

Shaif-ul Alam

List of Publications by Year in descending order

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103
papers

3,365
citations

126907

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144013

57
g-index

103
all docs

103
docs citations

103
times ranked

1940
citing authors

#	ARTICLE	IF	CITATIONS
1	Thulium-doped fiber amplifier for optical communications at 2 μm . Optics Express, 2013, 21, 9289.	3.4	266
2	First demonstration and detailed characterization of a multimode amplifier for space division multiplexed transmission systems. Optics Express, 2011, 19, B952.	3.4	174
3	Diode-pumped wideband thulium-doped fiber amplifiers for optical communications in the 1800 \AA –2050 nm window. Optics Express, 2013, 21, 26450.	3.4	165
4	737 Tb/s (96 x 3 x 256-Gb/s) mode-division-multiplexed DP-16QAM transmission with inline MM-EDFA. Optics Express, 2012, 20, B428.	3.4	156
5	High-speed silicon modulators for the 2 μm wavelength band. Optica, 2018, 5, 1055.	9.3	119
6	High power pulsed fiber MOPA system incorporating electro-optic modulator based adaptive pulse shaping. Optics Express, 2009, 17, 20927.	3.4	117
7	Picosecond fiber MOPA pumped supercontinuum source with 39 W output power. Optics Express, 2010, 18, 5426.	3.4	113
8	Demonstration of amplified data transmission at 2 μm in a low-loss wide bandwidth hollow core photonic bandgap fiber. Optics Express, 2013, 21, 28559.	3.4	112
9	100 Gbit/s WDM transmission at 2 μm : transmission studies in both low-loss hollow core photonic bandgap fiber and solid core fiber. Optics Express, 2015, 23, 4946.	3.4	111
10	Cladding pumped few-mode EDFA for mode division multiplexed transmission. Optics Express, 2014, 22, 29008.	3.4	103
11	Accurate modal gain control in a multimode erbium doped fiber amplifier incorporating ring doping and a simple LP ₀₁ pump configuration. Optics Express, 2012, 20, 20835.	3.4	91
12	Mid-infrared ZBLAN fiber supercontinuum source using picosecond diode-pumping at 2 μm . Optics Express, 2013, 21, 24281.	3.4	83
13	All-fiber, ultra-wideband tunable laser at 2 μm . Optics Letters, 2013, 38, 4739.	3.3	80
14	Reconfigurable Modal Gain Control of a Few-Mode EDFA Supporting Six Spatial Modes. IEEE Photonics Technology Letters, 2014, 26, 1100-1103.	2.5	74
15	High-Capacity Directly Modulated Optical Transmitter for 2 μm Spectral Region. Journal of Lightwave Technology, 2015, 33, 1373-1379.	4.6	65
16	8- and 16-channel all-fiber DFB laser WDM transmitters with integrated pump redundancy. IEEE Photonics Technology Letters, 1999, 11, 1114-1116.	2.5	62
17	Polarisation maintaining 100W Yb-fiber μMOPA producing μJ pulses tunable in μs duration from 1 to 21 ps. Optics Express, 2010, 18, 14385.	3.4	62
18	100 μW peak power picosecond thulium-doped fiber amplifier system seeded by a gain-switched diode laser at 2 μm . Optics Letters, 2013, 38, 1615.	3.3	60

