

Pooi-Yuen Kam

List of Publications by Year in descending order

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284
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284
times ranked

1464
citing authors

#	ARTICLE	IF	CITATIONS
1	Backscatter-NOMA: A Symbiotic System of Cellular and Internet-of-Things Networks. IEEE Access, 2019, 7, 20000-20013.	2.6	151
2	Decision-Aided Carrier Phase Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2010, 28, 1597-1607.	2.7	103
3	Maximum Likelihood Carrier Phase Recovery for Linear Suppressed-Carrier Digital Data Modulations. IRE Transactions on Communications Systems, 1986, 34, 522-527.	0.6	97
4	MAP/ML Estimation of the Frequency and Phase of a Single Sinusoid in Noise. IEEE Transactions on Signal Processing, 2007, 55, 834-845.	3.2	88
5	Optimal detection of digital data over the nonselective Rayleigh fading channel with diversity reception. IEEE Transactions on Communications, 1991, 39, 214-219.	4.9	79
6	Reception of PSK Signals Over Fading Channels Via Quadrature Amplitude Estimation. IRE Transactions on Communications Systems, 1983, 31, 1024-1027.	0.6	64
7	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.	1.3	58
8	Outage Probability of Rician Fading Relay Channels. IEEE Transactions on Vehicular Technology, 2008, 57, 2648-2652.	3.9	55
9	Decision-aided maximum likelihood detection in coherent optical phase-shift-keying system. Optics Express, 2009, 17, 703.	1.7	49
10	Bit-Error Rate Performance of Coherent Optical M-ary PSK/QAM using Decision-Aided Maximum Likelihood Phase Estimation. Optics Express, 2010, 18, 12088.	1.7	49
11	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.	2.7	45
12	Approximate results for the bit error probability of binary phase shift keying with noisy phase reference. IEEE Transactions on Communications, 1993, 41, 1020-1022.	4.9	37
13	On Decision Aided Carrier Phase and Frequency Offset Estimation in Coherent Optical Receivers. Journal of Lightwave Technology, 2013, 31, 2055-2069.	2.7	37
14	Performance of laser inter-satellite links with dynamic beam waist adjustment. Optics Express, 2016, 24, 11950.	1.7	37
15	Maximum-Likelihood Digital Data Sequence Estimation Over the Gaussian Channel with Unknown Carrier Phase. IRE Transactions on Communications Systems, 1987, 35, 764-767.	0.6	35
16	New Exponential Lower Bounds on the Gaussian Q-Function via Jensen's Inequality. , 2011, , .		33
17	http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=	2.5	32
18	Non-Coherent Detection for Amplify-and-Forward Relay Systems in a Rayleigh Fading Environment. , 2007, , .		32

#	ARTICLE	IF	CITATIONS
19	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.	1.5	31
20	Improved, Approximate, Time-Domain ML Estimators of Chirp Signal Parameters and Their Performance Analysis. IEEE Transactions on Signal Processing, 2009, 57, 1260-1272.	3.2	30
21	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.	1.3	30
22	An All-Optical Modulation Format Conversion for 8QAM Based on FWM in HNLF. IEEE Photonics Technology Letters, 2013, 25, 327-330.	1.3	29
23	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.	6.1	28
24	Bit-error probability of QPSK with noisy phase reference. IET Communications, 1995, 142, 292.	1.0	27
25	Efficient joint timing and frequency synchronization algorithm for coherent optical OFDM systems. Optics Express, 2016, 24, 19969.	1.7	27
26	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.	4.9	26
27	Cross-Layered Design of Spectrum Sensing and MAC for Opportunistic Spectrum Access. , 2009, , .		25
28	An Adaptive Receiver with Memory for Slowly Fading Channels. IEEE Transactions on Communications, 1984, 32, 654-659.	4.9	24
29	Sequence estimation over the slow nonselective Rayleigh fading channel with diversity reception and its application to Viterbi decoding. IEEE Journal on Selected Areas in Communications, 1992, 10, 562-570.	9.7	24
30	Decision-Aided, Pilot-Aided, Decision-Feedback Phase Estimation for Coherent Optical OFDM Systems. IEEE Photonics Technology Letters, 2012, 24, 2067-2069.	1.3	24
31	Optimum symbol-by-symbol detection of uncoded digital data over the Gaussian channel with unknown carrier phase. IEEE Transactions on Communications, 1994, 42, 2543-2552.	4.9	23
32	Computing and Bounding the Generalized Marcum Q-Function via a Geometric Approach. , 2006, , .		22
33	Optimal transmission strategies for rayleigh fading relay channels. IEEE Transactions on Wireless Communications, 2008, 7, 618-628.	6.1	21
34	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.	2.6	21
35	Impact of Pointing Errors on the Error Performance of Intersatellite Laser Communications. Journal of Lightwave Technology, 2017, 35, 3082-3091.	2.7	21
36	A New Class of Signal Constellations for Differential Unitary Space-Time Modulation (DUSTM). IEEE Communications Letters, 2004, 8, 1-3.	2.5	20

