

Peng-Chun Peng

List of Publications by Year in descending order

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201674

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all docs

219
docs citations

219
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement learning for W-band radio-over-fiber system using a polarization modulator. Optics Letters, 2022, 47, 2008.	3.3	3
2	Microwave signal generation with discrete mode laser diode. Laser Physics Letters, 2022, 19, 056201.	1.4	1
3	Laser-Based Optical Wireless Communications for Internet of Things (IoT) Application. IEEE Internet of Things Journal, 2022, 9, 24466-24476.	8.7	7
4	A Neural-network-based Inverse Design of the Microwave Photonic Filter Using Multiwavelength Laser. Optics Communications, 2022, 523, 128729.	2.1	2
5	Integration of fiber and FSO network with fault-protection for optical access network. Optics Communications, 2021, 484, 126676.	2.1	20
6	Optical Signal Processing for W-Band Radio-Over-Fiber System With Tunable Frequency Response. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	14
7	Intensity and Wavelength-Division Multiplexing Fiber Sensor Interrogation Using a Combination of Autoencoder Pre-Trained Convolution Neural Network and Differential Evolution Algorithm. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	14
8	Reliable self-healing FBG sensor network for improvement of multipoint strain sensing. Optics Communications, 2021, 499, 127286.	2.1	12
9	Self-Start Multi-Wavelength Laser Source with Tunable Delay-Line Interferometer and Optical Fiber Reflector for Wireless Communication System. Applied Sciences (Switzerland), 2021, 11, 9553.	2.5	1
10	Robust Remote Sensing FBG Sensor System Using Bidirectional-EDFA Techniques. , 2021, , .		1
11	A New Approach of RoF System Using Optoelectronic Oscillator and Discrete Mode Laser. , 2021, , .		0
12	Optical Comb Generator-based Microwave Photonic Filter Performance Improvement Using Multilayer Perceptron (MLP) Neural Network. , 2021, , .		0
13	A Deep Neural Network Equalizer for FSO Transmission System. , 2021, , .		1
14	Prediction of THz Absorption and Inverse Design of Graphene-Based Metasurface Structure Using Deep Learning. , 2021, , .		2
15	A Full Field-of-View Self-Steering Beamformer for 5G mm-Wave Fiber-Wireless Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 1221-1229.	4.6	32
16	FBG Sensor Signal Detection Technique Using Multilayer Perceptron Approach for Internet of Things (IoT) Application. , 2020, , .		2
17	A Simplified Radio-Over-Fiber System for Over 100-km Long-Reach n-QAM Transmission. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	8
18	Enhancement of the Multiplexing Capacity and Measurement Accuracy of FBG Sensor System Using IWDM Technique and Deep Learning Algorithm. Journal of Lightwave Technology, 2020, 38, 1589-1603.	4.6	30

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19	Using a Machine Learning Algorithm Integrated with Data De-Noiseing Techniques to Optimize the Multipoint Sensor Network. <i>Sensors</i> , 2020, 20, 1070.	3.8	25
20	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. <i>Journal of Lightwave Technology</i> , 2020, 38, 5302-5310.	4.6	13
21	Design of Flexible Fronthaul Featuring Per-UE Granularity and RU-level Puncturing for URLLC Applications. , 2020, , .		0
22	RF Fading Circumvention Using a Polarization Modulator for Supporting W-Band RoF Transport from 85 to 95 GHz. , 2020, , .		2
23	Long-distance FBG Sensor System for Remote Sensing and Internet of Things (IoT) Applications. , 2020, , .		2
24	Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. <i>Journal of Lightwave Technology</i> , 2019, 37, 1424-1433.	4.6	23
25	Simple Multi-RAT RoF System With 2×2 MIMO Wireless Transmission. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1025-1028.	2.5	8
26	4×100 Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 755-758.	2.5	28
27	Towards Dynamic 5G Networks Utilizing Flexible Function Split. , 2019, , .		0
28	Reliable Multi-user Uplinks in Fiber-Wireless Integrated Network using Quasi-orthogonal Chirp Spreading OFDM. , 2019, , .		0
29	Hybrid transmission of unicast and broadcast signals without optical filter for WDM systems. <i>Optical Fiber Technology</i> , 2019, 47, 172-177.	2.7	5
30	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 54-57.	2.5	23
31	Bandwidth-Enhanced PAM-4 Transmissions Using Polarization Modulation and Direct Detection With a Tunable Frequency Range. <i>Journal of Lightwave Technology</i> , 2019, 37, 1014-1022.	4.6	8
32	Real-Time FPGA Demonstration of Hybrid Bi-directional MMW and FSO Fronthaul Architecture. , 2019, , .		12
33	Elastic Optical Transmission of 50 Gb/s/ λ OFDM based Mobile Fronthaul via DSP-aided Sub-band Spreading. , 2019, , .		0
34	A 4-channel Beamformer for 9-Gb/s MMW 5G Fixedwireless Access over 25-km SMF with Bit-loading OFDM. , 2019, , .		3
35	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems. , 2018, , .		8
36	Grand Challenges of Fiber Wireless Convergence for 5G Mobile Data Communications. , 2018, , .		10

