

Christoph Stihler

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

402
citations

1307594

7
h-index

1474206

9
g-index

17
all docs

17
docs citations

17
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse mode instability. <i>Advances in Optics and Photonics</i> , 2020, 12, 429.	25.5	174
2	Modal energy transfer by thermally induced refractive index gratings in Yb-doped fibers. <i>Light: Science and Applications</i> , 2018, 7, 59.	16.6	46
3	Pump-modulation-induced beam stabilization in high-power fiber laser systems above the mode instability threshold. <i>Optics Express</i> , 2018, 26, 10691.	3.4	42
4	Intensity noise as a driver for transverse mode instability in fiber amplifiers. <i>PhotonIX</i> , 2020, 1, .	13.5	41
5	342 Åµm lasing in heavily-erbium-doped fluoride fibers. <i>Optics Express</i> , 2019, 27, 2170.	3.4	37
6	Phase-shift evolution of the thermally-induced refractive index grating in high-power fiber laser systems induced by pump-power variations. <i>Optics Express</i> , 2018, 26, 19489.	3.4	24
7	Experimental investigation of transverse mode instabilities in a double-pass Yb-doped rod-type fiber amplifier. <i>Proceedings of SPIE</i> , 2017, , .	0.8	9
8	Transverse mode instabilities in burst operation of high-power fiber laser systems. , 2018, , .		7
9	Mitigation of mode instabilities in high-power fiber laser systems by active modulation of the pump power. , 2017, , .		5
10	The impact of pump-power noise on transverse mode instabilities. , 2019, , .		5
11	Origin and evolution of phase-shifts in high-power fiber laser systems: detailed insights into TMI. , 2019, , .		5
12	Towards the control of the modal energy transfer in transverse mode instabilities. , 2018, , .		3
13	Controlling mode instabilities at 628 W average output power in an Yb-doped rod-type fiber amplifier by active modulation of the pump power. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
14	Dependence of the mode instability threshold of high-power fiber laser systems on core co-dopants. , 2017, , .		1
15	Pump-Power-Noise Influence on Mode Instabilities in High-Power Fiber Laser Systems. , 2019, , .		1
16	Control and stabilization of the modal content of fiber amplifiers using traveling waves. <i>Optics Express</i> , 2021, 29, 34452.	3.4	1
17	Transverse Mode Instability in High-Power Fiber Laser Systems: a "Hot Topic". , 2021, , .		0