

Keang-Po Ho

List of Publications by Year in descending order

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citations

185998

28
h-index

174990

52
g-index

99
all docs

99
docs citations

99
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing Mode-Dependent Loss and Gain in Multimode Components. Journal of Lightwave Technology, 2018, 36, 3815-3823.	2.7	27
2	Group Delay Management and Multiinput Multioutput Signal Processing in Mode-Division Multiplexing Systems. Journal of Lightwave Technology, 2016, 34, 2867-2880.	2.7	50
3	Group delay statistics and management in mode-division multiplexing. , 2015, , .		0
4	Delay Spread Reduction in Mode-Division Multiplexing: Mode Coupling Versus Delay Compensation. Journal of Lightwave Technology, 2015, 33, 4504-4512.	2.7	22
5	Optical network scaling: roles of spectral and spatial aggregation. Optics Express, 2014, 22, 29868.	1.7	33
6	Wavelength-Selective Switches for Mode-Division Multiplexing: Scaling and Performance Analysis. Journal of Lightwave Technology, 2014, 32, 4326-4337.	2.7	13
7	Linear Propagation Effects in Mode-Division Multiplexing Systems. Journal of Lightwave Technology, 2014, 32, 614-628.	2.7	113
8	MIMO Signal Processing for Mode-Division Multiplexing: An overview of channel models and signal processing architectures. IEEE Signal Processing Magazine, 2014, 31, 25-34.	4.6	117
9	Mode Coupling and its Impact on Spatially Multiplexed Systems. , 2013, , 491-568.		82
10	Equalization-Enhanced Phase Noise in Mode-Division Multiplexed Systems. Journal of Lightwave Technology, 2013, 31, 2237-2243.	2.7	20
11	Mode Coupling Effects in Multi-Mode Fibers. , 2012, , .		26
12	Delay-Spread Distribution for Multimode Fiber With Strong Mode Coupling. IEEE Photonics Technology Letters, 2012, 24, 1906-1909.	1.3	30
13	Mode coupling in coherent mode-division-multiplexed systems: Impact on capacity and signal processing complexity. , 2012, , .		0
14	Exact Model for Mode-Dependent Gains and Losses in Multimode Fiber. Journal of Lightwave Technology, 2012, 30, 3603-3609.	2.7	16
15	Effects of Homodyne Crosstalk on Dual-Polarization QPSK Signals. Journal of Lightwave Technology, 2011, 29, 124-131.	2.7	16
16	Statistics of Group Delays in Multimode Fiber With Strong Mode Coupling. Journal of Lightwave Technology, 2011, 29, 3119-3128.	2.7	222
17	Frequency Diversity in Mode-Division Multiplexing Systems. Journal of Lightwave Technology, 2011, 29, 3719-3726.	2.7	48
18	Mode-dependent loss and gain: statistics and effect on mode-division multiplexing. Optics Express, 2011, 19, 16612.	1.7	292

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19	Equalization-enhanced phase noise induced timing jitter. Optics Letters, 2011, 36, 585.	1.7	21
20	Cross-Phase Modulation-Induced Nonlinear Phase Noise for Quadrature-Phase-Shift-Keying Signals. , 2011, , 325-341.		0
21	Equalization-enhanced phase noise for 100Gb/s transmission and beyond with coherent detection. , 2010, , .		1
22	Equalization-enhanced phase noise for 100Gb/s transmission and beyond with coherent detection. Optics Express, 2010, 18, 17239.	1.7	59
23	Equalization Enhanced Phase Noise Interference in Coherent Optical Communications. , 2010, , .		0
24	Maximum-Likelihood Power Estimation for Clipped Signals. IEEE Signal Processing Letters, 2009, 16, 569-571.	2.1	4
25	Effects of chromatic dispersion on optical coherent-detection systems. IEEE Transactions on Communications, 2008, 56, 1422-1424.	4.9	5
26	Coherent Optical OFDM Transmitter Design Employing Predistortion. IEEE Photonics Technology Letters, 2008, 20, 954-956.	1.3	44
27	Equalization-enhanced phase noise for coherent-detection systems using electronic digital signal processing. Optics Express, 2008, 16, 15718.	1.7	159
28	Soft-Decoding of Low-Density Parity Check Codes for DPSK Signals. , 2007, , .		6
29	Exact analysis of a balanced receiver for differential phase-shift keying signals. Optics Letters, 2007, 32, 472.	1.7	9
30	Effect of dispersion on nonlinear phase noise. Optics Letters, 2006, 31, 2109.	1.7	25
31	Cross-phase Modulation-induced crosstalk for RZ-DPSK signals in dispersive transmission systems. Journal of Lightwave Technology, 2006, 24, 396-403.	2.7	15
32	Phase and Amplitude Responses of Narrowband Optical Filter Measured by Microwave Network Analyzer. Journal of Lightwave Technology, 2006, 24, 5075-5081.	2.7	4
33	Low Noise-figure Miniature Erbium-doped Fibre Amplifier using Uncooled Pump Laser. Optical and Quantum Electronics, 2006, 38, 625-631.	1.5	0
34	Mid-span compensation of nonlinear phase noise. Optics Communications, 2005, 245, 391-398.	1.0	12
35	Performance of DPSK Signals With Quadratic Phase Noise. IEEE Transactions on Communications, 2005, 53, 1361-1365.	4.9	8
36	Generation of arbitrary quadrature signals using one dual-drive Modulator. Journal of Lightwave Technology, 2005, 23, 764-770.	2.7	75