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37	Extreme Mobile Broadband Tier-II Fronthaul Network Enabled by a New DNN Machine Learning Framework. , 2018, , .		1
38	An Effective Artificial Neural Network Equalizer with S-shape Activation Function for High-speed 16-QAM Transmissions using Low-cost Directly Modulated Laser. , 2018, , .		2
39	An Artificial Neural Network MIMO Demultiplexer for Small-Cell MM-Wave RoF Coordinated Multi-Point Transmission System. , 2018, , .		2
40	Broadband IF-Over-Fiber Transmission Based on a Polarization Modulator. IEEE Photonics Technology Letters, 2018, 30, 2087-2090.	2.5	4
41	Intensity and Wavelength Division Multiplexing FBG Sensor System Using a Raman Amplifier and Extreme Learning Machine. Journal of Sensors, 2018, 2018, 1-11.	1.1	22
42	An Ultra-Reliable MMW/FSO A-RoF System Based on Coordinated Mapping and Combining Technique for 5G and Beyond Mobile Fronthaul. Journal of Lightwave Technology, 2018, 36, 4952-4959.	4.6	48
43	A Long-Distance Millimeter-Wave RoF System With a Low-Cost Directly Modulated Laser. IEEE Photonics Technology Letters, 2018, 30, 1396-1399.	2.5	17
44	Dual-Output Mach-Zehnder Modulator for Optical Access Networks. Fiber and Integrated Optics, 2018, 37, 256-263.	2.5	2
45	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. IEEE Photonics Technology Letters, 2018, 30, 1511-1514.	2.5	20
46	Integration of Multivariate Gaussian Mixture Model for Enhanced PAM-4 Decoding Employing Basis Expansion. , 2018, , .		13
47	Real-Time Demonstration of Adaptive Functional Split in 5G Flexible Mobile Fronthaul Networks. , 2018, , .		23
48	Realization of Tunable Frequency Response in Polarization Modulation and Direct Detection Scheme for High-speed Optical Access System. , 2018, , .		4
49	4Å–100G PAM-4 Transmission in Faster-than-Nyquist Systems Incorporating Eigenvalue-Space Precoding. , 2018, , .		1
50	Spectrum-efficient 50-Gbps Long-Range Optical Access over 85-km SSMF via DML Using Windowed OFDM Supporting Quasi-Gapless Asynchronous Multiband Transmission. , 2018, , .		2
51	Tunable C- and L-band laser source based on colorless laser diode. Laser Physics Letters, 2017, 14, 035806.	1.4	5
52	A 12 GHz wavelength spacing multi-wavelength laser source for wireless communication systems. Optics and Laser Technology, 2017, 93, 175-179.	4.6	13
53	Microwave Frequency Quadrupling Based on Distributed Feedback Laser and a Single Intensity Modulator. Fiber and Integrated Optics, 2017, 36, 196-202.	2.5	2
54	Simultaneous transmission of wired and wireless signals based on double sideband carrier suppression. Optical Fiber Technology, 2017, 38, 108-112.	2.7	5

