SebastiÃ¡n Jarabo

List of Publications by Year
in descending order

37 papers	635 citations	1040056 9 h-index	580821 25 g-index
37 all docs	37 docs citations	37 times ranked	438 citing authors

#	Article	IF	Citations
1	Multiwavelength fiber laser sources with Bragg-grating sensor multiplexing capability. Journal of Lightwave Technology, 2001, 19, 553-558.	4.6	215
2	Observation of superluminal and slow light propagation in erbium-doped optical fiber. Europhysics Letters, 2006, 73, 218-224.	2.0	174
3	New WDM amplified network for optical sensor multiplexing. IEEE Photonics Technology Letters, 1999, 11, 1644-1646.	2.5	36
4	Effect of ion concentration on slow light propagation in highly doped erbium fibers. Optics Communications, 2007, 279, 53-63.	2.1	29
5	Erbium doped fibre characterisation by laser transient behaviour analysis. Optics Communications, 2001, 193, 133-140.	2.1	23
6	Analytic modeling of erbium-doped fiber amplifiers on the basis of intensity-dependent overlapping factors. Applied Optics, 1995, 34, 6158.	2.1	20
7	Analysis of theoretical models for erbium-doped silica fibre lasers. Optics Communications, 2001, 187, 107-123.	2.1	11
8	Experimental Study of a Multiwavelength Erbium-Doped Fiber Ring Laser Incorporating a Spatial Mode Beating Filter. Fiber and Integrated Optics, 2001, 20, 325-339.	2.5	10
9	Near-infrared supercontinuum source by intracavity silica-based highly-nonlinear fiber. Optics Letters, 2019, 44, 2016.	3.3	10
10	Spectral hole burning induced by reflected amplified spontaneous emission in erbium-doped silica optical fiber pumped at 980 nm. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1204.	2.1	9
11	Mode-locked erbium-doped fiber lasers as source for optical sensor networks over C and L bands. Optical Fiber Technology, 2013, 19, 476-481.	2.7	8
12	Measurement method of optical properties of ex vivo biological tissues of rats in the near-infrared range. Applied Optics, 2020, 59, D111.	1.8	8
13	Experimental verification of analytic modeling of erbium-doped silica fiber amplifiers pumped at 1480 nm. Applied Optics, 1996, 35, 4759.	2.1	7
14	New theoretical model based on the application of the energy conservation principle for erbium-doped silica fibre lasers. Journal of Modern Optics, 2005, 52, 655-670.	1.3	7
15	Theoretical model for superluminal and slow light in erbium-doped optical fibers: enhancement of the frequency response by pump modulation. Applied Physics B: Lasers and Optics, 2012, 107, 717-732.	2.2	7
16	Octave-spanning supercontinuum generation in highly nonlinear silica fibres based on cost-effective fibre amplifiers. Laser Physics Letters, 2016, 13, 095102.	1.4	7
17	Experimental characterisation, optimisation and design of erbium-doped silica fibre lasers. Applied Physics B: Lasers and Optics, 2005, 80, 449-457.	2.2	6
18	Supercontinuum source based on all-silica fibers with optimized spectral power from 1100 up to 2300â€‰nm. Optics and Laser Technology, 2019, 117, 73-78.	4.6	6

#	Article	IF	Citations
19	Measurement of the phase shift for a low-frequency-modulated signal power in an erbium-doped fiber amplifier. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1846.	2.1	5
20	Optical filter design for multiwavelength erbium-doped fiber ring lasers. Optics Communications, 2002, 208, 167-172.	2.1	5
21	Spectral attenuation of brain and retina tissues in the nearâ€infrared range measured using a fiberâ€based supercontinuum device. Journal of Biophotonics, 2017, 10, 1105-1109.	2.3	5
22	Simultaneous optimization of circadian and color performance for smart lighting systems design. Energy and Buildings, 2021, 252, 111456.	6.7	5
23	Experimental validation of the improved analytical model for erbium-doped fibre lasers based on the energy conservation principle. Applied Physics B: Lasers and Optics, 2005, 81, 831-840.	2.2	4
24	Experimental study on wave-mixing in semiconductor optical amplifiers. Optics Communications, 2008, 281, 3872-3877.	2.1	3
25	Ultrawide broadband photonic source based on a new design of mode-locked erbium-doped fibre laser. Laser Physics Letters, 2015, 12, 095104.	1.4	3
26	Coherent artifact and time-dependent polarization in amplified ultrafast erbium-doped fibre lasers. Optics and Laser Technology, 2021, 140, 107018.	4.6	3
27	Study of Periodic Intensity Profiles by Fourier Transform of the Time-interval Probability Measurement: Application to Lifetime Measurements. Journal of Modern Optics, 1991, 38, 1499-1505.	1.3	2
28	Experimental determination of saturation power in erbium-doped silica fibres. Optics Communications, 1998, 154, 196-202.	2.1	2
29	Analytical theoretical model of erbium-doped fibre amplifiers. Optics Communications, 2000, 181, 303-311.	2.1	2
30	Experimental Application of the Fourier Transform of the Time-Interval Probability Technique to Lifetime Measurement. Applied Spectroscopy, 1992, 46, 1140-1142.	2.2	1
31	Study of Different Photon Statistics Techniques, Based on Time-Interval Measurement, Applied to Fluorescence Decay Spectroscopy. Applied Spectroscopy, 1993, 47, 1251-1255.	2.2	1
32	Experimental evidence of coherent population oscillations based on spectral hole-burning in erbium-doped silica fibre. Europhysics Letters, 2015, 112, 14004.	2.0	1
33	Experimental verification of a theoretical model for erbium-doped fibre ring lasers. Journal of Modern Optics, 2008, 55, 2865-2874.	1.3	0
34	$mathcal {Q}$-switching in a neodymium laser. European Journal of Physics, 2012, 33, 265-278.	0.6	0
35	Sensitivity enhancement by increasing the nonlinear crystal length in second-order autocorrelators for ultrashort laser pulses measurement. Optics Communications, 2019, 437, 367-372.	2.1	0
36	Laboratory experiment with Helium-Neon laser: Gain and oscillation spectral widths. Optica Pura Y Aplicada, 2014, 47, 63-69.	0.1	0

#	Article	IF	Citations
37	Young and Fresnel without sodium lamp. Optica Pura Y Aplicada, 2015, 48, 243-247.	0.1	0