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37	Analysis of direct-detection DPSK signal with homodyne crosstalk. Journal of Lightwave Technology, 2005, 23, 2681-2686.	2.7	10
38	Optimal detection of solitons with timing jitter. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2164.	0.9	1
39	Error probability of DPSK signals with intrachannel four-wave mixing in highly dispersive transmission systems. IEEE Photonics Technology Letters, 2005, 17, 789-791.	1.3	16
40	Exact evaluation of the capacity for intensity-modulated direct-detection channels with optical amplifier noises. IEEE Photonics Technology Letters, 2005, 17, 858-860.	1.3	24
41	Comparison of nonlinear phase noise and intrachannel four-wave mixing for RZ-DPSK signals in dispersive transmission systems. IEEE Photonics Technology Letters, 2005, 17, 1426-1428.	1.3	23
42	Electric field characterization for phase-Modulated signals using measured spectrogram. IEEE Photonics Technology Letters, 2005, 17, 2143-2145.	1.3	2
43	Impact of nonlinear phase noise to DPSK signals: experimental verification of a simplified theoretical model. IEEE Photonics Technology Letters, 2005, 17, 2236-2238.	1.3	3
44	Error Probability of DPSK Signals With Cross-Phase Modulation Induced Nonlinear Phase Noise. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 421-427.	1.9	59
45	Spectral Efficiency Limits and Modulation/Detection Techniques for DWDM Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 259-272.	1.9	261
46	The Effect of Interferometer Phase Error on Direct-Detection DPSK and DQPSK Signals. IEEE Photonics Technology Letters, 2004, 16, 308-310.	1.3	45
47	Impact of Nonlinear Phase Noise to DPSK Signals: A Comparison of Different Models. IEEE Photonics Technology Letters, 2004, 16, 1403-1405.	1.3	28
48	Phase statistics of the soliton. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 266.	0.9	6
49	Spectrum of Externally Modulated Optical Signals. Journal of Lightwave Technology, 2004, 22, 658-663.	2.7	38
50	Electronic Compensation Technique to Mitigate Nonlinear Phase Noise. Journal of Lightwave Technology, 2004, 22, 779-783.	2.7	120
51	The optimal compensator for nonlinear phase noise. Optics Communications, 2003, 221, 419-425.	1.0	9
52	Compensation improvement of DPSK signal with nonlinear phase noise. IEEE Photonics Technology Letters, 2003, 15, 1216-1218.	1.3	26
53	Performance degradation of phase-modulated systems due to nonlinear phase noise. IEEE Photonics Technology Letters, 2003, 15, 1213-1215.	1.3	43
54	Polarization Control Technique to Reduce, Power Penalty in Tri-Directional, Transmission Systems. Fiber and Integrated Optics, 2003, 22, 275-282.	1.7	0

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55	Asymptotic probability density of nonlinear phase noise. Optics Letters, 2003, 28, 1350.	1.7	37
56	Non-Gaussian statistics of soliton timing jitter induced by amplifier noise. Optics Letters, 2003, 28, 2165.	1.7	8
57	Probability density of nonlinear phase noise. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1875.	0.9	48
58	<title>Advanced modulation and signal processing techniques for 40-Gb/s optical transmission systems</title>. , 2002, , .		8
59	A bottleneck for optical fibres. Nature, 2001, 411, 1007-1009.	13.7	54
60	Optimal soft decoding for combined trellis-coded quantization/modulation. IEEE Transactions on Communications, 2000, 48, 901-904.	4.9	14
61	Performance verification of a variable bit-rate limiter for on-off keying (OOK) optical systems. Journal of Lightwave Technology, 2000, 18, 779-786.	2.7	3
62	Statistical properties of stimulated Raman crosstalk in WDM systems. Journal of Lightwave Technology, 2000, 18, 915-921.	2.7	73
63	Modeling of waveform distortion due to optical filtering. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 223-226.	1.9	13
64	Limitation of stimulated Raman scattering cancellation in WDM systems via spectral inversion. IEEE Photonics Technology Letters, 2000, 12, 998-1000.	1.3	3
65	High-resolution measurement and spectral overlap of cross-phase modulation induced spectral broadening. IEEE Photonics Technology Letters, 2000, 12, 1534-1536.	1.3	4
66	Spectral density of cross-phase modulation induced phase noise. Optics Communications, 1999, 169, 63-68.	1.0	11
67	Experimental investigation of wavelength-tunable WADM and OXC devices using strain-tunable fiber Bragg gratings. Optics Communications, 1999, 169, 75-80.	1.0	7
68	Reconfigurable WDM add/drop multiplexer based on optical switches and fibre Bragg gratings. Optical and Quantum Electronics, 1999, 31, 77-83.	1.5	2
69	Soft-decoding vector quantizer using reliability information from turbo-codes. IEEE Communications Letters, 1999, 3, 208-210.	2.5	14
70	Fiber-fault identification for branched access networks using a wavelength-sweeping monitoring source. IEEE Photonics Technology Letters, 1999, 11, 614-616.	1.3	45
71	Dynamic power-equalized EDFA module based on strain tunable fiber Bragg gratings. IEEE Photonics Technology Letters, 1999, 11, 797-799.	1.3	41
72	High-dynamic-range optical cross-connect device using fiber Bragg gratings. IEEE Photonics Technology Letters, 1999, 11, 1054-1056.	1.3	9