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19	Three mode Er ³⁺ ring-doped fiber amplifier for mode-division multiplexed transmission. Optics Express, 2013, 21, 10383.	3.4	56
20	Dual mode fused optical fiber couplers suitable for mode division multiplexed transmission. Optics Express, 2013, 21, 24326.	3.4	55
21	Amplification of 12 OAM Modes in an air-core erbium doped fiber. Optics Express, 2015, 23, 28341.	3.4	53
22	Optical Orbital Angular Momentum Amplifier Based on an Air-Hole Erbium-Doped Fiber. Journal of Lightwave Technology, 2017, 35, 430-436.	4.6	53
23	Characterization of Mode Coupling in Few-Mode FBG With Selective Mode Excitation. IEEE Photonics Technology Letters, 2015, 27, 1713-1716.	2.5	49
24	Multi-watts narrow-linewidth all fiber Yb-doped laser operating at 1179 nm. Optics Express, 2010, 18, 5920.	3.4	47
25	Highly efficient Raman distributed feedback fibre lasers. Optics Express, 2012, 20, 5082.	3.4	45
26	Minimizing differential modal gain in cladding-pumped EDFAs supporting four and six mode groups. Optics Express, 2014, 22, 21499.	3.4	44
27	Dense WDM transmission at 200nm enabled by an arrayed waveguide grating. Optics Letters, 2015, 40, 3308.		42
28	Compact, high-pulse-energy, picosecond optical parametric oscillator. Optics Letters, 2010, 35, 3580.	3.3	38
29	High gain holmium-doped fibre amplifiers. Optics Express, 2016, 24, 13946.	3.4	38
30	106W, picosecond Yb-doped fiber MOPA system with a radially polarized output beam. Optics Letters, 2018, 43, 4957.	3.3	38
31	High-energy, in-band pumped erbium doped fiber amplifiers. Optics Express, 2012, 20, 18803.	3.4	37
32	200 W Diffraction limited, single-polarization, all-fiber picosecond MOPA. Optics Express, 2013, 21, 25883.	3.4	37
33	Sub-watt threshold, kilohertz-linewidth Raman distributed-feedback fiber laser. Optics Letters, 2012, 37, 1544.	3.3	33
34	Large aperture PPMgLN based high-power optical parametric oscillator at 38 μm pumped by a nanosecond linearly polarized fiber MOPA. Optics Express, 2012, 20, 15008.	3.4	33
35	High-power, high repetition-rate, green-pumped, picosecond LBO optical parametric oscillator. Optics Express, 2012, 20, 7008.	3.4	32
36	Optimizing the pumping configuration for the power scaling of in-band pumped erbium doped fiber amplifiers. Optics Express, 2012, 20, 13886.	3.4	31

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37	40 Gb/s WDM Transmission Over 1.15-km HC-PBGF Using an InP-Based Mach-Zehnder Modulator at 2 $\hat{1}$ / ₄ m. Journal of Lightwave Technology, 2016, 34, 1706-1711.	4.6	30
38	High-average-power picosecond mid-infrared OP-GaAs OPO. Optics Express, 2020, 28, 5741.	3.4	30
39	Supercontinuum Generation With GHz Repetition Rate Femtosecond-Pulse Fiber-Amplified VECSELs. IEEE Photonics Technology Letters, 2013, 25, 464-467.	2.5	29
40	Fiber-laser-pumped, high-energy, mid-IR, picosecond optical parametric oscillator with a high-harmonic cavity. Optics Letters, 2015, 40, 3288.	3.3	27
41	PPMgLN-Based High-Power Optical Parametric Oscillator Pumped by Yb $\hat{3}$ / _m $\hat{+}$ Doped Fiber Amplifier Incorporates Active Pulse Shaping. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 385-392.	2.9	26
42	High-power, variable repetition rate, picosecond optical parametric oscillator pumped by an amplified gain-switched diode. Optics Express, 2010, 18, 7602.	3.4	26
43	Field demonstration of mode-division multiplexing upgrade scenarios on commercial networks. Optics Express, 2013, 21, 31036.	3.4	26
44	High-energy, near- and mid-IR picosecond pulses generated by a fiber-MOPA-pumped optical parametric generator and amplifier. Optics Express, 2015, 23, 12613.	3.4	26
45	Compact, high-pulse-energy, high-power, picosecond master oscillator power amplifier. Optics Express, 2014, 22, 21938.	3.4	23
46	Green-pumped, picosecond MgO:PPLN optical parametric oscillator. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 144.	2.1	22
47	High-energy diode-seeded nanosecond 2 $\hat{\%}$ $\hat{\%}$ $\hat{1}$ / ₄ m fiber MOPA systems incorporating active pulse shaping. Optics Letters, 2014, 39, 1569.	3.3	22
48	Design of Four-Mode Erbium Doped Fiber Amplifier with Low Differential Modal Gain for Modal Division Multiplexed Transmissions. , 2013, , .		21
49	1.06 $\hat{\mu}$ m Picosecond Pulsed, Normal Dispersion Pumping for Generating Efficient Broadband Infrared Supercontinuum in Meter-Length Single-Mode Tellurite Holey Fiber With High Raman Gain Coefficient. Journal of Lightwave Technology, 2011, 29, 3461-3469.	4.6	20
50	Optical chopper-based re-circulating loop for few-mode fiber transmission. Optics Letters, 2014, 39, 1181.	3.3	18
51	Fiber-DFB laser array pumped with a single 1-W CW Yb-fiber laser. IEEE Photonics Technology Letters, 2003, 15, 655-657.	2.5	17
52	56-W Frequency-Doubled Source at 530 nm Pumped by a Single-Mode, Single-Polarization, Picosecond, Yb $\hat{3}$ / ₊ Doped Fiber MOPA. IEEE Photonics Technology Letters, 2010, 22, 893-895.	2.5	17
53	Excitation of individual Raman Stokes lines in the visible regime using rectangular-shaped nanosecond optical pulses at 530 nm. Optics Letters, 2010, 35, 2433.	3.3	17
54	The Multippeak Phenomena and Nonlinear Effects in \hat{Q} -Switched Fiber Lasers. IEEE Photonics Technology Letters, 2011, 23, 1763-1765.	2.5	14

