Pooi-Yuen Kam

List of Publications by Citations

202 papers	1,668 citations	21 h-index	31 g-index
284 ext. papers	2,215 ext. citations	4.2 avg, IF	4.98 L-index

#	Paper	IF	Citations
202	Backscatter-NOMA: A Symbiotic System of Cellular and Internet-of-Things Networks. *IEEE Access*, **2019**, 7, 20000-20013	3.5	87
201	Decision-Aided Carrier Phase Estimation for Coherent Optical Communications. *Journal of Lightwave Technology*, **2010**, 28, 1597-1607	4	80
200	MAP/ML Estimation of the Frequency and Phase of a Single Sinusoid in Noise. *IEEE Transactions on Signal Processing*, **2007**, 55, 834-845	4.8	59
199	Maximum Likelihood Carrier Phase Recovery for Linear Suppressed-Carrier Digital Data Modulations. *IRE Transactions on Communications Systems*, **1986**, 34, 522-527		57
198	. *IEEE Transactions on Communications*, **1991**, 39, 214-219	6.9	51
197	Laser Linewidth Tolerance of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical M-ary PSK and QAM Systems. *IEEE Photonics Technology Letters*, **2009**, 21, 1075-1077	2.2	42
196	Outage Probability of Rician Fading Relay Channels. *IEEE Transactions on Vehicular Technology*, **2008**, 57, 2648-2652	6.8	41
195	Decision-aided maximum likelihood detection in coherent optical phase-shift-keying system. *Optics Express*, **2009**, 17, 703-15	3.3	35
194	Reception of PSK Signals Over Fading Channels Via Quadrature Amplitude Estimation. *IRE Transactions on Communications Systems*, **1983**, 31, 1024-1027		35
193	A Robust GLRT Receiver With Implicit Channel Estimation and Automatic Threshold Adjustment for the Free Space Optical Channel with IM/DD. *Journal of Lightwave Technology*, **2014**, 32, 369-383	4	32
192	Bit-error rate performance of coherent optical M-ary PSK/QAM using decision-aided maximum likelihood phase estimation. *Optics Express*, **2010**, 18, 12088-103	3.3	32
191	On Decision Aided Carrier Phase and Frequency Offset Estimation in Coherent Optical Receivers. *Journal of Lightwave Technology*, **2013**, 31, 2055-2069	4	28
190	. *IEEE Transactions on Communications*, **1993**, 41, 1020-1022	6.9	28
189	Averages of the product of two Gaussian Q-functions over fading statistics and applications. *IEEE Communications Letters*, **2007**, 11, 58-60	3.8	26
188	Maximum-Likelihood Digital Data Sequence Estimation Over the Gaussian Channel with Unknown Carrier Phase. *IRE Transactions on Communications Systems*, **1987**, 35, 764-767		25
187	Improved, Approximate, Time-Domain ML Estimators of Chirp Signal Parameters and Their Performance Analysis. *IEEE Transactions on Signal Processing*, **2009**, 57, 1260-1272	4.8	24
186	Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. *IEEE Transactions on Wireless Communications*, **2013**, 12, 1774-1782	9.6	23

185	Pilot-Assisted Decision-Aided Maximum-Likelihood Phase Estimation in Coherent Optical Phase-Modulated Systems With Nonlinear Phase Noise. *IEEE Photonics Technology Letters*, **2010**, 22, 380-382	2.2	22
184	Non-Coherent Detection for Amplify-and-Forward Relay Systems in a Rayleigh Fading Environment **2007**,		22
183	An All-Optical Modulation Format Conversion for 8QAM Based on FWM in HNLF. *IEEE Photonics Technology Letters*, **2013**, 25, 327-330	2.2	21
182	Bit-error probability of QPSK with noisy phase reference. *IET Communications*, **1995**, 142, 292		21
181	Decision-Aided, Pilot-Aided, Decision-Feedback Phase Estimation for Coherent Optical OFDM Systems. *IEEE Photonics Technology Letters*, **2012**, 24, 2067-2069	2.2	20
180	Performance of laser inter-satellite links with dynamic beam waist adjustment. *Optics Express*, **2016**, 24, 11950-60	3.3	19
179	New Exponential Lower Bounds on the Gaussian Q-Function via Jensen's Inequality **2011**,		19
178	. *IEEE Transactions on Communications*, **1994**, 42, 2543-2552	6.9	19
177	Efficient joint timing and frequency synchronization algorithm for coherent optical OFDM systems. *Optics Express*, **2016**, 24, 19969-77	3.3	18
176	Computing and Bounding the Generalized Marcum Q-Function via a Geometric Approach **2006**,		18
175	Phase-Based, Time-Domain Estimation of the Frequency and Phase of a Single Sinusoid in AWGN⸺The Role and Applications of the Additive Observation Phase Noise Model. *IEEE Transactions on Information Theory*, **2013**, 59, 3175-3188	2.8	17
174	**2009**,		17
173	Optimal transmission strategies for rayleigh fading relay channels. *IEEE Transactions on Wireless Communications*, **2008**, 7, 618-628	9.6	17
172	A Lower Bound on Secrecy Capacity for MIMO Wiretap Channel Aided by a Cooperative Jammer With Channel Estimation Error. *IEEE Access*, **2017**, 5, 4636-4645	3.5	16
171	Differential modulation for decode-and-forward multiple relay systems. *IEEE Transactions on Communications*, **2010**, 58, 189-199	6.9	16
170	Orthogonal Space-Time Block Codes in Vehicular Environments: Optimum Receiver Design and Performance Analysis. *Eurasip Journal on Wireless Communications and Networking*, **2009**, 2009,	3.2	14
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168	. *IEEE Journal on Selected Areas in Communications*, **1992**, 10, 562-570	14.2	14

