual resonant peaks of long-period fibre grating to surrounding refractive index changes. Electronics Letters, 1999, 35, 1580.	0.5	59
74	Ultra-long-period fiber gratings. , 0, , .		0
75	High sensitivity sensors utilising characteristics of dispersion-turning-point of long-period gratings in B/Ge co-doped fibre. , 0, , .		0
76	A novel sensor interrogation technique using chirped fiber grating based Sagnac loop. , 0, , .		0
77	All-fiber michelson-gires-tournois interferometer as multi-passband filter. , 0, , .		1