#	ARTICLE	IF	CITATIONS
37	Differential modulation for decode-and-forward multiple relay systems. IEEE Transactions on Communications, 2010, 58, 189-199.	4.9	20
38	Adaptive Diversity Reception Over a Slow Nonselective Fading Channel. IEEE Transactions on Communications, 1987, 35, 572-574.	4.9	19
39	On the Mutual Information Distribution of MIMO Rician Fading Channels. IEEE Transactions on Communications, 2009, 57, 1453-1462.	4.9	19
40	Computing and bounding the first-order Marcum Q-function: a geometric approach. IEEE Transactions on Communications, 2008, 56, 1101-1110.	4.9	17
41	Orthogonal Space-Time Block Codes in Vehicular Environments: Optimum Receiver Design and Performance Analysis. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	1.5	17
42	Dual-Stage Cascaded Frequency Offset Estimation for Digital Coherent Receivers. IEEE Photonics Technology Letters, 2010, 22, 401-403.	1.3	16
43	Time-Domain Blind ICI Mitigation for Non-Constant Modulus Format in CO-OFDM. IEEE Photonics Technology Letters, 2013, 25, 2490-2493.	1.3	16
44	A Viterbi-type algorithm for efficient estimation of M-PSK sequences over the Gaussian channel with unknown carrier phase. IEEE Transactions on Communications, 1995, 43, 2429-2433.	4.9	15
45	Adaptive symbol-by-symbol reception of MPSK on the Gaussian channel with unknown carrier phase characteristics. IEEE Transactions on Communications, 1998, 46, 1275-1279.	4.9	15
46	Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas. IEEE Communications Letters, 2005, 9, 7-9.	2.5	14
47	LDPC Codes with BDPK and Differential Detection Over Flat Rayleigh Fading Channels. , 2007, , .		14
48	Performance Analysis and Computational Complexity Comparison of Sequence Detection Receivers With No Explicit Channel Estimation. IEEE Transactions on Vehicular Technology, 2010, 59, 2625-2631.	3.9	14
49	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.	4.9	14
50	Simple Tight Exponential Bounds on the First-Order Marcum Q-Function via the Geometric Approach. , 2006, , .		13
51	Frequency Offset Estimation using a Kalman Filter in Coherent Optical Phase-Shift Keying Systems. , 2010, , .		13
52	Impact of Imperfect Channel State Information on ARQ Schemes over Rayleigh Fading Channels. , 2009, , .		12
53	Decision-Aided Joint Compensation of Transmitter IQ Mismatch and Phase Noise for Coherent Optical OFDM. IEEE Photonics Technology Letters, 2012, 24, 1066-1068.	1.3	12
54	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.	2.7	12

