

# Shaif-ul Alam

## List of Publications by Year in descending order

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103  
papers

3,365  
citations

126907

33  
h-index

144013

57  
g-index

103  
all docs

103  
docs citations

103  
times ranked

1940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicore and multimode optical amplifiers for space division multiplexing. , 2020, , 301-333.		13
2	High-average-power picosecond mid-infrared OP-GaAs OPO. Optics Express, 2020, 28, 5741.	3.4	30
3	Controllable duration and repetition-rate picosecond pulses from a high-average-power OP-GaAs OPO. Optics Express, 2020, 28, 32540.	3.4	9
4	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
5	Optical Amplifiers for Mode Division Multiplexing. , 2019, , 849-873.		0
6	High-speed silicon modulators for the 2- $\mu\text{m}$ wavelength band. Optica, 2018, 5, 1055.	9.3	119
7	Optical Amplifiers for Mode Division Multiplexing. , 2018, , 1-25.		1
8	106-W, picosecond Yb-doped fiber MOPA system with a radially polarized output beam. Optics Letters, 2018, 43, 4957.	3.3	38
9	Optical Orbital Angular Momentum Amplifier Based on an Air-Hole Erbium-Doped Fiber. Journal of Lightwave Technology, 2017, 35, 430-436.	4.6	53
10	High gain holmium-doped fibre amplifiers. Optics Express, 2016, 24, 13946.	3.4	38
11	40 Gb/s WDM Transmission Over 1.15-km HC-PBGF Using an InP-Based Mach-Zehnder Modulator at 2 $\mu\text{m}$ . Journal of Lightwave Technology, 2016, 34, 1706-1711.	4.6	30
12	Current status of few mode fiber amplifiers for spatial division multiplexed transmission. Journal of Optics (India), 2016, 45, 275-284.	1.7	7
13	Amplification of 12 OAM Modes in an air-core erbium doped fiber. Optics Express, 2015, 23, 28341.	3.4	53
14	High-Capacity Directly Modulated Optical Transmitter for 2- $\mu\text{m}$ Spectral Region. Journal of Lightwave Technology, 2015, 33, 1373-1379.	4.6	65
15	Characterization of Mode Coupling in Few-Mode FBG With Selective Mode Excitation. IEEE Photonics Technology Letters, 2015, 27, 1713-1716.	2.5	49
16	100 Gbit/s WDM transmission at 2 $\mu\text{m}$ : transmission studies in both low-loss hollow core photonic bandgap fiber and solid core fiber. Optics Express, 2015, 23, 4946.	3.4	111
17	Dense WDM transmission at 2- $\mu\text{m}$ enabled by an arrayed waveguide grating. Optics Letters, 2015, 40, 3308.		42
18	Fiber-laser-pumped, high-energy, mid-IR, picosecond optical parametric oscillator with a high-harmonic cavity. Optics Letters, 2015, 40, 3288.	3.3	27

#	ARTICLE	IF	CITATIONS
19	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
20	Experimental Demonstration of Improved Equalization Algorithm for IM/DD Fast OFDM. IEEE Photonics Technology Letters, 2015, 27, 1780-1783.	2.5	9
21	Amplification of 12 OAM States in an Air-Core EDF. , 2015, , .		5
22	Inspection of Defect-Induced Mode Coupling in Hollow-Core Photonic Bandgap Fibers Using Time-of-Flight. , 2015, , .		1
23	High-energy diode-seeded nanosecond 2â€‰%â€‰%â€‰%1/4m fiber MOPA systems incorporating active pulse shaping. Optics Letters, 2014, 39, 1569.	3.3	22
24	Detailed study of four-wave mixing in Raman DFB fiber lasers. Optics Express, 2014, 22, 22917.	3.4	7
25	Minimizing differential modal gain in cladding-pumped EDFAs supporting four and six mode groups. Optics Express, 2014, 22, 21499.	3.4	44
26	First demonstration of a 2â€‰%â€‰%â€‰%1/4m few-mode TDFA for mode division multiplexing. Optics Express, 2014, 22, 10544.	3.4	9
27	Few-mode multi-element fiber amplifier for mode division multiplexing. Optics Express, 2014, 22, 29031.	3.4	11
28	Cladding pumped few-mode EDFA for mode division multiplexed transmission. Optics Express, 2014, 22, 29008.	3.4	103
29	Compact, high-pulse-energy, high-power, picosecond master oscillator power amplifier. Optics Express, 2014, 22, 21938.	3.4	23
30	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
31	Single polarization picosecond fiber MOPA power scaled to beyond 500â€‰%â€‰%W. Laser Physics Letters, 2014, 11, 085103.	1.4	8
32	Reconfigurable Modal Gain Control of a Few-Mode EDFA Supporting Six Spatial Modes. IEEE Photonics Technology Letters, 2014, 26, 1100-1103.	2.5	74
33	Optical chopper-based re-circulating loop for few-mode fiber transmission. Optics Letters, 2014, 39, 1181.	3.3	18
34	Introduction to the Issue on Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 5-7.	2.9	10
35	Minimizing Differential Modal Gain in Cladding Pumped MM-EDFAs for Mode Division Multiplexing in C and L Bands. , 2014, , .		6
36	Supercontinuum generation with femtosecond pulse fiber amplified VECSELS. Proceedings of SPIE, 2013, , .	0.8	0

