

# Chang-Hee Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

771  
citations

516710

16  
h-index

552781

26  
g-index

80  
all docs

80  
docs citations

80  
times ranked

388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutual Interferences of a True-Random LiDAR With Other LiDAR Signals. IEEE Access, 2020, 8, 124123-124133.	4.2	22
2	Pixel-Level Bird View Image Generation from Front View by Using a Generative Adversarial Network. , 2020, , .		1
3	An Improved ICP Registration Algorithm by Combining PointNet++ and ICP Algorithm. , 2020, , .		7
4	Secure Communication using Anti-correlated Noise from an ASE-injected F-P LD. , 2018, , .		1
5	Injection seeding technologies and their applications. , 2018, , .		1
6	Injection Locked Triple Contact Fâ€P LDs for Uncooled WDM Systems. IEEE Photonics Technology Letters, 2018, 30, 213-216.	2.5	3
7	A novel switchable microwave photonic filter. , 2017, , .		0
8	Feed Forward Noise Suppression for ASE-Seeded WDM Systems. Journal of Lightwave Technology, 2016, 34, 2297-2303.	4.6	5
9	Injection-locked dual fabry-perot laser diodes for interferometric noise suppression. , 2015, , .		0
10	Tunable wavelength filters based on dual polymer Bragg gratings and a mode sorting waveguide. , 2015, , .		0
11	A 2.5-Gb/s per channel DWDM-PON with a pulsed-ASE seed light source. , 2015, , .		0
12	Effect of Noise Distribution in a WDM System Seeded by a Spectrum-Sliced ASE. Journal of Lightwave Technology, 2014, 32, 2271-2276.	4.6	3
13	Flexible Polymeric Tunable Lasers for WDM Passive Optical Networks. Journal of Lightwave Technology, 2013, 31, 982-987.	4.6	7
14	Modeling of Seeded Reflective Modulators for DWDM Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-7.	2.9	49
15	Broadcast signal transmission for WDM-PON with mutually injected Fabry-Perot laser diode. , 2012, , .		0
16	Mitigation of filtering effect in an injection seeded WDM-PON. , 2012, , .		2
17	Feed Forward Noise Suppression in Injection Seeded WDM-PON With ASE. IEEE Photonics Technology Letters, 2012, 24, 1270-1272.	2.5	2
18	Reflection Considerations in Seeded DWDM Transmission Links. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	High-Capacity DWDM-PON Using Triple-Contact F-P LDs. IEEE Photonics Technology Letters, 2011, 23, 127-129.	2.5	7
20	Lasing wavelength shift of ASE-injected wavelength-locked F-P LD in WDM-PON. Microwave and Optical Technology Letters, 2011, 53, 1522-1524.	1.4	0
21	A cost-effective WDM-PON using a multiple contact Fabry-Perot laser diode. , 2010, , .		1
22	A WDM-PON with an 80 Gb/s capacity based on wavelength-locked polarisation independent Fabry-Perot laser diode. , 2010, , .		1
23	A Cost-Effective WDM-PON Using a Multiple Section Fabry-Perot Laser Diode. IEEE Photonics Technology Letters, 2010, , .	2.5	1
24	Seamless Upgrades From a TDM-PON With a Video Overlay to a WDM-PON. Journal of Lightwave Technology, 2009, 27, 3116-3123.	4.6	12
25	Seamless Maintenance and Protection Scheme for Next-Generation Access Networks. IEEE Photonics Technology Letters, 2009, 21, 799-801.	2.5	2
26	Colorless optical sources for WDM-PON. , 2009, , .		1
27	Optical noise suppression techniques for wavelength-locked Fabry-Perot laser diode. , 2009, , .		1
28	An Automatic Wavelength Control Method of a Tunable Laser for a WDM-PON. IEEE Photonics Technology Letters, 2009, 21, 325-327.	2.5	20
29	A Simple and Color-Free WDM-Passive Optical Network Using Spectrum-Sliced Fabry-Perot Laser Diodes. IEEE Photonics Technology Letters, 2008, 20, 220-222.	2.5	16
30	An Evolution Method From a TDM-PON With a Video Overlay to a WDM-PON. IEEE Photonics Technology Letters, 2008, 20, 312-314.	2.5	8
31	A Low-Noise Broadband Light Source for a WDM-PON Based on Mutually Injected Fabry-Perot Laser Diodes With RF Modulation. IEEE Photonics Technology Letters, 2008, 20, 2072-2074.	2.5	3
32	Reliable Wavelength-Division-Multiplexed Passive Optical Network Using Novel Protection Scheme. IEEE Photonics Technology Letters, 2008, 20, 679-681.	2.5	27
33	A Remotely Reconfigurable Remote Node for Next-Generation Access Networks. IEEE Photonics Technology Letters, 2008, 20, 915-917.	2.5	13
34	Measurement of Facet Reflectivity Through Reflection Gain in Fabry-Perot Laser Diode. IEEE Photonics Technology Letters, 2008, 20, 1225-1227.	2.5	0
35	Intensity Noise in a Wavelength-Locked Fabry-Perot Laser Diode to a Spectrum Sliced ASE. IEEE Journal of Quantum Electronics, 2008, 44, 209-215.	1.9	10
36	Noise Characteristics of a Wavelength-Locked Fabry-Perot Laser Diode. IEEE Journal of Quantum Electronics, 2008, 44, 995-1002.	1.9	17