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55	Multicore and multimode optical amplifiers for space division multiplexing. , 2020, , 301-333.		13
56	Temporally and spatially shaped fully-fiberized ytterbium-doped pulsed MOPA. Laser Physics Letters, 2011, 8, 747-753.	1.4	11
57	Few-mode multi-element fiber amplifier for mode division multiplexing. Optics Express, 2014, 22, 29031.	3.4	11
58	Vector Mode effects in Few Moded Erbium Doped Fiber Amplifiers. , 2013, , .		10
59	Introduction to the Issue on Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 5-7.	2.9	10
60	Selective excitation of multiple Raman Stokes wavelengths (green-yellow-red) using shaped multi-step pulses from an all-fiber PM MOPA. Optics Express, 2011, 19, 2085.	3.4	9
61	First demonstration of a 2 $\frac{1}{4}$ m few-mode TDFA for mode division multiplexing. Optics Express, 2014, 22, 10544.	3.4	9
62	Experimental Demonstration of Improved Equalization Algorithm for IM/DD Fast OFDM. IEEE Photonics Technology Letters, 2015, 27, 1780-1783.	2.5	9
63	Controllable duration and repetition-rate picosecond pulses from a high-average-power OP-GaAs OPO. Optics Express, 2020, 28, 32540.	3.4	9
64	Tunable synchronously-pumped fiber Raman laser in the visible and near-infrared exploiting MOPA-generated rectangular pump pulses. Optics Letters, 2011, 36, 2050.	3.3	8
65	Single polarization picosecond fiber MOPA power scaled to beyond 500 μ W. Laser Physics Letters, 2014, 11, 085103.	1.4	8
66	Ultrafast intensity modulation by Raman gain for all-optical in-fiber processing. Optics Letters, 1998, 23, 606.	3.3	7
67	Fiber MOPA based tunable source for terahertz spectroscopy. Laser Physics Letters, 2012, 9, 350-354.	1.4	7
68	Detailed study of four-wave mixing in Raman DFB fiber lasers. Optics Express, 2014, 22, 22917.	3.4	7
69	Current status of few mode fiber amplifiers for spatial division multiplexed transmission. Journal of Optics (India), 2016, 45, 275-284.	1.7	7
70	Ultrawide-range four-wave mixing in Raman distributed-feedback fiber lasers. Optics Letters, 2013, 38, 944.	3.3	6
71	Minimizing Differential Modal Gain in Cladding Pumped MM-EDFAs for Mode Division Multiplexing in C and L Bands. , 2014, , .		6
72	500km remote interrogation of optical sensor arrays. Proceedings of SPIE, 2011, , .	0.8	5

