

# Benoit Cadier

## List of Publications by Year in descending order

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43  
papers

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501196

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43  
docs citations

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times ranked

624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linearly-polarized pulsed Nd-doped fiber MOPA at 905â€¦nm and frequency conversion to deep-UV at 226â€¦nm. Optics Express, 2021, 29, 4240.	3.4	10
2	Diffraction limited 195-W continuous wave laser emission at 2.09â€¦Âµm from a Tm<sup>3+</sup>, Ho<sup>3+</sup>-codoped single-oscillator monolithic fiber laser. Optics Express, 2021, 29, 6599.	3.4	20
3	Mode-locked all-PM Nd-doped fiber laser near 910â€¦nm. Optics Letters, 2021, 46, 3564.	3.3	9
4	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
5	Realization and simulation of high-power holmium doped fiber lasers for long-range transmission. Optics Express, 2020, 28, 22307.	3.4	14
6	High power Q-switched Tm <sup>3+</sup> , Ho <sup>3+</sup> -codoped 2 Âµm fiber laser and application for direct OPO pumping. , 2019, , .		5
7	55 W actively Q-switched single oscillator Tm<sup>3+</sup>, Ho<sup>3+</sup>-codoped silica polarization maintaining 209 Âµm fiber laser. Optics Express, 2019, 27, 8387.	3.4	16
8	Dissipative soliton resonance in a mode-locked Nd-fiber laser operating at 927â€¦nm. Optics Letters, 2019, 44, 5497.	3.3	16
9	X-rays, Î³-rays, electrons and protons radiation-induced changes on the lifetimes of Er <sup>3+</sup> and Yb <sup>3+</sup> ions in silica-based optical fibers. Journal of Luminescence, 2018, 195, 402-407.	3.1	18
10	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
11	Radiation hardened high-power Er<sup>3+</sup>/Yb<sup>3+</sup>-codoped fiber amplifiers for free-space optical communications. Optics Letters, 2018, 43, 3049.	3.3	25
12	Recent advances in radiation-hardened fiber-based technologies for space applications. Journal of Optics (United Kingdom), 2018, 20, 093001.	2.2	153
13	All-Polarization-Maintaining One - and Two-Stage Holmium-doped Fiber Amplifiers at 2051 nm. , 2018, , .		4
14	55 W Actively Q-switched Single Oscillator Tm <sup>3+</sup> , Ho <sup>3+</sup> -codoped Silica Polarization Maintaining 2.09 Fiber Laser. , 2018, , .		0
15	Radiation influence on Er/Yb doped fiber amplifiers performances: high power and WDM architectures. , 2018, , .		1
16	Transverse mode selection in a Nd-doped fiber amplifier at 910 nm. Optics Express, 2017, 25, 18314.	3.4	2
17	Watt-level single-frequency tunable neodymium MOPA fiber laser operating at 915â€¦937â€¦nm. Optics Letters, 2017, 42, 4557.	3.3	18
18	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

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19	High-peak-power single-oscillator actively Q-switched mode-locked Tm <sup>3+</sup> -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
20	Recent Advances in Radiation Hardened Fiber-Based Technologies. , 2016, , .		0
21	Mode selection in a double-pass Nd-doped fiber amplifier at 910 nm. , 2016, , .		0
22	Mid-Infrared Supercontinuum Generation From Cascaded Soft-Glass Fibers. , 2016, , .		2
23	Actively mode-locked Tm <sup>3+</sup> -doped silica fiber laser with wavelength-tunable, high average output power. Optics Letters, 2015, 40, 1464.	3.3	29
24	65-W ZnGeP <sub>2</sub> OPO directly pumped by a Q-switched Tm <sup>3+</sup> -doped single-oscillator fiber laser. Optics Letters, 2015, 40, 1101.	3.3	43
25	Extended tunability of Nd-doped fiber lasers operating at 872-936 nm. Optics Letters, 2015, 40, 4098.	3.3	18
26	Mid-IR Supercontinuum Generation in ZBLAN Fibers with High Output Power and High Conversion Efficiency. , 2015, , .		2
27	Radiation-hard erbium optical fiber and fiber amplifier for both low- and high-dose space missions. Optics Letters, 2014, 39, 2541.	3.3	60
28	Photodarkening in Yb-doped Al-silicate fibers: Investigation, modelling and mitigation. , 2014, , .		1
29	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
30	Photodarkening: Investigation, Measurement and Standard. , 2014, , .		0
31	Mitigation of photodarkening phenomenon in fiber lasers by 633-nm light exposure. Optics Letters, 2013, 38, 196.	3.3	38
32	20-W continuous-wave cladding-pumped Nd-doped fiber laser at 910 nm. Optics Letters, 2013, 38, 3065.	3.3	27
33	Photodarkening mitigation in Yb-doped fiber lasers by 405 nm irradiation. , 2013, , .		1
34	Radiation hardening techniques for Er/Yb doped optical fibers and amplifiers for space application. Optics Express, 2012, 20, 8457.	3.4	99
35	Self-similarity of time evolution of photodarkening losses induced in Yb-doped fibers and photodarkening figure of merit. , 2012, , .		0
36	Influence of $\text{[m Ce]}^{3+}$ Codoping on the Photoluminescence Excitation Channels of Phosphosilicate Yb/Er-Doped Glasses. IEEE Photonics Technology Letters, 2012, 24, 509-511.	2.5	14

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37	Photodarkening measurements in Yb-doped silica fibers in correlation with cooperative luminescence. , 2012, , .		0
38	Concentration dependence and self-similarity of photodarkening losses induced in Yb-doped fibers by comparable excitation. Optics Express, 2011, 19, 19340.	3.4	51
39	Temporal evolution and correlation between cooperative luminescence and photodarkening in ytterbium doped silica fibers. Optics Express, 2011, 19, 25077.	3.4	32
40	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
41	All-fiber Yb-doped CW and pulsed laser sources operating near 980nm. , 2011, , .		2
42	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
43	Photodarkening: measure, characterization, and figure of merit. SPIE Newsroom, 0, , .	0.1	2