167	Impact of Pointing Errors on the Error Performance of Intersatellite Laser Communications. *Journal of Lightwave Technology*, **2017**, 35, 3082-3091	4	13
166	Time-Domain Blind ICI Mitigation for Non-Constant Modulus Format in CO-OFDM. *IEEE Photonics Technology Letters*, **2013**, 25, 2490-2493	2.2	13
165	Dual-Stage Cascaded Frequency Offset Estimation for Digital Coherent Receivers. *IEEE Photonics Technology Letters*, **2010**, 22, 401-403	2.2	13
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163	New representations and bounds for the generalized marcum Q-function via a geometric approach, and an application. *IEEE Transactions on Communications*, **2010**, 58, 157-169	6.9	13
162	Computing and bounding the first-order Marcum Q-function: a geometric approach. *IEEE Transactions on Communications*, **2008**, 56, 1101-1110	6.9	13
161	Performance Analysis and Computational Complexity Comparison of Sequence Detection Receivers With No Explicit Channel Estimation. *IEEE Transactions on Vehicular Technology*, **2010**, 59, 2625-2631	6.8	12
160	Adaptive symbol-by-symbol reception of MPSK on the Gaussian channel with unknown carrier phase characteristics. *IEEE Transactions on Communications*, **1998**, 46, 1275-1279	6.9	12
159	Robust Data Detection for the Photon-Counting Free-Space Optical System With Implicit CSI Acquisition and Background Radiation Compensation. *Journal of Lightwave Technology*, **2016**, 34, 1120-1132	4	11
158	Adaptive Diversity Reception Over a Slow Nonselective Fading Channel. *IEEE Transactions on Communications*, **1987**, 35, 572-574	6.9	11
157	Space-time trellis codes over rapid rayleigh fading channels with channel estimation-part ii: performance analysis and code design for non-identical channels. *IEEE Transactions on Communications*, **2009**, 57, 343-347	6.9	9
156	A complex-weighted, decision-aided, maximum-likelihood carrier phase and frequency-offset estimation algorithm for coherent optical detection. *Optics Express*, **2012**, 20, 20102-14	3.3	9
155	Parallel Implementation of Decision-Aided Maximum-Likelihood Phase Estimation in Coherent M-ary Phase-Shift Keying Systems. *IEEE Photonics Technology Letters*, **2009**, 21, 1471-1473	2.2	9
154	Bit-error probabilities of 2 and 4DPSK with nonselective Rayleigh fading, diversity reception, and correlated Gaussian interference. *IEEE Transactions on Communications*, **1997**, 45, 400-403	6.9	9
153	Frequency Offset Estimation using a Kalman Filter in Coherent Optical Phase-Shift Keying Systems **2010**,		9
152	Mitigation of the Background Radiation for Free-Space Optical IM/DD Systems. *IEEE Communications Letters*, **2018**, 22, 292-295	3.8	8
151	Soft-Decision-Aided, Maximum-Likelihood Carrier Phase Estimation for Coherent Optical QAM. *Journal of Lightwave Technology*, **2013**, 31, 3443-3452	4	8
150	Impact of Imperfect Channel State Information on ARQ Schemes over Rayleigh Fading Channels **2009**,		8