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37	Mid-infrared ZBLAN fiber supercontinuum source using picosecond diode-pumping at 2 $\mu\text{m}$ . Optics Express, 2013, 21, 24281.	3.4	83
38	100 $\mu\text{W}$ peak power picosecond thulium-doped fiber amplifier system seeded by a gain-switched diode laser at 2 $\mu\text{m}$ . Optics Letters, 2013, 38, 1615.	3.3	60
39	Field demonstration of mode-division multiplexing upgrade scenarios on commercial networks. Optics Express, 2013, 21, 31036.	3.4	26
40	Supercontinuum Generation With GHz Repetition Rate Femtosecond-Pulse Fiber-Amplified VECSELS. IEEE Photonics Technology Letters, 2013, 25, 464-467.	2.5	29
41	Three mode $\text{Er}^{3+}$ ring-doped fiber amplifier for mode-division multiplexed transmission. Optics Express, 2013, 21, 10383.	3.4	56
42	Ultrawide-range four-wave mixing in Raman distributed-feedback fiber lasers. Optics Letters, 2013, 38, 944.	3.3	6
43	Thulium-doped fiber amplifier for optical communications at 2 $\mu\text{m}$ . Optics Express, 2013, 21, 9289.	3.4	266
44	Diode-pumped wideband thulium-doped fiber amplifiers for optical communications in the 1800 – 2050 nm window. Optics Express, 2013, 21, 26450.	3.4	165
45	200 W Diffraction limited, single-polarization, all-fiber picosecond MOPA. Optics Express, 2013, 21, 25883.	3.4	37
46	Demonstration of amplified data transmission at 2 $\mu\text{m}$ in a low-loss wide bandwidth hollow core photonic bandgap fiber. Optics Express, 2013, 21, 28559.	3.4	112
47	Dual mode fused optical fiber couplers suitable for mode division multiplexed transmission. Optics Express, 2013, 21, 24326.	3.4	55
48	All-fiber, ultra-wideband tunable laser at 2 $\mu\text{m}$ . Optics Letters, 2013, 38, 4739.	3.3	80
49	Vector Mode effects in Few Moded Erbium Doped Fiber Amplifiers. , 2013, , .		10
50	Design of Four-Mode Erbium Doped Fiber Amplifier with Low Differential Modal Gain for Modal Division Multiplexed Transmissions. , 2013, , .		21
51	Ultra-Broadband Wavelength Conversion Based on Four-Wave Mixing in a Raman DFB Fiber Laser. , 2013, , .		1
52	200W Gain-Switched-Diode-Seeded, Single-Polarization, Narrow-Linewidth, All-Fiber, Picosecond MOPA. , 2013, , .		0
53	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
54	Sub-watt threshold, kilohertz-linewidth Raman distributed-feedback fiber laser. Optics Letters, 2012, 37, 1544.	3.3	33

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55	Green-pumped, picosecond MgO:PPLN optical parametric oscillator. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 144.	2.1	22
56	Laser-induced crystalline optical waveguide in glass fiber format. Optics Express, 2012, 20, B85.	3.4	5
57	Highly efficient Raman distributed feedback fibre lasers. Optics Express, 2012, 20, 5082.	3.4	45
58	High-power, high repetition-rate, green-pumped, picosecond LBO optical parametric oscillator. Optics Express, 2012, 20, 7008.	3.4	32
59	Optimizing the pumping configuration for the power scaling of in-band pumped erbium doped fiber amplifiers. Optics Express, 2012, 20, 13886.	3.4	31
60	Large aperture PPMgLN based high-power optical parametric oscillator at 38 Åµm pumped by a nanosecond linearly polarized fiber MOPA. Optics Express, 2012, 20, 15008.	3.4	33
61	High-energy, in-band pumped erbium doped fiber amplifiers. Optics Express, 2012, 20, 18803.	3.4	37
62	Accurate modal gain control in a multimode erbium doped fiber amplifier incorporating ring doping and a simple LP <sub>01</sub> pump configuration. Optics Express, 2012, 20, 20835.	3.4	91
63	Fiber MOPA based tunable source for terahertz spectroscopy. Laser Physics Letters, 2012, 9, 350-354.	1.4	7
64	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
65	An all-fiber PM MOPA pumped high-power OPO at 3.82 Åµm based on large aperture PPMgLN. , 2012, , .		0
66	High-energy, in-band, cladding-pumped erbium doped pulsed fiber lasers. , 2012, , .		0
67	The Multipulse Phenomena and Nonlinear Effects in Q-Switched Fiber Lasers. IEEE Photonics Technology Letters, 2011, 23, 1763-1765.	2.5	14
68	500km remote interrogation of optical sensor arrays. Proceedings of SPIE, 2011, , .	0.8	5
69	1.06 Åµm 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
70	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
71	First demonstration and detailed characterization of a multimode amplifier for space division multiplexed transmission systems. Optics Express, 2011, 19, B952.	3.4	174
72	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

