

Wern-Ho Sheen

List of Publications by Year in descending order

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62
papers

276
citations

1307594

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h-index

1199594

12
g-index

62
all docs

62
docs citations

62
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	A noncoherent tracking loop with diversity and multipath interference cancellation for direct-sequence spread-spectrum systems. IEEE Transactions on Communications, 1998, 46, 1516-1524.	7.8	38
2	A new tracking loop for direct sequence spread spectrum systems on frequency-selective fading channels. IEEE Transactions on Communications, 1995, 43, 3063-3072.	7.8	35
3	A New Lattice Reduction Algorithm for LR-Aided MIMO Linear Detection. IEEE Transactions on Wireless Communications, 2011, 10, 2417-2422.	9.2	19
4	Deployment and radio resource reuse in IEEE 802.16j multi-hop relay network in Manhattan-like environment. , 2007, , .		17
5	Effects of cell correlations in a matched-filter PN code acquisition for direct-sequence spread-spectrum systems. IEEE Transactions on Vehicular Technology, 1999, 48, 724-732.	6.3	14
6	Variable dwell-time code acquisition for direct-sequence spread-spectrum systems on time-variant Rayleigh fading channels. IEEE Transactions on Communications, 2000, 48, 1037-1046.	7.8	12
7	A new analysis of direct-sequence pseudonoise code acquisition on Rayleigh fading channels. IEEE Journal on Selected Areas in Communications, 2001, 19, 2225-2232.	14.0	9
8	Title is missing!. Wireless Networks, 1999, 5, 11-21.	3.0	8
9	Cell Search in WCDMA Under Large-Frequency and Clock Errors: Algorithms to Hardware Implementation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 659-671.	5.4	8
10	Multiple-dwell and sequential code acquisition with diversity for FFH/MFSK spread-spectrum systems under band multitone jamming. IEEE Transactions on Communications, 2000, 48, 841-851.	7.8	7
11	A low-power ASIC design for cell search in the W-CDMA system. IEEE Journal of Solid-State Circuits, 2004, 39, 852-857.	5.4	7
12	On the Design of Downlink Multiuser Transmission for a Beam-Group Division 5G System. IEEE Transactions on Vehicular Technology, 2018, 67, 7191-7203.	6.3	7
13	Burst synchronization of slotted random access with preamble power ramping in the reverse link of cdma systems. IEEE Transactions on Wireless Communications, 2003, 2, 953-963.	9.2	6
14	Downlink Performance and Optimization of Relay-Assisted Cellular Networks. , 2009, , .		6
15	15 GHz propagation channel measurement at a university campus for the 5G spectrum. , 2015, , .		6
16	Performance analysis of the biased square-law sequential detector with signal present. IEEE Transactions on Information Theory, 1997, 43, 1268-1272.	2.4	5
17	On the diversity, bandwidth, and performance of digital transmission over frequency-selective slow fading channels. IEEE Transactions on Vehicular Technology, 2000, 49, 835-843.	6.3	5
18	ASIC design for cell search in 3GPP W-CDMA. , 0, , .		5