149	Improved weighted phase averager for frequency estimation of single sinusoid in noise. *Electronics Letters*, **2008**, 44, 247	1.1	8
148	Log-Likelihood Metrics Based on Two-Symbol-Interval Observations for LDPC Codes with BDPSK Transmission **2008**,		8
147	Generic Exponential Bounds on the Generalized Marcum Q-Function via the Geometric Approach **2007**,		8
146	. *IEEE Transactions on Communications*, **1995**, 43, 2429-2433	6.9	8
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143	Channel Path Identification in mmWave Systems With Large-Scale Antenna Arrays. *IEEE Transactions on Communications*, **2020**, 68, 5549-5562	6.9	7
142	Pilot-Tone Assisted Log-Likelihood Ratio for LDPC Coded CO-OFDM System. *IEEE Photonics Technology Letters*, **2014**, 26, 1577-1580	2.2	7
141	Efficient direct detection of M-PAM sequences with implicit CSI acquisition for the FSO system **2014**,		7
140	Feedback Power Control with Bit Error Outage Probability QoS Measure on the Rayleigh Fading Channel. *IEEE Transactions on Communications*, **2013**, 61, 1621-1631	6.9	7
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134	Adaptive Maximum Likelihood Sequence Detection for QPSK Coherent Optical Communication System. *IEEE Photonics Technology Letters*, **2014**, 26, 583-586	2.2	6
133	Maximum likelihood sequence detection in laser phase noise-impaired coherent optical systems. *Optics Express*, **2011**, 19, 22600-6	3.3	6
132	Instantaneous Symbol Error Outage Probability over Fading Channels with Imperfect Channel State Information **2010**,		6

131	Performance analysis of coherent optical 8-star QAM systems using decision-aided maximum likelihood phase estimation. *Optics Express*, **2012**, 20, 9302-11	3.3	6
130	Decision-Aided Joint Compensation of Transmitter IQ Mismatch and Phase Noise for Coherent Optical OFDM. *IEEE Photonics Technology Letters*, **2012**, 24, 1066-1068	2.2	6
129	LDPC Codes with BDPSK and Differential Detection Over Flat Rayleigh Fading Channels **2007**,		6
128	Performance of Optimum and Suboptimum Combining Diversity Reception for Binary and Quadrature DPSK Over Independent, Nonidentical Rayleigh Fading Channels. *IEEE Transactions on Communications*, **2007**, 55, 887-894	6.9	6
127	Space-Time Trellis Codes Over Rapid Rayleigh Fading Channels With Channel Estimation---Part I: Receiver Design and Performance Analysis. *IEEE Transactions on Communications*, **2007**, 55, 1640-1644	6.9	6
126	Simple Tight Exponential Bounds on the First-Order Marcum Q-Function via the Geometric Approach **2006**,		6
125	Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas. *IEEE Communications Letters*, **2005**, 9, 7-9	3.8	6
124	Adaptive digital coherent receiver for MPSK. *Electronics Letters*, **1992**, 28, 2099	1.1	6
123	A Refinement to the Viterbi-Viterbi Carrier Phase Estimator and an Extension to the Case With a Wiener Carrier Phase Process. *IEEE Access*, **2019**, 7, 78170-78184	3.5	5
122	Soft-Decision-Aided Channel Estimation Over the Flat-Fading Channel, and an Application to Iterative Decoding Using an Example LTE Turbo Code. *IEEE Transactions on Wireless Communications*, **2014**, 13, 6027-6040	9.6	5
121	. *IEEE Transactions on Communications*, **2012**, 60, 3342-3352	6.9	5
120	Bayesian Spectrum Sensing for Digitally Modulated Primary Signals in Cognitive Radio **2011**,		5
119	A symbol-by-symbol channel estimation receiver for space-time block coded systems and its performance analysis on the nonselective rayleigh fading channel. *IEEE Transactions on Communications*, **2008**, 56, 2116-2124	6.9	5
118	Exact phase noise model for single-tone frequency estimation in noise. *Electronics Letters*, **2008**, 44, 937	1.1	5
117	Analysis of Differential Orthogonal Space⬚Time Block Codes Over Semi-Identical MIMO Fading Channels. *IEEE Transactions on Communications*, **2007**, 55, 282-291	6.9	5
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115	A Tight Lower Bound on the Gaussian Q -Function With a Simple Inversion Algorithm, and an Application to Coherent Optical Communications. *IEEE Communications Letters*, **2018**, 22, 1358-1361	3.8	4
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113	A Low-Complexity, Low-Cycle-Slip-Probability, Format-Independent Carrier Estimator with Adaptive Filter Length. *Journal of Lightwave Technology*, **2013**, 31, 3806-3812	4	4
112	Soft-Decision-Aided, Smoothness-Constrained Channel Estimation over Time-Varying Fading Channels With No Channel Model Information. *IEEE Transactions on Wireless Communications*, **2017**, 16, 73-86	9.6	4
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110	An automatic step-size adjustment algorithm for LMS adaptive filters, and an application to channel estimation. *Physical Communication*, **2012**, 5, 280-286	2.2	4
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106	Decision-aided joint compensation of channel distortion and transmitter IQ imbalance for coherent optical OFDM **2011**,		4
105	Signal constellations for differential unitary space-time modulation with multiple transmit antennas		4
104	Theoretical performance of space-time block coded systems with channel estimation		4
103	Bit-error probability for orthogonal space-time block codes with differential detection. *IEEE Transactions on Communications*, **2005**, 53, 1795-1798	6.9	4
102	Maximum-Likelihood, Magnitude-Based, Amplitude and Noise Variance Estimation. *IEEE Signal Processing Letters*, **2021**, 28, 414-418	3.2	4
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100	Explicit, closed-form performance analysis in fading via new bound on Gaussian Q-function **2013**,		3
99	Secure outage probability over fading channels **2017**,		3
98	The LLR Metric for q-ary LDPC Codes with MPSK Modulation over Rayleigh Channels with Imperfect CSI. *IEEE Transactions on Communications*, **2012**, 60, 1793-1799	6.9	3
97	Pilot-Aided Log-Likelihood Ratio for LDPC Coded MPSK-OFDM Transmission. *IEEE Photonics Technology Letters*, **2013**, 25, 594-597	2.2	3
96	Full-Range Pilot-Assisted Frequency Offset Estimation for OFDM Systems **2013**,		3

