

Ning Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

813
citations

840585

11
h-index

1125617

13
g-index

24
all docs

24
docs citations

24
times ranked

595
citing authors

#	ARTICLE	IF	CITATIONS
1	Next-Generation Optical Access Networks. Journal of Lightwave Technology, 2007, 25, 3428-3442.	2.7	344
2	Hybrid Architecture and Integrated Routing in a Scalable Optical-Wireless Access Network. Journal of Lightwave Technology, 2007, 25, 3443-3451.	2.7	111
3	Temperature-dependence studies of photorefractive effect in a low glass-transition-temperature polymer composite. Journal of Applied Physics, 1997, 82, 5923-5931.	1.1	61
4	Dynamics of photorefractive grating erasure in polymeric composites. Journal of Applied Physics, 1999, 85, 38-43.	1.1	50
5	Flexible TWDM PON system with pluggable optical transceiver modules. Optics Express, 2014, 22, 2078.	1.7	47
6	Two-photon pumped partially cross-linked polymer laser. Applied Physics Letters, 1997, 71, 1619-1621.	1.5	35
7	Flexible TWDM PON with WDM overlay for converged services. Optical Fiber Technology, 2015, 26, 21-30.	1.4	30
8	Thermal fixing of refractive index gratings in a photorefractive polymer. Applied Physics Letters, 1997, 71, 1828-1830.	1.5	28
9	Photorefractivity in a Novel Polymer Composite with High Diffraction Efficiency and Broad Optical Transparency. Journal of Physical Chemistry B, 1997, 101, 3530-3534.	1.2	25
10	Flexible TWDM PON with Load Balancing and Power Saving. , 2013, , .		16
11	Phase-conjugation properties of two-photon-pumped backward-stimulated emission II Theoretical studies. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 1086.	0.9	14
12	MARIN Hybrid Optical-Wireless Access Network. , 2007, , .		12
13	Photonic components for future fiber access networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 928-935.	9.7	12
14	20Gb/s Hybrid TDM/WDM PONs with 512-Split Using Self-Seeded Reflective Semiconductor Optical Amplifiers. , 2012, , .		9
15	MARIN: Demonstration of a Flexible and Dynamic Metro-Access Integrated Architecture. , 2007, , .		5
16	Optimization of All-Optical Wavelength Converter Based on a Nonlinear Semiconductor Optical Amplifier and Delay Interferometer. , 2006, , .		3
17	CROWN - Converged Optical and Wireless Networks: Network Architecture and Routing Algorithms. , 2007, , .		3
18	Dynamic Wavelength Allocation in a Converged and Scalable Interface for Metro-Access Ring Integrated Networks. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
19	Noise transfer characteristics of cross-absorption modulation in an electroabsorption modulator. IEEE Photonics Technology Letters, 2005, 17, 780-782.	1.3	2
20	<title>Theoretical and experimental studies of photorefractivity in novel polymeric composites</title>. , 1996, , .		1
21	OPTICAL PHASE-CONJUGATION PROPERTY OF THREE-PHOTON EXCITED BACKWARD STIMULATED EMISSION. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 137-155.	1.1	1
22	Burst Switching Metro-Access Ring Integrated Network. , 2006, , .		0
23	Pulse Distortion and Power Penalty Induced by Sinusoidal Amplitude and Phase Response Ripples for Gaussian Pulses. Journal of Lightwave Technology, 2008, 26, 729-738.	2.7	0