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55	Tight bounds on Rician-type error probabilities and some applications. IEEE Transactions on Communications, 1994, 42, 3119-3128.	4.9	11
56	Further results on the bit error probabilities of MDPSK over the nonselective Rayleigh fading channel with diversity reception. IEEE Transactions on Communications, 1995, 43, 2732-2741.	4.9	11
57	Log-Likelihood Metrics Based on Two-Symbol-Interval Observations for LDPC Codes with BDPSC Transmission. , 2008, , .		11
58	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.	1.3	11
59	A complex-weighted, decision-aided, maximum-likelihood carrier phase and frequency-offset estimation algorithm for coherent optical detection. Optics Express, 2012, 20, 20102.	1.7	11
60	Channel Path Identification in mmWave Systems With Large-Scale Antenna Arrays. IEEE Transactions on Communications, 2020, 68, 5549-5562.	4.9	11
61	Maximum-Likelihood, Magnitude-Based, Amplitude and Noise Variance Estimation. IEEE Signal Processing Letters, 2021, 28, 414-418.	2.1	11
62	Binary orthogonal signaling over the Gaussian channel with unknown phase/fading: new results and interpretations. IEEE Transactions on Communications, 1990, 38, 1686-1692.	4.9	10
63	Generalized quadratic receivers for orthogonal signals over the Gaussian channel with unknown phase/fading. IEEE Transactions on Communications, 1995, 43, 2050-2059.	4.9	10
64	Theoretical performance of space-time block coded systems with channel estimation. , 0, , .		10
65	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.	4.9	10
66	Bayesian Spectrum Sensing for Digitally Modulated Primary Signals in Cognitive Radio. , 2011, , .		10
67	Soft-Decision-Aided, Maximum-Likelihood Carrier Phase Estimation for Coherent Optical QAM. Journal of Lightwave Technology, 2013, 31, 3443-3452.	2.7	10
68	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.	6.1	10
69	Optimum Detection of Two-Dimensional Carrier Modulations With Linear Phase Noise Using Received Amplitude and Phase Information and Performance Analysis. Journal of Lightwave Technology, 2016, 34, 2439-2451.	2.7	10
70	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.	4.9	9
71	Generic Exponential Bounds on the Generalized Marcum Q-Function via the Geometric Approach. , 2007, , .		9
72	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.	4.9	9

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73	Efficient direct detection of M-PAM sequences with implicit CSI acquisition for the FSO system. , 2014, , .		9
74	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.	6.1	9
75	Mitigation of the Background Radiation for Free-Space Optical IM/DD Systems. IEEE Communications Letters, 2018, 22, 292-295.	2.5	9
76	Carrier Frequency Offset Estimation for CO-OFDM: The Matched-Filter Approach. Journal of Lightwave Technology, 2018, 36, 2955-2965.	2.7	9
77	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.	2.6	9
78	Joint ML/MAP Estimation of the Frequency and Phase of a Single Sinusoid With Wiener Carrier Phase Noise. IEEE Transactions on Signal Processing, 2022, 70, 337-350.	3.2	9
79	Viterbi detection with simultaneous suboptimal maximum likelihood carrier phase estimation. IEEE Transactions on Communications, 1988, 36, 1327-1330.	4.9	8
80	Space-Time FSK: An Implicit Pilot Symbol Assisted Modulation Scheme. IEEE Transactions on Wireless Communications, 2007, 6, 2602-2611.	6.1	8
81	Analysis of Differential Orthogonal Space-Time Block Codes Over Semi-Identical MIMO Fading Channels. IEEE Transactions on Communications, 2007, 55, 282-291.	4.9	8
82	http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=4200930	4.9	8
83	Exact phase noise model and its application to linear minimum variance estimation of frequency and phase of a noisy sinusoid. , 2008, , .		8
84	Improved weighted phase averager for frequency estimation of single sinusoid in noise. Electronics Letters, 2008, 44, 247.	0.5	8
85	Sequence detection for MPSK/MQAM with adaptive phase tracking. Physical Communication, 2009, 2, 217-227.	1.2	8
86	Performance analysis of coherent optical 8-star QAM systems using decision-aided maximum likelihood phase estimation. Optics Express, 2012, 20, 9302.	1.7	8
87	An automatic step-size adjustment algorithm for LMS adaptive filters, and an application to channel estimation. Physical Communication, 2012, 5, 280-286.	1.2	8
88	Adaptive Maximum Likelihood Sequence Detection for QPSK Coherent Optical Communication System. IEEE Photonics Technology Letters, 2014, 26, 583-586.	1.3	8
89	Pilot-Tone Assisted Log-Likelihood Ratio for LDPC Coded CO-OFDM System. IEEE Photonics Technology Letters, 2014, 26, 1577-1580.	1.3	8
90	A Tight Lower Bound on the Gaussian χ^2 -Function With a Simple Inversion Algorithm, and an Application to Coherent Optical Communications. IEEE Communications Letters, 2018, 22, 1358-1361.	2.5	8

