Mfc Stephens

List of Publications by Year
in descending order

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21	209	1307594 7	1199594 12
papers	citations	h-index	g-index

21	21	21	114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Demonstration of ultrafast all-optical wavelength conversion utilizing birefringence in semiconductor optical amplifiers. IEEE Photonics Technology Letters, 1997, 9, 449-451.	2.5	75
2	Improved WDM performance of a fibre optical parametric amplifier using Raman-assisted pumping. Optics Express, 2015, 23, 902.	3.4	28
3	All-optical regeneration and wavelength conversion in an integrated semiconductor optical amplifier/distributed-feedback laser. IEEE Photonics Technology Letters, 1999, 11, 979-981.	2.5	22
4	Wavelength conversion at 40 Gbit/s via cross-gain modulation in distributed feedback laser integrated with semiconductor optical amplifier. Electronics Letters, 1999, 35, 1762.	1.0	15
5	Low-input power wavelength conversion at 10 Gb/s using an integrated amplifier/DFB laser and subsequent transmission over 375 km of fiber. IEEE Photonics Technology Letters, 1998, 10, 878-880.	2.5	14
6	Suppression of WDM four-wave mixing crosstalk in fibre optic parametric amplifier using Raman-assisted pumping. Optics Express, 2015, 23, 27240.	3.4	12
7	Wavelength conversion at 40 Gbit/s via four wave mixing in semiconductor optical amplifier with integrated pump laser. Electronics Letters, 1999, 35, 420.	1.0	9
8	The Impact of Pump Phase-Modulation and Filtering on WDM Signals in a Fibre Optical Parametric Amplifier. , 2015, , .		7
9	Demonstration of an all-optical simultaneous wavelength converting/space-switching cross-point device. IEEE Photonics Technology Letters, 1998, 10, 224-226.	2.5	5
10	Limits of broadband fiber optic parametric devices due to stimulated Brillouin scattering. Optical Fiber Technology, 2021, 66, 102646.	2.7	5
11	Raman-amplified pump and its use for parametric amplification and phase conjugation. Optical Fiber Technology, 2020, 56, 102183.	2.7	4
12	All-optical 3R regeneration and format conversion in an integrated SOA/DFB laser. , 0, , .		3
13	Using an integrated semiconductor optical amplifier/distributed feedback laser for simultaneous wavelength conversion and suppression/replacement of a wavelength identifying tone. IEEE Photonics Technology Letters, 1999, 11, 472-474.	2.5	3
14	Dispersion compensation at 40 Gbit/s over 100 km of standard fibre via mid-span spectral inversion in semiconductor optical amplifier with integrated pump laser. Electronics Letters, 1999, 35, 1359.	1.0	3
15	All-optical regeneration and wavelength conversion in an integrated semiconductor optical amplifier/distributed feedback laser. , 0, , .		2
16	Wavelength conversion based on an integrated semiconductor optical amplifier/DFB laser at 10 Gb/s with low input power. , 1998, , .		1
17	Performance Characterisation and Limitations of High-Gain Discrete Raman Amplification. , 2016, , .		1
18	Ultrafast all-optical wavelength conversion using an integrated amplifier/DFB laser. , 0, , .		0

#	Article	IF	Citations
19	Using a semiconductor optical amplifier integrated with a pump laser for mid-span spectral inversion and wavelength conversion. , 1999, , .		0
20	Wavelength conversion, regeneration and tone manipulation using integrated semiconductor lasers and amplifiers. , 0, , .		0
21	Demonstration of four wave mixing in an integrated pump laser and semiconductor optical amplifier for midspan spectral inversion dispersion compensation. , 0, , .		0