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73	Analysis and measurement of root-mean-squared bandwidth of cross-phase-modulation-induced spectral broadening. IEEE Photonics Technology Letters, 1999, 11, 1126-1128.	1.3	12
74	Analysis of homodyne crosstalk in optical networks using Gram-Charlier series. Journal of Lightwave Technology, 1999, 17, 149-154.	2.7	50
75	Joint design of a channel-optimized quantizer and multicarrier modulation. IEEE Transactions on Communications, 1998, 46, 1254-1257.	4.9	3
76	Analysis of co-channel crosstalk interference in optical networks. Electronics Letters, 1998, 34, 383.	0.5	21
77	Hybrid wavelength-division-multiplexing systems for high-capacity digital and analog video trunking applications. IEEE Photonics Technology Letters, 1998, 10, 297-299.	1.3	31
78	Exact analysis of homodyne crosstalk induced penalty in WDM networks. IEEE Photonics Technology Letters, 1998, 10, 457-458.	1.3	92
79	Demultiplexer crosstalk rejection requirements for hybrid WDM system with analog and digital channels. IEEE Photonics Technology Letters, 1998, 10, 737-739.	1.3	22
80	Multichannel add/drop and cross-connect using fibre Bragg gratings and optical switches. Electronics Letters, 1998, 34, 1601.	0.5	25
81	Eight-channel bidirectional WDM add/drop multiplexer. Electronics Letters, 1998, 34, 947.	0.5	6
82	Efficient photonic mixer with frequency doubling. IEEE Photonics Technology Letters, 1997, 9, 511-513.	1.3	14
83	Performance analysis of optical transmission system with polarization-mode dispersion and forward error correction. IEEE Photonics Technology Letters, 1997, 9, 1288-1290.	1.3	22
84	Multichannel bidirectional transmission using a WDM MUX/DMUX pair and unidirectional in-line amplifiers. IEEE Photonics Technology Letters, 1997, 9, 1664-1666.	1.3	19
85	On models of clipping distortion for lightwave CATV systems. IEEE Photonics Technology Letters, 1996, 8, 125-126.	1.3	11
86	Crosstalk rejection requirements for hybrid WDM system with analog and digital channels. , 0, , .		0
87	Proposed fiber Bragg gratings integrated optical switches for wavelength cross-connect in WDM networks. , 0, , .		0
88	Broadband access using subcarrier multiplexing and asymmetric digital subscriber lines. , 0, , .		0
89	Unequal error protection based on OFDM and its application in digital audio transmission. , 0, , .		4
90	Simple DCT-based speech coder for Internet applications. , 0, , .		0

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91	Fiber Bragg gratings based multiwavelength cross-connect with high dynamic range. , 0, , .		1
92	Soft-decoding combined trellis-coded quantization/modulation. , 0, , .		1
93	Bidirectional multiwavelength ring networks: performance analysis and experimental studies. , 0, , .		3
94	Fault surveillance of branched optical networks using an amplifier-generated wavelength-sweeping monitoring source. , 0, , .		1
95	Design of optimal soft decoding for combined trellis coded quantization/modulation in Rayleigh fading channel. , 0, , .		2
96	Channel capacity of WDM systems using constant-intensity modulation formats. , 0, , .		9
97	Probability density of signal with nonlinear phase noise. , 0, , .		0
98	Exact error probability of DQPSK signal with nonlinear phase noise. , 0, , .		4
99	Performance of DPSK signals with nonlinear phase noise for systems with small number of fiber spans. , 0, , .		2