

Benoit Cadier

List of Publications by Year in descending order

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43
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43
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624
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in radiation-hardened fiber-based technologies for space applications. Journal of Optics (United Kingdom), 2018, 20, 093001.	2.2	153
2	Radiation hardening techniques for Er/Yb doped optical fibers and amplifiers for space application. Optics Express, 2012, 20, 8457.	3.4	99
3	Radiation-hard erbium optical fiber and fiber amplifier for both low- and high-dose space missions. Optics Letters, 2014, 39, 2541.	3.3	60
4	Concentration dependence and self-similarity of photodarkening losses induced in Yb-doped fibers by comparable excitation. Optics Express, 2011, 19, 19340.	3.4	51
5	65-W ZnGeP ₂ OPO directly pumped by a Q-switched Tm ³⁺ -doped single-oscillator fiber laser. Optics Letters, 2015, 40, 1101.	3.3	43
6	Mitigation of photodarkening phenomenon in fiber lasers by 633-nm light exposure. Optics Letters, 2013, 38, 196.	3.3	38
7	Temporal evolution and correlation between cooperative luminescence and photodarkening in ytterbium doped silica fibers. Optics Express, 2011, 19, 25077.	3.4	32
8	Actively mode-locked Tm ³⁺ -doped silica fiber laser with wavelength-tunable, high average output power. Optics Letters, 2015, 40, 1464.	3.3	29
9	20-W continuous-wave cladding-pumped Nd-doped fiber laser at 910-nm. Optics Letters, 2013, 38, 3065.	3.3	27
10	High-peak-power single-oscillator actively Q-switched mode-locked Tm ³⁺ -doped fiber laser and its application for high-average output power mid-IR supercontinuum generation in a ZBLAN fiber. Optics Letters, 2016, 41, 2545.	3.3	26
11	Radiation hardened high-power Er ³⁺ /Yb ³⁺ -codoped fiber amplifiers for free-space optical communications. Optics Letters, 2018, 43, 3049.	3.3	25
12	Generation of 520 mW pulsed blue light by frequency doubling of an all-fiberized 978 nm Yb-doped fiber laser source. Optics Letters, 2011, 36, 3909.	3.3	22
13	Diffraction limited 195-W continuous wave laser emission at 2.09-μm from a Tm ³⁺ , Ho ³⁺ -codoped single-oscillator monolithic fiber laser. Optics Express, 2021, 29, 6599.	3.4	20
14	75 W blue light generation at 452 nm by internal frequency doubling of a continuous-wave Nd-doped fiber laser. Optics Express, 2018, 26, 10000.	3.4	19
15	Evidence of Photodarkening Mitigation in Yb-Doped Fiber Lasers by Low Power 405 nm Radiation. IEEE Photonics Technology Letters, 2014, 26, 50-53.	2.5	18
16	Extended tunability of Nd-doped fiber lasers operating at 872-936-nm. Optics Letters, 2015, 40, 4098.	3.3	18
17	Watt-level single-frequency tunable neodymium MOPA fiber laser operating at 915-937-nm. Optics Letters, 2017, 42, 4557.	3.3	18
18	X-rays, β -rays, electrons and protons radiation-induced changes on the lifetimes of Er ³⁺ and Yb ³⁺ ions in silica-based optical fibers. Journal of Luminescence, 2018, 195, 402-407.	3.1	18

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19	Generation of picosecond blue light pulses at 464 nm by frequency doubling an Nd-doped fiber based Master Oscillator Power Amplifier. Optics Express, 2010, 18, 5100.	3.4	16
20	55 W actively Q-switched single oscillator Tm ³⁺ , Ho ³⁺ -codoped silica polarization maintaining 209 Åµm fiber laser. Optics Express, 2019, 27, 8387.	3.4	16
21	Dissipative soliton resonance in a mode-locked Nd-fiber laser operating at 927 Åµm. Optics Letters, 2019, 44, 5497.	3.3	16
22	Influence of $\{m Ce\}^{3+}$ Codoping on the Photoluminescence Excitation Channels of Phosphosilicate Yb/Er-Doped Glasses. IEEE Photonics Technology Letters, 2012, 24, 509-511.	2.5	14
23	Realization and simulation of high-power holmium doped fiber lasers for long-range transmission. Optics Express, 2020, 28, 22307.	3.4	14
24	Linearly-polarized pulsed Nd-doped fiber MOPA at 905 Åµm and frequency conversion to deep-UV at 226 Åµm. Optics Express, 2021, 29, 4240.	3.4	10
25	Mode-locked all-PM Nd-doped fiber laser near 910 Åµm. Optics Letters, 2021, 46, 3564.	3.3	9
26	High power Q-switched Tm ³⁺ , Ho ³⁺ -codoped 2 Åµm fiber laser and application for direct OPO pumping. , 2019, , .		5
27	All-Polarization-Maintaining One - and Two-Stage Holmium-doped Fiber Amplifiers at 2051 nm. , 2018, , .		4
28	All-fiber Yb-doped CW and pulsed laser sources operating near 980nm. , 2011, , .		2
29	Photodarkening: measure, characterization, and figure of merit. SPIE Newsroom, 0, , .	0.1	2
30	Optical parametric generation by a simultaneously Q-switched mode-locked single-oscillator thulium-doped fiber laser in orientation-patterned gallium arsenide. Optics Letters, 2016, 41, 5063.	3.3	2
31	Transverse mode selection in a Nd-doped fiber amplifier at 910 nm. Optics Express, 2017, 25, 18314.	3.4	2
32	Radiation Effects on WDM and DWDM Architectures of Pre-amplifier and Boost-Amplifier. IEEE Transactions on Nuclear Science, 2020, 67, 278-283.	2.0	2
33	Mid-IR Supercontinuum Generation in ZBLAN Fibers with High Output Power and High Conversion Efficiency. , 2015, , .		2
34	Mid-Infrared Supercontinuum Generation From Cascaded Soft-Glass Fibers. , 2016, , .		2
35	Photodarkening in Yb-doped Al-silicate fibers: Investigation, modelling and mitigation. , 2014, , .		1
36	Photodarkening mitigation in Yb-doped fiber lasers by 405 nm irradiation. , 2013, , .		1

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37	Radiation influence on Er/Yb doped fiber amplifiers performances: high power and WDM architectures. , 2018, , .		1
38	Self-similarity of time evolution of photodarkening losses induced in Yb-doped fibers and photodarkening figure of merit. , 2012, , .		0
39	Photodarkening measurements in Yb-doped silica fibers in correlation with cooperative luminescence. , 2012, , .		0
40	Photodarkening: Investigation, Measurement and Standard. , 2014, , .		0
41	Recent Advances in Radiation Hardened Fiber-Based Technologies. , 2016, , .		0
42	Mode selection in a double-pass Nd-doped fiber amplifier at 910 nm. , 2016, , .		0
43	55 W Actively Q-switched Single Oscillator Tm ³⁺ , Ho ³⁺ -codoped Silica Polarization Maintaining 2.09 Fiber Laser. , 2018, , .		0