#	ARTICLE	IF	CITATIONS
55	Long-distance sensing fiber sensor system using broadband source and Raman amplifier. , 2017, , .		1
56	High speed tunable filter for wavelength-division multiplexing communication systems. , 2017, , .		0
57	Multi-wavelength laser based on SOA and polarization maintaining fiber for WDM systems. , 2017, , .		5
58	A directly modulated distributed feedback laser for millimeter-wave signal generation. , 2017, , .		0
59	Multi-wavelength generation? Based on RSOA for passive optical networks. , 2017, , .		0
60	Hybrid unicast/broadcast transmitter for next generation optical access networks. , 2017, , .		0
61	Long-Reach MMWoF Using Single-Sideband Modulated Dual-Mode VCSEL with 16-QAM OFDM at 8 Gbit/s. , 2017, , .		4
62	Multiwavelength Laser With Adjustable Ultranarrow Wavelength Spacing. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	5
63	A 50 m/40 Gbps 680-nm VCSEL-based FSO communication. , 2016, , .		2
64	Multiwavelength Laser Module Based on Distribute Feedback Laser Diode for Broadcast and Communication Systems. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	5
65	FTTH and Two-Band RoF Transport Systems Based on an Optical Carrier and Colorless Wavelength Separators. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	8
66	A 50-m/40 Gb/s 680-nm VCSEL-Based FSO Communication. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	14
67	Hybrid CATV/MMW/BB lightwave transmission system based on fiber-wired/fiber-wireless/fiber-VLLC integrations. Optics Express, 2015, 23, 31807.	3.4	13
68	Erbiumâ€doped fiber laser for remote fiber grating sensor system. Microwave and Optical Technology Letters, 2015, 57, 2809-2813.	1.4	3
69	A 20-m/40-Gb/s 1550-nm DFB LD-Based FSO Link. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	20
70	A Distribute Feedback Laser Diode Composed Microwave Photonic Bandpass Filter for SCM-Based Optical Transport Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 309-314.	2.9	6
71	A Bidirectional Hybrid Lightwave Transport System Based on Fiber-IVLLC and Fiber-VLLC Convergences. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	15
72	A hybrid wireless-over-fiber transmission system based on multiple injection-locked FP LDs. , 2015, , .		0

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73	A bidirectional 60-GHz/30-GHz/15-GHz wireless-over-fiber transmission system. , 2015, , .		0
74	A 20-km/60-Gb/s Two-Way PON Based on Directly Modulated Two-Stage Injection-Locked 1.55- μm VCSEL Transmitters and Negative Dispersion Fibers. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	6
75	A Hybrid CATV/16-QAM-OFDM In-House Network Over SMF and GI-POF/VLC Transport. IEEE Photonics Technology Letters, 2015, 27, 526-529.	2.5	20
76	Cable television monitoring system based on fiber laser and FBG sensor. Proceedings of SPIE, 2015, , .	0.8	0
77	Hybrid OFDM and Radio-Over-Fiber Transport System Based on a Polarization Modulator. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	4
78	20-Gbps optical LiFi transport system. Optics Letters, 2015, 40, 3276.	3.3	38
79	Hybrid wireless-over-fiber transmission system based on multiple injection-locked FP LDs. Optics Express, 2015, 23, 19874.	3.4	3
80	A Bidirectional Wireless-Over-Fiber Transport System. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	3
81	Signal upconversion for a radio-over-fiber system with modulation types based on a frequency quadrupling technique. Microwave and Optical Technology Letters, 2014, 56, 1603-1610.	1.4	0
82	Employing injection-locked FP LDs to set up a hybrid CATV/MW/MMW WDM light wave transmission system. Optics Letters, 2014, 39, 3931.	3.3	9
83	DSBCS modulation scheme for hybrid wireless and cable television system. Optics Express, 2014, 22, 1135.	3.4	9
84	Optically controllable all-fiber based radio-frequency phase-shifter. , 2014, , .		0
85	Demonstration of optical frequency quadrupling combined with direct/external signal double-sideband suppressed-carrier modulation. Optics Communications, 2014, 317, 34-39.	2.1	9
86	Hexagonal Mesh Architecture for Large-Area Multipoint Fiber Sensor System. IEEE Photonics Technology Letters, 2014, 26, 1878-1881.	2.5	12
87	Double Sideband With Optical Carrier Suppression Scheme for Broadcasting Transmission. IEEE Photonics Technology Letters, 2014, 26, 1172-1175.	2.5	8
88	Switchable Multi-Wavelength Fiber Laser Based on Weak-Resonant-Cavity Fabry-Perot Laser Diode. , 2014, , .		2
89	Microwave Photonic Signal Processing Based on Tunable Multi-Wavelength Fiber Laser. , 2014, , .		5
90	Fast and slow light property improvement in erbium-doped amplifier. Laser Physics, 2013, 23, 015104.	1.2	0