#	ARTICLE	IF	CITATIONS
37	A WDM-PON with a 40 Gb/s capacity based on wavelength-locked Fabry-Perot laser diodes. , 2008, , .		4
38	Evolution methods for next-generation access networks with reconfigurable remote nodes. , 2008, , .		0
39	A self wavelength managed tunable laser for WDM-PONs. , 2008, , .		0
40	Low-noise broadband light source with a RF modulation for a large capacity and high bit-rate WDM-PON. , 2008, , .		1
41	An Efficient Evolution Method from a TDM-PON with a Video Overlay to NGA. , 2008, , .		1
42	Survivable network architecture for colorless WDM-PON against both feeder and distribution fiber failures. , 2008, , .		0
43	Protection Architecture for Colorless DWDM Passive Optical Networks. , 2008, , .		0
44	Long-Reach Wavelength Division Multiplexing-Passive Optical Networks (WDM-PONs). , 2007, , .		0
45	A low cost WDM-PON using spectrum sliced F-P LDs with Cyclic Arrayed Waveguide Gratings. , 2007, , .		2
46	An Efficient Evolution Method of Current TDM-PON for Next-Generation Access. , 2007, , .		0
47	Analytic expressions of the modulation response and the relative intensity noise of a wavelength-locked F-P LD. , 2007, , .		0
48	Effects of back-reflection in WDM-PONs based on injected seed light. , 2007, , .		0
49	A Self-restorable Colorless Bidirectional WDM-PON based on ASE-injected FP-LDs. , 2007, , .		1
50	Demonstration of a Long-Reach DWDM-PON for Consolidation of Metro and Access Networks. Journal of Lightwave Technology, 2007, 25, 271-276.	4.6	69
51	Demonstration of a Bidirectional 80-km-Reach DWDM-PON With 8-Gb/s Capacity. IEEE Photonics Technology Letters, 2007, 19, 405-407.	2.5	37
52	An Efficient Evolution Method From TDM-PON to Next-Generation PON. IEEE Photonics Technology Letters, 2007, 19, 647-649.	2.5	30
53	A WDM-PON Employing Fabry-Perot Laser Diodes Without a Seed Light Injection. IEEE Photonics Technology Letters, 2007, 19, 1729-1731.	2.5	4
54	Effects of Back-Reflection in WDM-PONs Based on Seed Light Injection. IEEE Photonics Technology Letters, 2007, 19, 2045-2047.	2.5	44