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73	Rapidly tunable, wavelength agile, visible fiber based light source exploiting Raman scattering of multi-step pulses. , 2011, , .		0
74	Temporally and spatially shaped fully-fiberized ytterbium-doped pulsed MOPA. Laser Physics Letters, 2011, 8, 747-753.	1.4	11
75	Highly efficient, high power, inband-pumped Erbium/Ytterbium-codoped fiber laser. , 2011, , .		2
76	High power, low threshold, Raman DFB fibre lasers. , 2011, , .		0
77	A fiber based synchronously pumped tunable Raman laser in the NIR. , 2011, , .		1
78	High pulse energy, picosecond MgO:PPLN optical parametric oscillator using a single-mode fiber for signal feedback. , 2011, , .		0
79	Synchronously pumped tunable Raman laser in the visible pumped by an all-fiber PM MOPA at 1060 nm. , 2011, , .		0
80	Excitation of individual Raman Stokes lines of up-to ninth order using rectangular shaped optical pulses at 530 nm. , 2010, , .		0
81	Over 55W of frequency doubled light at 530 nm pumped by an all-fiber diffraction limited picosecond fibre MOPA. , 2010, , .		3
82	A Picosecond Optical Parametric Oscillator Synchronously Pumped by an Amplified Gain-Switched Laser Diode. , 2010, , .		0
83	SINGLE MODE ERBIUM YTTERBIUM-DOPED FIBER LASER WITH MULTIMODE PUMPING. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 203-208.	1.8	0
84	High-Power Supercontinuum generation with picosecond pulses. , 2010, , .		0
85	56-W Frequency-Doubled Source at 530 nm Pumped by a Single-Mode, Single-Polarization, Picosecond, Yb <sup>3+</sup> -Doped Fiber MOPA. IEEE Photonics Technology Letters, 2010, 22, 893-895.	2.5	17
86	Picosecond fiber MOPA pumped supercontinuum source with 39 W output power. Optics Express, 2010, 18, 5426.	3.4	113
87	Multi-watts narrow-linewidth all fiber Yb-doped laser operating at 1179 nm. Optics Express, 2010, 18, 5920.	3.4	47
88	High-power, variable repetition rate, picosecond optical parametric oscillator pumped by an amplified gain-switched diode. Optics Express, 2010, 18, 7602.	3.4	26
89	Polarisation maintaining 100W Yb-fiber MOPA producing $\mu$ J pulses tunable in duration from 1 to 21 ps. Optics Express, 2010, 18, 14385.	3.4	62
90	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

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91	Compact, high-pulse-energy, picosecond optical parametric oscillator. Optics Letters, 2010, 35, 3580.	3.3	38
92	Efficient near-infrared supercontinuum generation in tellurite holey fiber pumped 320nm within the normal dispersion regime. , 2010, , .		0
93	In-situ Solution Doping Technique for Novel Geometry Rare-Earth Doped Fiber Fabrication. , 2010, , .		0
94	Advanced fibre designs for high power laser beam delivery and generation. , 2009, , .		0
95	Visible and mid-IR output using a fibre laser pump source. , 2009, , .		1
96	PPMgLN-Based High-Power Optical Parametric Oscillator Pumped by Yb $^{3+}$ -Doped Fiber Amplifier Incorporates Active Pulse Shaping. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 385-392.	2.9	26
97	High power pulsed fiber MOPA system incorporating electro-optic modulator based adaptive pulse shaping. Optics Express, 2009, 17, 20927.	3.4	117
98	100W, single mode, single polarization, picosecond, ytterbium doped fibre MOPA frequency doubled to 530 nm. , 2009, , .		0
99	100W, single mode, single polarization, picosecond, ytterbium doped fibre MOPA frequency doubled to 530nm. , 2009, , .		0
100	100W, Fully-Fiberised Ytterbium Doped Master Oscillator Power Amplifier Incorporating Adaptive Pulse Shaping. , 2009, , .		3
101	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
102	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
103	Ultrafast intensity modulation by Raman gain for all-optical in-fiber processing. Optics Letters, 1998, 23, 606.	3.3	7