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91	A distributed feedback laser for a tunable microwave photonic filter. <i>Laser Physics Letters</i> , 2013, 10, 075109.	1.4	3
92	Multiwavelength fiber laser for the fiber link monitoring system. <i>Optics and Laser Technology</i> , 2013, 51, 62-66.	4.6	24
93	Hybrid Wireline and Wireless Transport System Based on Polarization Modulator. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1069-1072.	2.5	6
94	Multi-Service Cable Television System Using a Single Wavelength. <i>IEEE Photonics Journal</i> , 2013, 5, 6601307-6601307.	2.0	3
95	Improvement of a triple-wavelength erbium-doped fiber laser using a Fabry-Perot laser diode. <i>Laser Physics</i> , 2013, 23, 025105.	1.2	3
96	A fiber-optical cable television system using a reflective semiconductor optical amplifier. <i>Laser Physics</i> , 2013, 23, 025106.	1.2	8
97	Vertical-Cavity Surface-Emitting Laser for Tunable Microwave Photonic Filter. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 1701605-1701605.	2.9	1
98	A hybrid CATV/OFDM long-reach passive optical network architecture. <i>Optics Express</i> , 2012, 20, 4219.	3.4	8
99	Optical 16-QAM-52-OFDM transmission at 4 Gbit/s by directly modulating a coherently injection-locked colorless laser diode. <i>Optics Express</i> , 2012, 20, 20071.	3.4	59
100	Fiber Bragg Grating-Based Three-Dimensional Multipoint Ring-Mesh Sensing System With Robust Self-Healing Function. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1613-1620.	2.9	15
101	Coherently injection-locked weak-resonant-cavity laser diode for optical 16-QAM-OFDM transmission at 4 Gb/s. , 2012, , .		2
102	Wavelength switching based on quantum-dot vertical-cavity surface-emitting laser. <i>Laser Physics</i> , 2012, 22, 1373-1377.	1.2	2
103	Fiber-laser-based sensor system with bus-ring architecture. <i>Laser Physics</i> , 2012, 22, 1419-1424.	1.2	1
104	A stable multiwavelength SOA-based fiber ring laser with ultra-narrow wavelength spacing. <i>Laser Physics</i> , 2012, 22, 268-272.	1.2	8
105	Microwave transport systems that use semiconductor laser as radio-frequency amplifier. <i>Optics Communications</i> , 2012, 285, 2433-2438.	2.1	3
106	Novel optical add-drop multiplexer for wavelength-division-multiplexing networks. <i>Optics Communications</i> , 2012, 285, 3093-3099.	2.1	8
107	A Delta-Star-Based Multipoint Fiber Bragg Grating Sensor Network. <i>IEEE Sensors Journal</i> , 2011, 11, 875-881.	4.7	23
108	Beyond-Bandwidth Electrical Pulse Modulation of a TO-Can Packaged VCSEL for 10 Gbit/s Injection-Locked NRZ-to-RZ Transmission. <i>Journal of Lightwave Technology</i> , 2011, 29, 830-841.	4.6	28