#	ARTICLE	IF	CITATIONS
55	Color-free operation of dense WDM-PON based on the wavelength-locked fabry-Pe/spl acute/rot laser diodes injecting a low-noise BLS. IEEE Photonics Technology Letters, 2006, 18, 1167-1169.	2.5	21
56	Hybrid WDM/SCMA-PON using wavelength-locked fabry-Pe/spl acute/rot laser diodes. IEEE Photonics Technology Letters, 2006, 18, 1585-1587.	2.5	8
57	Laser spectral envelope control using a double contact fabry-Perot laser diode for WDM-PON. IEEE Photonics Technology Letters, 2006, 18, 2132-2134.	2.5	8
58	Fault-localization in WDM-PONs. , 2006, , .		7
59	Consolidation of a metro network into an access network based on long-reach DWDM-PON. , 2006, , .		6
60	Large-capacity hybrid WDM/SCMA-PON using wavelength-locked Fabry-Perot laser diodes. , 2006, , .		1
61	Dense WDM-PON based on wavelength locked Fabry-Perot lasers. , 2005, , .		3
62	Passive optical networks for FTTx applications. , 2005, , .		3
63	The efficient clock-extraction methods of NRZ signal for chromatic dispersion monitoring. IEEE Photonics Technology Letters, 2005, 17, 1100-1102.	2.5	11
64	A method of lifeline communication in WDM passive optical networks. IEEE Photonics Technology Letters, 2005, 17, 1124-1126.	2.5	5
65	Dense WDM-PON based on wavelength-locked Fabry-Pe/spl acute/rot laser diodes. IEEE Photonics Technology Letters, 2005, 17, 1579-1581.	2.5	81
66	A theoretical model of a wavelength-locked Fabry-Pe/spl acute/rot laser diode to the externally injected narrow-band ASE. IEEE Photonics Technology Letters, 2005, 17, 1797-1799.	2.5	28
67	Broad-band light source using mutually injected Fabry-Pe/spl acute/rot laser diodes for WDM-PON. IEEE Photonics Technology Letters, 2005, 17, 2529-2531.	2.5	36
68	Wavelength Self-Managed Optical WDM Source Using Polarization-Multiplexed Fabry-Perot Laser Diodes. IEEE Photonics Technology Letters, 2004, 16, 2347-2349.	2.5	4
69	Automatic gain-controlled bidirectional add-drop amplifier for dynamically reconfigurable bidirectional WDM networks. IEEE Photonics Technology Letters, 2003, 15, 135-137.	2.5	3
70	Bidirectional WDM self-healing ring network for hub/remote nodes. IEEE Photonics Technology Letters, 2003, 15, 1657-1659.	2.5	19
71	Analysis of penalty due to low-frequency intensity modulation in optical transmission systems. Journal of Lightwave Technology, 2003, 21, 3300-3307.	4.6	2
72	Capacities of WDM transmission systems and networks limited by stimulated Raman scattering. IEEE Photonics Technology Letters, 2001, 13, 379-381.	2.5	8

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73	Wavelength interleaved bidirectional add/drop amplifier module. IEEE Photonics Technology Letters, 2000, 12, 326-328.	2.5	11
74	A novel bidirectional add/drop amplifier (BADA). IEEE Photonics Technology Letters, 1998, 10, 1118-1120.	2.5	18
75	Bidirectional WDM self-healing ring network based on simple bidirectional add/drop amplifier modules. IEEE Photonics Technology Letters, 1998, 10, 1340-1342.	2.5	28
76	Passive optical network for microcellular CDMA personal communication service. IEEE Photonics Technology Letters, 1998, 10, 1641-1643.	2.5	16
77	Bidirectional WDM self-healing ring network based on simple bidirectional add/drop amplifier modules. , 0, , .		1
78	Analysis of ultimate capacity and transparency cost of all-optical transport networks based on node throughput. , 0, , .		0
79	Optical path monitoring and path dependent loss compensation for optical cross-connect systems. , 0, , .		1
80	Optical path monitoring based on the identification of optical cross-connect input ports. , 0, , .		6