95	Power Control for MIMO Diversity Systems With Nonidentical Rayleigh Fading. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 998-1003	6.8	3
94	Log-Likelihood Ratios for LDPC Codes with Pilot-Symbol-Assisted BPSK Transmission over the Noncoherent Channel **2009**,		3
93	LLR metrics for LDPC codes with quadrature differential PSK transmission, and their performances **2008**,		3
92	Space-Time FSK: An Implicit Pilot Symbol Assisted Modulation Scheme. *IEEE Transactions on Wireless Communications*, **2007**, 6, 2602-2611	9.6	3
91	Transmit Antenna Selection for Space-Time Block Coded Systems with Channel Estimation **2006**,		3
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89	. *IEEE Transactions on Wireless Communications*, **2005**, 4, 192-201	9.6	3
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86	Technique for analysing error probability of ⊿-wedge-shaped decision region. *Electronics Letters*, **2005**, 41, 283	1.1	3
85	Coherent detection of MPSK via efficient block estimation. *Electronics Letters*, **1994**, 30, 184-185	1.1	3
84	Adaptive reception of MPSK on fading channels. *Electronics Letters*, **1994**, 30, 1022-1023	1.1	3
83	Block Length Effect of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical Communication Systems **2009**,		3
82	A Semi-Blind Receiver for Ambient Backscatter Communications with MPSK RF Source **2019**,		3
81	Joint timing and frequency synchronization in coherent optical OFDM systems. *Frontiers of Optoelectronics*, **2019**, 12, 4-14	2.8	2
80	Carrier Frequency Offset Estimation for CO-OFDM: The Matched-Filter Approach. *Journal of Lightwave Technology*, **2018**, 36, 2955-2965	4	2
79	Efficient symbol detection for the FSO IM/DD system with automatic and adaptive threshold adjustment: The multi-level PAM case **2015**,		2
78	Performance Investigation of Pilot-Aided Log-Likelihood Ratios for LDPC Coded CO-OFDM. *Journal of Lightwave Technology*, **2015**, 33, 1961-1970	4	2