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109	Clock-Free RZ-BPSK Data Generation Using Self-Starting Optoelectronic Oscillator. Journal of Lightwave Technology, 2011, 29, 1702-1707.	4.6	31
110	Hybrid CATV/16-QAM OFDM in-building networks over SMF and GI-POF transport. Optics Express, 2011, 19, 9575.	3.4	8
111	RoF transport systems with OSNR enhanced multi-band optical carrier generator. Optics Express, 2011, 19, 18516.	3.4	11
112	Hybrid cable television and orthogonal-frequency-division-multiplexing transport system basing on single wavelength polarization and amplitude remodulation schemes. Optics Letters, 2011, 36, 1716.	3.3	5
113	A novel hybrid three-band transport system based on a DFB LD with multi-wavelength output characteristic. , 2011, , .		0
114	Tunable erbium-doped fiber ring laser with signal-averaging function for fiber-optic sensing applications. Laser Physics, 2011, 21, 188-190.	1.2	9
115	Wavelength-tunable optical pulse generation from a fiber ring laser with a reflective semiconductor optical amplifier. Laser Physics, 2011, 21, 509-511.	1.2	4
116	SOA-based fiber ring laser use in a photonic radio-frequency phase shifter. Laser Physics, 2011, 21, 522-525.	1.2	4
117	A hybrid star-ring-bus architecture for WDM metropolitan-regional access networks. Microwave and Optical Technology Letters, 2011, 53, 102-108.	1.4	0
118	Novel Ring Protection Architecture for Fiber Sensor System. Japanese Journal of Applied Physics, 2011, 50, 082501.	1.5	3
119	Hybrid Cable Television/Radio-Over-Fiber Transport System Based on Polarization Modulation Technique. IEEE Photonics Technology Letters, 2011, 23, 860-862.	2.5	6
120	40 GHz tunable microwave photonic filter based on vertical-cavity surface-emitting laser. , 2011, , .		0
121	Simultaneous Modulation and Transmission of CATV and Radio-over-Fiber Signals. , 2011, , .		0
122	Novel Ring Protection Architecture for Fiber Sensor System. Japanese Journal of Applied Physics, 2011, 50, 082501.	1.5	2
123	Reliable Fiber Sensor System with Star-Ring-Bus Architecture. Sensors, 2010, 10, 4194-4205.	3.8	30
124	Electrically and Continuously Tunable Optical Delay Line Based on a Semiconductor Laser. Japanese Journal of Applied Physics, 2010, 49, 074102.	1.5	1
125	Multipoint Mesh Sensing System with Self-Healing Functionality. , 2010, , .		1
126	Polarization Characteristics of Quantum-Dot Vertical-Cavity Surface-Emitting Laser With Light Injection. IEEE Photonics Technology Letters, 2010, 22, 179-181.	2.5	6