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91	Signal constellations for differential unitary space-time modulation with multiple transmit antennas. , 0, , .		7
92	Bit-Error Probability for Orthogonal Space-Time Block Codes With Differential Detection. IEEE Transactions on Communications, 2005, 53, 1795-1798.	4.9	7
93	Performance comparison of selection combining schemes for binary DPSK on nonselective Rayleigh-fading channels with interference. IEEE Transactions on Wireless Communications, 2005, 4, 192-201.	6.1	7
94	SPC09-2: ML Estimation of the Frequency and Phase in Noise. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	7
95	A New Geometric View of the First-Order Marcum Q-Function and Some Simple Tight Erfc-Bounds. , 0, , .		7
96	WLC21-3: On the Performance of Orthogonal Space-Time Block Codes over Independent, Nonidentical Rayleigh/Ricean Fading Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	7
97	Instantaneous Symbol Error Outage Probability over Fading Channels with Imperfect Channel State Information. , 2010, , .		7
98	Maximum likelihood sequence detection in laser phase noise-impaired coherent optical systems. Optics Express, 2011, 19, 22600.	1.7	7
99	Decision-aided joint compensation of channel distortion and transmitter IQ imbalance for coherent optical OFDM. , 2011, , .		7
100	ARQ with Channel Gain Monitoring. IEEE Transactions on Communications, 2012, 60, 3342-3352.	4.9	7
101	Feedback Power Control with Bit Error Outage Probability QoS Measure on the Rayleigh Fading Channel. IEEE Transactions on Communications, 2013, 61, 1621-1631.	4.9	7
102	Simple, Unified, and Accurate Prediction of Error Probability for Higher Order MPSK/MDPSK With Phase Noise in Optical Communications. Journal of Lightwave Technology, 2014, 32, 4133-4142.	2.7	7
103	A Semi-Blind Receiver for Ambient Backscatter Communications with MPSK RF Source. , 2019, , .		7
104	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.	2.7	7
105	Adaptive digital coherent receiver for MPSK. Electronics Letters, 1992, 28, 2099.	0.5	6
106	Error probability of 2DPSK with phase noise. IEEE Transactions on Communications, 1994, 42, 2366-2369.	4.9	6
107	Performance of optimum and suboptimum combining diversity reception for binary DPSK over independen. , 0, , .		6
108	WLC11-1: A New Approach to the Capacity Distribution of MIMO Rayleigh Fading Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6

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109	Outage Probability of Rician Fading Relay Channels. , 2006, , .		6
110	Log-Likelihood Ratios for LDPC Codes with Pilot-Symbol-Assisted BPSK Transmission over the Noncoherent Channel. , 2009, , .		6
111	On the Performance of Packet ARQ Schemes in Rayleigh Fading: The Role of Receiver Channel State Information and Its Accuracy. IEEE Transactions on Vehicular Technology, 2011, 60, 704-709.	3.9	6
112	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.	4.9	6
113	Tight bounds and invertible average error probability expressions over composite fading channels. Journal of Communications and Networks, 2016, 18, 182-189.	1.8	6
114	Tanlock carrier phase recovery without a divider and VCO. Electronics Letters, 1994, 30, 1923-1924.	0.5	5
115	New tight bounds on the pairwise error probability for unitary space-time modulations. IEEE Communications Letters, 2005, 9, 289-291.	2.5	5
116	On the Performance of Distributed Space-Time Block Coding Over Nonidentical Ricean Channels and the Optimum Power Allocation. , 2007, , .		5
117	Exact phase noise model for single-tone frequency estimation in noise. Electronics Letters, 2008, 44, 937.	0.5	5
118	A Mutual Information Approach for Comparing LLR Metrics for Iterative Decoders. , 2009, , .		5
119	Sample-Autocorrelation-Function-Based Frequency Estimation of a Single Sinusoid in AWGN. , 2012, , .		5
120	Explicit, closed-form performance analysis in fading via new bound on Gaussian Q-function. , 2013, , .		5
121	Full-Range Pilot-Assisted Frequency Offset Estimation for OFDM Systems. , 2013, , .		5
122	Joint timing and frequency synchronization in coherent optical OFDM systems. Frontiers of Optoelectronics, 2019, 12, 4-14.	1.9	5
123	Differential detection of DPSK with frequency offset compensation. Electronics Letters, 1994, 30, 9-10.	0.5	4
124	Performance of pilot-symbol-assisted-modulation with transmit-receive diversity in nonselective Rayleigh fading channels. , 0, , .		4
125	Technique for analysing error probability of $\hat{\alpha}^2$ -wedge-shaped decision region. Electronics Letters, 2005, 41, 283.	0.5	4
126	Bit error probability for orthogonal space-time block codes with differential detection. , 2005, , .		4

