

Walter Margulis

List of Publications by Year in descending order

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64
papers

1,011
citations

430874

18
h-index

454955

30
g-index

66
all docs

66
docs citations

66
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrooptic control of the modal distribution in a silicate fiber. <i>Optics Express</i> , 2022, 30, 12474.	3.4	0
2	A Lab-in-a-Fiber optofluidic device using droplet microfluidics and laser-induced fluorescence for virus detection. <i>Scientific Reports</i> , 2022, 12, 3539.	3.3	20
3	Characterization of the microstructures of specialty optical fibers for electric-field sensing by propagation-based x-ray phase-contrast microtomography. <i>Measurement Science and Technology</i> , 2021, 32, 065401.	2.6	0
4	Evaluation of Pearson correlation coefficient and Parisi parameter of replica symmetry breaking in a hybrid electronically addressable random fiber laser. <i>Optics Express</i> , 2021, 29, 24422.	3.4	10
5	Intracavity interrogation of an array of fiber Bragg gratings. <i>Optics Express</i> , 2021, 29, 111.	3.4	7
6	C-cavity fiber laser employing a chirped fiber Bragg grating for electrically gated wavelength tuning. <i>Optics Express</i> , 2020, 28, 9208.	3.4	6
7	Hybrid electronically addressable random fiber laser. <i>Optics Express</i> , 2020, 28, 23388.	3.4	12
8	The C-cavity, a highly versatile and simple laser design. <i>EPJ Web of Conferences</i> , 2020, 243, 11001.	0.3	0
9	Hermetic Carbon Coatings for Electro-Thermal All-Fiber Phase Modulators. <i>Journal of Lightwave Technology</i> , 2019, 37, 4567-4572.	4.6	1
10	Plasmonics for the Characterization of Metal Organic Films and Nanoparticles. , 2019, , 223-259.		1
11	Fiber-based distributed bolometry. <i>Optics Express</i> , 2019, 27, 4317.	3.4	14
12	Continuously tunable, narrow-linewidth laser based on a semiconductor optical amplifier and a linearly chirped fiber Bragg grating. <i>Optics Express</i> , 2019, 27, 14213.	3.4	20
13	Linear electro-optical effect in silica fibers poled with ultraviolet lamp. <i>Optics Express</i> , 2019, 27, 14893.	3.4	9
14	Integration of optoelectronics into fibres enhances textiles. <i>Nature</i> , 2018, 560, 170-171.	27.8	0
15	Digital electric field induced switching of plasmonic nanorods using an electro-optic fluid fiber. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	10
16	Microsecond switching of plasmonic nanorods in an all-fiber optofluidic component. <i>Optica</i> , 2017, 4, 864.	9.3	20
17	Real-time distributed fiber microphone based on phase-OTDR. <i>Optics Express</i> , 2016, 24, 29597.	3.4	23
18	All-Fiber Nanosecond Gating for Time-Resolved Spectral Analysis. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 829-832.	2.5	2

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19	The Effect of the Electrode Curvature on the Field in Internal Electrode Fibers. IEEE Photonics Technology Letters, 2015, 27, 2131-2133.	2.5	5
20	All-fiber high repetition rate microfluidic dye laser. Optica, 2015, 2, 186.	9.3	41
21	Optical creation and erasure of the linear electrooptical effect in silica fiber. Optics Express, 2015, 23, 18060.	3.4	12
22	Fabrication and Optical Characterization of Silica Optical Fibers Containing Gold Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 370-375.	8.0	14
23	Pockels fibers by optical poling. , 2015, , .		0
24	Stimulated Raman-Kerr scattering in an integrated nonlinear optofluidic fiber arrangement. Optics Letters, 2014, 39, 5407.	3.3	13
25	Study of thermally poled fibers with a two-dimensional model. Optics Express, 2014, 22, 17700.	3.4	33
26	A fiber optic system for detection and collection of micrometer-size particles. Optics Express, 2014, 22, 21480.	3.4	11
27	All-Fiber Optofluidic Component to Combine Light and Fluid. IEEE Photonics Technology Letters, 2014, 26, 1031-1033.	2.5	12
28	Stimulated Raman-Kerr scattering in an integrated nonlinear optofluidic fiber arrangement. , 2014, , .		0
29	Visible light guidance in silica capillaries by antiresonant reflection. Optics Express, 2013, 21, 29217.	3.4	27
30	Temperature characteristics of the birefringence properties of filled side-hole fibers. Applied Optics, 2013, 52, 5208.	1.8	9
31	Fully Spliced Optofluidic Fiber Arrangement. , 2013, , .		1
32	All-fiber Kerr cell. Optics Letters, 2012, 37, 3288.	3.3	14
33	Soliton generation from an actively mode-locked fiber laser incorporating an electro-optic fiber modulator. Optics Express, 2012, 20, 2905.	3.4	19
34	Increased sensitivity in fiber-based spectroscopy using carbon-coated fiber. Optics Express, 2012, 20, 28049.	3.4	9
35	Raman probes based on optically-poled double-clad fiber and coupler. Optics Express, 2012, 20, 28563.	3.4	6
36	Pulse selection at 1 MHz with electrooptic fiber switch. Optics Express, 2012, 20, 9465.	3.4	10