77	Pilot-aided Log-likelihood Ratio for LDPC coded M-QAM CO-OFDM System **2014**,		2
76	Pre-distortion versus post-equalization for IQ mismatch compensation in CO-OFDM **2012**,		2
75	Sample-Autocorrelation-Function-Based Frequency Estimation of a Single Sinusoid in AWGN **2012**,		2
74	A performance investigation of correlation-based and pilot-tone-assisted frequency offset compensation method for CO-OFDM. *Optics Express*, **2013**, 21, 22847-53	3.3	2
73	Lower Bound on Averages of the Product of L Gaussian Q-Functions over Nakagami-m Fading **2013**,		2
72	Goodput-Optimal Rate Adaptation with Imperfect Channel State Information **2009**,		2
71	A simple bit error probability analysis for square QAM in rayleigh fading with channel estimation. *IEEE Transactions on Communications*, **2009**, 57, 2193-2197	6.9	2
70	6-GHz Radio-Over-Fiber Upstream Transmission Using a Directly Modulated RSOA. *IEEE Photonics Technology Letters*, **2011**, 23, 1730-1732	2.2	2
69	A Mutual Information Approach for Comparing LLR Metrics for Iterative Decoders **2009**,		2
68	Tight bounds on the bit-error probabilities of 2DPSK and 4DPSK in nonselective Rician fading. *IEEE Transactions on Communications*, **1998**, 46, 860-862	6.9	2
67	Kalman Estimation of Single-Tone Parameters and Performance Comparison With MAP Estimator. *IEEE Transactions on Signal Processing*, **2008**, 56, 4508-4511	4.8	2
66	Exact phase noise model and its application to linear minimum variance estimation of frequency and phase of a noisy sinusoid **2008**,		2
65	Effect of Doppler shift on performance of binary DPSK over fast Rician fading channels with diversity reception **2008**,		2
64	Performance of Differentially Detected DPSK Over Nonselective Rayleigh Fading Channels With Maximal Ratio Combining and Multiple Cochannel Interferers. *IEEE Transactions on Communications*, **2007**, 55, 133-141	6.9	2
63	WLC10-1: Generic Exponential Bounds and Erfc-Bounds on the Marcum Q-Function via the Geometric Approach. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		2
62	On the Performance of Distributed Space-Time Block Coding Over Nonidentical Ricean Channels and the Optimum Power Allocation **2007**,		2
61	A space-time block code using orthogonal frequency-shift-keying		2
60	Performance of optimum and suboptimum combining diversity reception for binary DPSK over independent, nonidentical Rayleigh fading channels		2

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54	Estimation and control for a sensor moving along a one-dimensional track. *International Journal of Control*, **1980**, 31, 1147-1159	1.5	2
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51	An Improved Doppler Parameter Estimator for Synthetic Aperture Radar. *Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium*, **2008**, 4, 201-206		2
50	Adaptive Maximum Likelihood Sequence Detection in 100-Gb/s Coherent Optical Communication Systems **2013**,		2
49	Performance Optimization of M-APSK in Awgn and Oscillator Phase Noise with Annular-Sector Detection **2016**,		1
48	Enhanced adaptive DA-ML carrier phase estimator and its application to accurate laser linewidth and SNR estimation. *Optics Express*, **2018**, 26, 14817-14831	3.3	1
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46	Optimum Linewidth of Spectrum-Sliced Incoherent Light Source Using a Gain-Saturated Semiconductor Optical Amplifier. *Journal of Lightwave Technology*, **2015**, 33, 3744-3750	4	1
45	Robust Decoding of Concatenated RS-Convolutional Codes over the Quasi-Static Fading Channel with No Explicit CSI Acquisition **2015**,		1
44	Log-likelihood metric for LDPC coded BDPSK-OFDM transmission **2012**,		1
43	Improved Chirp Parameter Estimation Using Signal Recovery Method **2010**,		1
42	Optimal Antenna Deployment for Capacity Maximization in a MIMO Rayleigh Fading Channel **2010**,		1