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127	A space-time block code using orthogonal frequency-shift-keying. , 0, , .		4
128	WLC10-1: Generic Exponential Bounds and Erfc-Bounds on the Marcum Q-Function via the Geometric Approach. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
129	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.	4.9	4
130	LLR metrics for LDPC codes with quadrature differential PSK transmission, and their performances. , 2008, , .		4
131	A Performance Investigation of Adaptive Phase Estimations in Coherent Optical Communications. IEEE Photonics Technology Letters, 2011, 23, 462-464.	1.3	4
132	Pre-distortion versus post-equalization for IQ mismatch compensation in CO-OFDM. , 2012, , .		4
133	A Low-Complexity, Low-Cycle-Slip-Probability, Format-Independent Carrier Estimator with Adaptive Filter Length. Journal of Lightwave Technology, 2013, 31, 3806-3812.	2.7	4
134	Pilot-Aided Log-Likelihood Ratio for LDPC Coded MPSK-OFDM Transmission. IEEE Photonics Technology Letters, 2013, 25, 594-597.	1.3	4
135	A performance investigation of correlation-based and pilot-tone-assisted frequency offset compensation method for CO-OFDM. Optics Express, 2013, 21, 22847.	1.7	4
136	Lower Bound on Averages of the Product of L Gaussian Q-Functions over Nakagami-m Fading. , 2013, , .		4
137	On the LLR Metrics for DPSK Modulations Over Two-Symbol Observation Intervals for the Flat Rician Fading Channel. IEEE Transactions on Communications, 2015, 63, 4950-4963.	4.9	4
138	Frequency offset estimation via planar extended Kalman filter. Electronics Letters, 1993, 29, 1473.	0.5	3
139	Coherent detection of MPSK via efficient block estimation. Electronics Letters, 1994, 30, 184-185.	0.5	3
140	Adaptive reception of MPSK on fading channels. Electronics Letters, 1994, 30, 1022-1023.	0.5	3
141	Efficient estimation of continuous phase modulation with unknown carrier phase. IEEE Transactions on Communications, 1997, 45, 765-767.	4.9	3
142	On the performance of space-time block coded systems with channel estimation. , 0, , .		3
143	Transmit Antenna Selection for Space-Time Block Coded Systems with Channel Estimation. , 2006, , .		3
144	Closed-Form Performance of MFSK Signals with Diversity Reception Over Non-Identical Fading Channels. , 2007, , .		3

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145	Generalized Quadratic Receivers for Unitary Space-Time Modulation Over Rayleigh Fading Channels. IEEE Transactions on Communications, 2007, 55, 1940-1950.	4.9	3
146	Exact Bit Error Probability of Cooperative Space-Time Block Coding with Amplify-and-Forward Strategy. , 2008, , .		3
147	Goodput-Optimal Rate Adaptation with Imperfect Channel State Information. , 2009, , .		3
148	A novel automatic step-size adjustment approach in the LMS algorithm. , 2009, , .		3
149	Power Control for MIMO Diversity Systems With Nonidentical Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2009, 58, 998-1003.	3.9	3
150	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.	3.9	3
151	ADC bandwidth optimization in coherent optical polarization multiplexing quadrature phase-shift keying system. , 2009, , .		3
152	6-GHz Radio-Over-Fiber Upstream Transmission Using a Directly Modulated RSOA. IEEE Photonics Technology Letters, 2011, 23, 1730-1732.	1.3	3
153	Exponential-Type Bounds on the First-Order Marcum Q-Function. , 2011, , .		3
154	Performance Investigation of Pilot-Aided Log-Likelihood Ratios for LDPC Coded CO-OFDM. Journal of Lightwave Technology, 2015, 33, 1961-1970.	2.7	3
155	Secure outage probability over $\hat{\rho}^{-1/4}$ fading channels. , 2017, , .		3
156	M -APSK Constellation Optimization in the Presence of Phase Reference Error. IEEE Wireless Communications Letters, 2020, 9, 2154-2158.	3.2	3
157	Generalized Mutual Information Analysis for BICM-8QAM With Residual Phase Noise. IEEE Communications Letters, 2021, 25, 3819-3823.	2.5	3
158	Block Length Effect of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical Communication Systems. , 2009, , .		3
159	Performance of Decision-Aided Maximum-Likelihood Carrier Phase Estimation with Frequency Offset. , 2012, , .		3
160	Estimation and control for a sensor moving along a one-dimensional track. International Journal of Control, 1980, 31, 1147-1159.	1.2	2
161	Maximum likelihood carrier phase recovery for coherently orthogonal CPFSK signals. IEEE Transactions on Communications, 1990, 38, 397-398.	4.9	2
162	On orthogonal signaling over the slow nonselective Rician fading channel with unknown specular component. IEEE Transactions on Communications, 1993, 41, 817-819.	4.9	2