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127	Three-Dimensional Mesh-Based Multipoint Sensing System With Self-Healing Functionality. IEEE Photonics Technology Letters, 2010, 22, 565-567.	2.5	19
128	A Full duplex radio-over-fiber link with Multi-level OFDM signal via a single-electrode MZM and wavelength reuse with RSOA. Optics Express, 2010, 18, 2710.	3.4	8
129	Direct CATV modulation and phase remodulated radio-over-fiber transport system. Optics Express, 2010, 18, 10301.	3.4	15
130	Simplified radio-over-fiber transport systems with a low-cost multiband light source. Optics Letters, 2010, 35, 4021.	3.3	15
131	Optical Millimeter-Wave Signal Generation Via Frequency 12-Tupling. Journal of Lightwave Technology, 2010, 28, 71-78.	4.6	113
132	Integrating Fiber-to-the-Home and POF In-Door Routing CATV Transport System. Journal of Lightwave Technology, 2010, 28, 1864-1869.	4.6	8
133	A Radio-Over-GI-POF Transport System. Journal of Lightwave Technology, 2010, 28, 1917-1921.	4.6	3
134	Polarization control of InAs quantum dot semiconductor laser using external light injection technique. , 2010, , .		0
135	High-capacity WDM regional access networks based on a hierarchical star-ring-bus architecture. , 2010, , .		0
136	Ring Topology Based Mesh Sensing System with Self-healing Function using FBGs and AWG. , 2010, , .		2
137	Full-Duplex CATV/ROF Transport System with Colorless Remodulation Scheme. , 2010, , .		0
138	Electrically controlled phase shifter using semiconductor laser in optical single sideband system. , 2009, , .		2
139	Optical Millimeter-Wave Up-Conversion Employing Frequency Quadrupling Without Optical Filtering. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2084-2092.	4.6	32
140	Dynamic Characteristics and Linewidth Enhancement Factor of Quantum-Dot Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 844-849.	2.9	3
141	Generation of optical millimeter-wave signals and vector formats using an integrated optical I/Q modulator [Invited]. Journal of Optical Networking, 2009, 8, 188.	2.5	28
142	WDM up-conversion employing frequency quadrupling in optical modulator. Optics Express, 2009, 17, 1726.	3.4	28
143	RF phase shifter using a distributed feedback laser in microwave transport systems. Optics Express, 2009, 17, 7609.	3.4	6
144	A continuously tunable and filterless optical millimeter-wave generation via frequency octupling. Optics Express, 2009, 17, 19749.	3.4	69

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145	Optically controllable side-polished fiber attenuator with photoresponsive liquid crystal overlay. Optics Express, 2009, 17, 19988.	3.4	40
146	Continuously Tunable Large-Dynamic-Range Radio-Frequency Phase Shifter Via a Soliton Self-Frequency-Shifted Source and a Dispersive Fiber. IEEE Photonics Technology Letters, 2009, 21, 313-315.	2.5	3
147	Fiber Bragg Grating Sensor System With Two-Level Ring Architecture. IEEE Sensors Journal, 2009, 9, 309-313.	4.7	31
148	Polarization Switching in 1.3- μ m Quantum Dot Vertical Cavity Surface Emitting Lasers. , 2009, , .		0
149	Tunable Photonic Microwave Filter using Slow Light in Vertical Cavity Surface Emitting Laser. , 2009, , .		0
150	Novel Optical Vector Signal Generation With Carrier Suppression and Frequency Multiplication Based on a Single-Electrode Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2008, 20, 2060-2062.	2.5	6
151	Cost-Effective Multiservices Hybrid Access Networks With no Optical Filter at Remote Nodes. IEEE Photonics Technology Letters, 2008, 20, 812-814.	2.5	17
152	Optical Millimeter-Wave Signal Generation Using Frequency Quadrupling Technique and No Optical Filtering. IEEE Photonics Technology Letters, 2008, 20, 1027-1029.	2.5	130
153	A Novel Direct Detection Microwave Photonic Vector Modulation Scheme for Radio-Over-Fiber System. IEEE Photonics Technology Letters, 2008, 20, 1106-1108.	2.5	35
154	Experimental demonstration of optical 5-Gb/s 16-QAM OFDM signal generation and wavelength reuse for 1.25-Gbit/s uplink signal. , 2008, , .		4
155	Impact of Nonlinear Transfer Function and Imperfect Splitting Ratio of MZM on Optical Up-Conversion Employing Double Sideband With Carrier Suppression Modulation. Journal of Lightwave Technology, 2008, 26, 2449-2459.	4.6	88
156	Chirp and error rate analyses of an optical-injection gain-switching VCSEL based all-optical NRZ-to-PRZ converter. Optics Express, 2008, 16, 4838.	3.4	17
157	Optical direct-detection OFDM signal generation for radio-over-fiber link using frequency doubling scheme with carrier suppression. Optics Express, 2008, 16, 6056.	3.4	56
158	Bit-error-rate and chirp analyses of a gain-switching VCSEL based all-optical NRZ-to-RZ converter. , 2008, , .		0
159	Experimental demonstration of optical colorless direct-detection OFDM signals with 16- and 64-QAM formats beyond 15 Gb/s. , 2008, , .		2
160	Measurement of linewidth enhancement factor in 1.3- μ m quantum dot and quantum well vertical-cavity surface-emitting lasers. , 2008, , .		0
161	Fast Light Improvement using Periodic Bending of Erbium-Doped Fiber. , 2008, , .		0
162	Transmission Improvement in Fiber Radio Links using Semiconductor Laser. , 2008, , .		0