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37	Switching and dynamic wavelength conversion in a fiber grating cavity. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 155.	2.1	6
38	Nanosecond monolithic Mach-Zehnder fiber switch. Optics Express, 2012, 20, 29309.	3.4	1
39	A shear-displacement sensor based on a ferrofluidic defected microstructured optical fibre Bragg grating. , 2012, , .		1
40	Microstructured optical fibre Bragg grating modulator employing an infiltrated ferrofluid. , 2011, , .		1
41	High-speed electrical switching in optical fibers [Invited]. Applied Optics, 2011, 50, E65.	2.1	14
42	Phase-shifted Bragg microstructured optical fiber gratings utilizing infiltrated ferrofluids. Optics Letters, 2011, 36, 2548.	3.3	58
43	Monolithic Interferometers Using Gemini Fiber. IEEE Photonics Technology Letters, 2011, 23, 1001-1003.	2.5	3
44	Electrostatic trick might affect human body. Physics Today, 2010, 63, 10-10.	0.3	0
45	Experimental characterization of a planar transmissionâ€”line transformer in multilayered high dielectric constant film structure. Microwave and Optical Technology Letters, 2010, 52, 1337-1340.	1.4	1
46	Spectral tuning of Microstructured Optical Fibre Bragg gratings utilizing ferrofluids. , 2010, , .		0
47	All-fiber single-pulse selection and nanosecond gating. Optics Letters, 2009, 34, 1024.	3.3	7
48	High-Speed Fiber Switches. AIP Conference Proceedings, 2008, , .	0.4	0
49	All-fiber polarization switch. Optics Letters, 2007, 32, 614.	3.3	33
50	A CPW linear resonator method for the microwave characterization of high dielectric constant films. Microwave and Optical Technology Letters, 2007, 49, 521-524.	1.4	6
51	Time evolution of the second-order nonlinear distribution of poled Infrasil samples during annealing experiments. Optics Express, 2006, 14, 12984.	3.4	10
52	Transmission-line transformers in multilayered high-dielectric-constant thin-film structures. Microwave and Optical Technology Letters, 2005, 47, 290-293.	1.4	3
53	Time evolution of frozen-in field during poling of fiber with alloy electrodes. Optics Express, 2005, 13, 3438.	3.4	15
54	Wide wedge-shaped depletion region in thermally poled fiber with alloy electrodes. Optics Express, 2004, 12, 6093.	3.4	34

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55	Widely tunable fiber-coupled single-frequency Er-Yb:Glass laser. Applied Optics, 2003, 42, 4327.	2.1	10
56	Grating formation in pure silica-core fibers. Optics Letters, 2002, 27, 809.	3.3	73
57	Grating formation in pure silica fibers. , 2001, , BThC9.		0
58	Large increase in photosensitivity through massive hydroxyl formation. Optics Letters, 2000, 25, 302.	3.3	52
59	Phase measurement in frequency-doubling fibers. Optics Letters, 1989, 14, 700.	3.3	40
60	Investigations of the preparation process for efficient second-harmonic generation in optical fibers. Applied Physics Letters, 1988, 52, 1942-1944.	3.3	38
61	Experimental studies on efficient frequency doubling in glass optical fibers. Optics Letters, 1987, 12, 57.	3.3	149
62	Four-photon fiber laser. Optics Letters, 1987, 12, 519.	3.3	24
63	Active mode locking of a XeCl laser. Applied Physics Letters, 1981, 39, 129-131.	3.3	38
64	Ferrofluid-infiltrated optical fibers for shear-sensing smart pads. SPIE Newsroom, 0, , .	0.1	3