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163	Performance of BPSK with open-loop tanlock carrier recovery. Electronics Letters, 1995, 31, 349-350.	0.5	2
164	Tight bounds on the bit error probabilities of MDPSK over the nonselective Rician fading channel. , 1995, , .		2
165	Tight bounds on the bit-error probabilities of 2DPSK and 4DPSK in nonselective Rician fading. IEEE Transactions on Communications, 1998, 46, 860-862.	4.9	2
166	Bit error probabilities of MDPSK over correlated nonselective Rayleigh fading channel with diversity reception. , 0, , .		2
167	Performance analysis of space-time trellis codes over rapid rayleigh fading channels with channel estimation. , 0, , .		2
168	Optimal differential detection and performance analysis of orthogonal space-time block codes over semi-identical MIMO fading channels. , 0, , .		2
169	Outage-Optimal Transmission Strategies for Rayleigh Fading Relay Channels. , 2006, , .		2
170	CTH12-2: Space-time Trellis Codes Over Independent, Non-identically Distributed, Rapid, Rayleigh Fading Channels with Channel Estimation. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
171	MDPSK Diversity Receiver over Rayleigh Fading Channels with Differential Detection and Nonidentical Branch Statistics. , 0, , .		2
172	On the Outage Performance of Single-Relay Transmissions over Quasi-Static Fading Channels. , 2006, , .		2
173	Bit Error Performance of Orthogonal Space-Time Block Codes over Time-Selective Channel. , 2007, , .		2
174	Kalman Estimation of Single-Tone Parameters and Performance Comparison With MAP Estimator. IEEE Transactions on Signal Processing, 2008, 56, 4508-4511.	3.2	2
175	Effect of Doppler shift on performance of binary DPSK over fast Rician fading channels with diversity reception. , 2008, , .		2
176	Design of MAC with cooperative spectrum sensing in ad hoc cognitive radio networks. , 2009, , .		2
177	A simple bit error probability analysis for square QAM in rayleigh fading with channel estimation. IEEE Transactions on Communications, 2009, 57, 2193-2197.	4.9	2
178	Performance investigation of the joint SPM compensation in a long-haul coherent dual-polarization QPSK system. , 2010, , .		2
179	Improved Chirp Parameter Estimation Using Signal Recovery Method. , 2010, , .		2
180	Pilot-aided Log-likelihood Ratio for LDPC coded M-QAM CO-OFDM System. , 2014, , .		2

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181	Efficient symbol detection for the FSO IM/DD system with automatic and adaptive threshold adjustment: The multi-level PAM case. , 2015, , .		2
182	Optimum Linewidth of Spectrum-Sliced Incoherent Light Source Using a Gain-Saturated Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2015, 33, 3744-3750.	2.7	2
183	Enhanced adaptive DA-ML carrier phase estimator and its application to accurate laser linewidth and SNR estimation. Optics Express, 2018, 26, 14817.	1.7	2
184	Performance of Adaptive Maximum Likelihood Sequence Detection with Nonlinear Phase Noise. , 2013, , .		2
185	An Improved Doppler Parameter Estimator for Synthetic Aperture Radar. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2008, 4, 201-206.	0.4	2
186	Adaptive Maximum Likelihood Sequence Detection in 100-Gb/s Coherent Optical Communication Systems. , 2013, , .		2
187	Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems. , 2016, , .		2
188	Adaptive Viterbi estimation of MPSK sequences over a Rayleigh fading channel. Electronics Letters, 1995, 31, 2142-2143.	0.5	1
189	Open-loop tanlock carrier recovery structure for BPSK and its performance. , 1995, , .		1
190	Analysis of open-loop tanlock carrier recovery for BPSK. Electronics Letters, 1997, 33, 443.	0.5	1
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