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163	Generation of Carrier Suppressed Optical mm-wave Signals using Frequency Quadrupling and no Optical Filtering. , 2008, , .		14
164	Hybrid access networks integrated with wireline and wireless services without optical filtering at remote nodes. , 2008, , .		0
165	A simple model for cavity enhanced slow lights in vertical cavity surface emission lasers. Journal of Optics, 2008, 10, 044016.	1.5	4
166	Tunable slow light in semiconductor optical amplifier without external pump laser. , 2008, , .		0
167	40GHz Phase Shifter based on Semiconductor Laser. Electronics Letters, 2008, 44, 520.	1.0	3
168	Improvement of transmission in fibre wireless system using semiconductor laser amplifier. Electronics Letters, 2008, 44, 298.	1.0	2
169	Distributed Feedback Laser in External Light Injection Scheme for Tunable Slow Light. Japanese Journal of Applied Physics, 2008, 47, 4600-4601.	1.5	2
170	Relative Intensity Noise Characteristics of Long-Wavelength Quantum Dot Vertical-Cavity Surface-Emitting Lasers. Japanese Journal of Applied Physics, 2008, 47, 6357-6358.	1.5	3
171	Generation of Direct-Detection Optical OFDM Signal for Radio-Over-Fiber Link using Frequency Doubling Scheme with Carrier Suppression. , 2008, , .		5
172	WDM optical colorless millimeter-wave up-conversion using frequency quadrupling. , 2008, , .		0
173	Tunable slow light in quantum well vertical-cavity surface-emitting laser at 40 ghz. , 2008, , .		1
174	Optical vector signal generation using double sideband with carrier suppression and frequency multiplication. , 2008, , .		1
175	Tunable Slow Light using Quantum Dot VCSEL for Subcarrier Multiplexed System. , 2007, , .		1
176	Simultaneous Modulation and Transmission of FTTH Baseband and Radio Signals on a Single Wavelength. , 2007, , .		1
177	Tunable Ultrafast and Ultraslow Light in Erbium Doped Waveguide at Room Temperature. , 2007, , .		0
178	Modeling of Slow Light in Vertical Cavity Surface Emission Lasers. , 2007, , .		0
179	Hybrid Optical Access Network Integrating Baseband and Radio Signals Transmitted on a Single Wavelength. , 2007, , .		0
180	Hybrid Optical Access Network Integrating Fiber-to-the-Home and Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2007, 19, 610-612.	2.5	149

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181	Reliable architecture for high-capacity fiber-radio systems. <i>Optical Fiber Technology</i> , 2007, 13, 236-239.	2.7	12
182	Slow Light in Quantum Dot Semiconductor Laser for Photonic RF Phase Shifter. , 2007, , .		1
183	Dynamic characteristics of quantum dot VCSEL with external light injection. , 2006, , .		0
184	Single-mode monolithic quantum-dot VCSEL in 1.3 μm with sidemode suppression ratio over 30 dB. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 847-849.	2.5	39
185	OCDMA light source using directly modulated Fabry-Peacute/rot laser diode in an external injection scheme. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1103-1105.	2.5	7
186	Simultaneous Generation of Baseband and Radio Signals Using Only One Single-Electrode Mach–Zehnder Modulator With Enhanced Linearity. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2481-2483.	2.5	67
187	Dynamic characteristics of long-wavelength quantum dot vertical-cavity surface-emitting lasers with light injection. <i>Optics Express</i> , 2006, 14, 2944.	3.4	13
188	Tunable slow light device using quantum dot semiconductor laser. <i>Optics Express</i> , 2006, 14, 12880.	3.4	18
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