#	ARTICLE	IF	CITATIONS
19	New load-based resource allocation algorithms for packet scheduling in CDMA uplink. , 0, , .		5
20	A Low-Latency Decoder for Punctured/Shortened Reed-Solomon Codes. , 0, , .		5
21	EXIT-Chart Based Labeling Design for Bit-interleaved Coded Modulation with Iterative Decoding. , 2007, , .		5
22	A fast multispeed comma-free reed-solomon decoder for W-CDMA applications using foldable systolic array architecture. IEEE Journal of Solid-State Circuits, 2003, 38, 677-682.	5.4	4
23	An integrated multi-scheme cell search platform for W-CDMA applications. , 0, , .		4
24	A Lattice-Reduction-Aided Max-Log List Demapper for Coded MIMO Receivers. IEEE Transactions on Vehicular Technology, 2014, 63, 664-673.	6.3	4
25	Performance of multiple-dwell pseudo-noise code acquisition with I-Q detector on frequency-nonselective multipath fading channels. , 0, , .		3
26	Power Allocation for Cooperative Bit-Interleaved Coded Modulation Systems with Decode-Remap-and-Forward Relaying. IEEE Transactions on Wireless Communications, 2012, 11, 1712-1721.	9.2	3
27	A two-user approximation-based transmit beamforming for physical-layer multicasting in mobile cellular downlink systems. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2015, 38, 742-750.	1.1	3
28	An EM Algorithm-Based Disintegrated Channel Estimator for OFDM AF Cooperative Relaying. IEICE Transactions on Communications, 2013, E96.B, 254-262.	0.7	3
29	Configurable preamble synchronizer for slotted random access in W-CDMA applications. , 0, , .		2
30	A new analysis of matched filter pseudo-noise code acquisition for direct sequence spread spectrum system. , 0, , .		2
31	On the adaptability of OFDM-CDMA forward link with time-frequency spreading in multi-path fading channels. , 0, , .		2
32	Joint estimation and compensation of transmitter and receiver radio impairments in MIMO-OFDM receivers. , 2009, , .		2
33	A New Transmit Beamforming Technique for Physical-Layer Multicasting in Cellular Downlink Systems. , 2014, , .		2
34	Joint user scheduling and interference alignment beamforming in heterogeneous wireless networks. , 2014, , .		2
35	Design of Lattice Reduction Algorithms for Linear-Precoded MIMO System. IEEE Wireless Communications Letters, 2014, 3, 46-49.	5.0	2
36	Low-power design for cell search in W-CDMA. , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	Variable dwell-time code acquisition for direct sequence spread spectrum systems on multipath fading channels. , 0, , .		1
38	Pseudoâ€Noise Code Synchronization of Multicarrier DSâ€CDMA Systems on Multipath Fading Channels Part I: Analysis of the Serial Search Multipleâ€Dwell Acquisition. European Transactions on Telecommunications, 1999, 10, 445-454.	1.2	1
39	A new analysis of direct-sequence pseudo-noise code acquisition on Rayleigh fading channels. , 0, , .		1
40	An Efficient Hardware Design for Euclidean Key Equation Solver in Reed-Solomon Decoders. , 0, , .		1
41	An Analysis on Downlink Capacity of Multi-Cell OFDMA Systems Under Randomized Inter-cell/sector Interference. IEEE Vehicular Technology Conference, 2007, , .	0.4	1
42	MMSE channel factorization for near maximum-likelihood detection of MIMO signals. , 2008, , .		1
43	A GA-based optimization for frequency-selective scheduling in downlink OFDMA systems with cyclic-delay diversity. , 2012, , .		1
44	A Low-Complexity CDD-Based Frequency Selective Scheduling with Efficient Feedback for Downlink OFDMA Systems. , 2012, , .		1
45	Performance of multiple-dwell code acquisition with diversity for multicarrier DS-CDMA systems on multipath fading channels. , 0, , .		0
46	Variable dwell-time code acquisition for FFH/MFSK spread spectrum systems under band multitone jamming and white Gaussian noise. , 0, , .		0
47	Pseudoâ€Noise Code Synchronization of Multicarrier DSâ€CDMA Systems on Multipath Fading Channels Part II: Digital Code Tracking with Diversity. European Transactions on Telecommunications, 1999, 10, 455-462.	1.2	0
48	Decision-directed compensation of modulation-index drift for high bit rate equalized GMSK radio LANs. IEEE Communications Letters, 1999, 3, 139-141.	4.1	0
49	A compact adaptive equalizer IC for HIPERLAN system. , 0, , .		0
50	A comma-free Reed-Solomon decoder chip for W-CDMA/FDD applications. , 0, , .		0
51	Accurate performance analysis of maximum likelihood frequency estimator for OFDM systems. , 2003, , .		0
52	Cell search in the 3GPP W-CDMA/FDD system under large frequency and clock offset. , 0, , .		0
53	A Tight BER Upper Bound for Bit-Interleaved Coded Modulation with Square QAM and Gray Labeling. IEEE Transactions on Wireless Communications, 2006, 5, 2983-2987.	9.2	0
54	A low-complexity power allocation for cooperative bit-interleaved coded modulation systems with adaptive decode-and-forward relaying. , 2011, , .		0

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55	New Factorization Algorithms for Channel-Factorization Aided MMSE Receiver in MIMO Systems. IEICE Transactions on Communications, 2011, E94-B, 222-233.	0.7	0
56	Characteristics of inter-cell interference for OFDMA systems in multipath Relaying fading channels. , 2013, , .		0
57	A Lattice-Reduction Aided List Demapper for Coded MIMO Receiver. , 2013, , .		0
58	An SVD-aided list demapper for iterative coded-MIMO receivers. , 2014, , .		0
59	Bit-Level List Generation for Iterative MIMO Receivers. , 2015, , .		0
60	Overview for the 37th WWRF Meeting [From the Guest Editors]. IEEE Vehicular Technology Magazine, 2018, 13, 28-29.	3.4	0
61	Pilot decontamination techniques based on beam-domain channel characteristics in millimetre-wave sparse channels. IET Communications, 2018, 12, 2493-2501.	2.2	0
62	Beam-based uplink multi-user detection for mmWave communications. IET Communications, 2019, 13, 2629-2638.	2.2	0