41	Log-Likelihood Ratios for LDPC Codes with Pilot-Symbol-Assisted BPSK Transmission over Flat Rayleigh Fading Channels **2009**,		1
40	A novel automatic step-size adjustment approach in the LMS algorithm **2009**,		1
39	Design of MAC with cooperative spectrum sensing in ad hoc cognitive radio networks **2009**,		1
38	Performance analysis of orthogonal space-time block codes over time-selective channels, and applications to code design of Gi systems. *IEEE Transactions on Communications*, **2009**, 57, 707-715	6.9	1
37	Cutoff Rate of MIMO Systems in Rayleigh Fading Channels With Imperfect CSIR and Finite Frame Error Probability. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 3292-3300	6.8	1
36	ARQ with Packet-Error-Outage-Probability QoS Measure **2011**,		1
35	Weighted phase averager for frequency estimation of a noisy single sinusoid: Application of the observation phase noise model **2009**,		1
34	Adaptive Sequence Detection for MPSK/MQAM with Unknown Carrier Phase Characteristics **2009**,		1
33	Efficient estimation of continuous phase modulation with unknown carrier phase. *IEEE Transactions on Communications*, **1997**, 45, 765-767	6.9	1
32	Cooperative space—time block coding with amplify-and-forward strategy: Exact bit error probability and adaptive forwarding schemes. *Physical Communication*, **2008**, 1, 209-220	2.2	1
31	Linear Estimation of the Frequency and Phase of a Noisy Sinusoid. *IEEE Vehicular Technology Conference*, **2008**,	0.1	1
30	A Decision-Feedback Channel Estimation Receiver for Independent Nonidentical Rayleigh Fading Channels. *IEEE Vehicular Technology Conference*, **2008**,	0.1	1
29	Generalized Quadratic Receivers for Unitary Space—Time Modulation Over Rayleigh Fading Channels. *IEEE Transactions on Communications*, **2007**, 55, 1940-1950	6.9	1
28	Bit Error Performance of Orthogonal Space-Time Block Codes over Time-Selective Channel **2007**,		1
27	Closed-Form Performance of MFSK Signals with Diversity Reception Over Non-Identical Fading Channels **2007**,		1
26	Bit error probability for orthogonal space-time block codes with differential detection **2005**,		1
25	Outage-Optimal Transmission Strategies for Rayleigh Fading Relay Channels **2006**,		1
24	Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas. *IEEE Communications Letters*, **2005**, 9, 7-9	3.8	1

23	Adaptive Viterbi estimation of MPSK sequences over a Rayleigh fading channel. *Electronics Letters*, **1995**, 31, 2142-2143	1.1	1
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21	. *IEEE Transactions on Communications*, **1993**, 41, 817-819	6.9	1
20	Study on the Performance of Decision-Aided Maximum Likelihood Phase Estimation with a Forgetting Factor **2011**,		1
19	Performance of Adaptive Maximum Likelihood Sequence Detection with Nonlinear Phase Noise **2013**,		1
18	Experimental Demonstration of Decision-Aided Maximum Likelihood Phase Estimation in 8-Channel 42.8-Gbit/s DWDM Coherent PolMux-QPSK System **2010**,		1
17	Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems **2016**,		1
16	Efficient Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems **2017**,		1
15	Phase Estimation in Coherent Optical Fiber Communication Systems with Advanced Modulation Formats **2012**,		1
14	M-APSK Constellation Optimization in the Presence of Phase Reference Error. *IEEE Wireless Communications Letters*, **2020**, 9, 2154-2158	5.9	1
13	Generalized Mutual Information Analysis for BICM-8QAM With Residual Phase Noise. *IEEE Communications Letters*, **2021**, 1-1	3.8	1
12	An Optimum Signal Detection Approach to the Joint ML Estimation of Timing Offset, Carrier Frequency and Phase Offset for Coherent Optical OFDM. *Journal of Lightwave Technology*, **2021**, 39, 1629-1644	4	1
11	Analysis of open-loop tanlock carrier recovery for BPSK. *Electronics Letters*, **1997**, 33, 443	1.1	0
10	A Closed-Form Approximate Expression for the BEP of BDPSK Signal in Log-Normal SISO FSO Communication System. *Journal of Lightwave Technology*, **2021**, 1-1	4	0
9	A Blind Method Towards Performance Improvement of High Performance TCP with Random Losses. *Lecture Notes in Computer Science*, **2006**, 49-61	0.9	0
8	FSK detection using frequency estimator. *Electronics Letters*, **1995**, 31, 1631-1632	1.1	0
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6	Nonlinear phase noise tolerance for coherent optical systems using soft-decision-aided ML carrier phase estimation enhanced with constellation partitioning. *Optics Communications*, **2018**, 409, 45-51	2	

List of Publications

5	Carrier recovery in coherent receiver of optical orthogonal frequency division multiplexing system. *Frontiers of Optoelectronics*, **2014**, 7, 348-358	2.8
4	Experiment on Coherent Optical RZ 8-Star QAM Systems Using Decision-Aided Maximum Likelihood Phase Estimation. *IEEE Photonics Technology Letters*, **2012**, 24, 2139-2142	2.2
3	An adaptive coherent receiver for MPSK/MDPSK over the nonselective Rayleigh fading channel with unknown characteristics. *IEEE Transactions on Wireless Communications*, **2005**, 4, 2621-2628	9.6
2	Approximate bit error probability analysis of 2PSK and 4PSK with partially coherent, symbol-by-symbol detection in carrier phase noise. *IET Communications*, **1999**, 146, 120	
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