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73	Laser-induced crystalline optical waveguide in glass fiber format. Optics Express, 2012, 20, B85.	3.4	5
74	Amplification of 12 OAM States in an Air-Core EDF. , 2015, , .		5
75	Generation of mode-locked optical pulses at 1035 nm from a fiber Bragg grating stabilized semiconductor laser diode. Optics Express, 2014, 22, 13366.	3.4	4
76	Over 55W of frequency doubled light at 530 nm pumped by an all-fiber diffraction limited picosecond fibre MOPA. , 2010, , .		3
77	100W, Fully-Fiberised Ytterbium Doped Master Oscillator Power Amplifier Incorporating Adaptive Pulse Shaping. , 2009, , .		3
78	Highly efficient, high power, inband-pumped Erbium/Ytterbium-codoped fiber laser. , 2011, , .		2
79	Visible and mid-IR output using a fibre laser pump source. , 2009, , .		1
80	A fiber based synchronously pumped tunable Raman laser in the NIR. , 2011, , .		1
81	Optical Amplifiers for Mode Division Multiplexing. , 2018, , 1-25.		1
82	High-Peak-Power Tunable Source at 550 nm From a Frequency-Doubled Yb-Doped Fiber MOPA. IEEE Photonics Technology Letters, 2019, 31, 727-730.	2.5	1
83	Ultra-Broadband Wavelength Conversion Based on Four-Wave Mixing in a Raman DFB Fiber Laser. , 2013, , .		1
84	Inspection of Defect-Induced Mode Coupling in Hollow-Core Photonic Bandgap Fibers Using Time-of-Flight. , 2015, , .		1
85	Advanced fibre designs for high power laser beam delivery and generation. , 2009, , .		0
86	100W, single mode, single polarization, picosecond, ytterbium doped fibre MOPA frequency doubled to 530 nm. , 2009, , .		0
87	100W, single mode, single polarization, picosecond, ytterbium doped fibre MOPA frequency doubled to 530nm. , 2009, , .		0
88	Excitation of individual Raman Stokes lines of up-to ninth order using rectangular shaped optical pulses at 530 nm. , 2010, , .		0
89	A Picosecond Optical Parametric Oscillator Synchronously Pumped by an Amplified Gain-Switched Laser Diode. , 2010, , .		0
90	SINGLE MODE ERBIUM YTTERBIUM-DOPED FIBER LASER WITH MULTIMODE PUMPING. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 203-208.	1.8	0

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91	High-Power Supercontinuum generation with picosecond pulses. , 2010, , .		0
92	Efficient near-infrared supercontinuum generation in tellurite holey fiber pumped 320nm within the normal dispersion regime. , 2010, , .		0
93	Rapidly tunable, wavelength agile, visible fiber based light source exploiting Raman scattering of multi-step pulses. , 2011, , .		0
94	High power, low threshold, Raman DFB fibre lasers. , 2011, , .		0
95	High power high repetition rate picosecond optical parametric oscillator pumped by frequency doubled all-fiber Yb-doped MOPA. Proceedings of SPIE, 2012, , .	0.8	0
96	An all-fiber PM MOPA pumped high-power OPO at 3.82 μ m based on large aperture PPMgLN. , 2012, , .		0
97	Supercontinuum generation with femtosecond pulse fiber amplified VECSELs. Proceedings of SPIE, 2013, , .	0.8	0
98	In-situ Solution Doping Technique for Novel Geometry Rare-Earth Doped Fiber Fabrication. , 2010, , .		0
99	High pulse energy, picosecond MgO:PPLN optical parametric oscillator using a single-mode fiber for signal feedback. , 2011, , .		0
100	Synchronously pumped tunable Raman laser in the visible pumped by an all-fiber PM MOPA at 1060 nm. , 2011, , .		0
101	High-energy, in-band, cladding-pumped erbium doped pulsed fiber lasers. , 2012, , .		0
102	200W Gain-Switched-Diode-Seeded, Single-Polarization, Narrow-Linewidth, All-Fiber, Picosecond MOPA. , 2013, , .		0
103	Optical Amplifiers for Mode Division Multiplexing. , 2019, , 849-873.		0