

Yiyan Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1864165/publications.pdf>

Version: 2024-02-01

203
papers

5,098
citations

201575

27
h-index

102432

66
g-index

204
all docs

204
docs citations

204
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	A Polygonal Line Min-Sum Decoding Scheme for Low Density Parity Check Codes. IEEE Transactions on Broadcasting, 2022, 68, 203-214.	2.5	1
2	Novel Cooperative Automatic Modulation Classification Using Vectorized Soft Decision Fusion for Wireless Sensor Networks. Sensors, 2022, 22, 1797.	2.1	5
3	New probabilistic SINR analysis for capacity and reception-quality studies of DTV transmitter identification systems. Wireless Networks, 2022, 28, 1521-1530.	2.0	0
4	Enhanced Nonuniform Constellations for High-Capacity Communications With Low-Complexity Demappers. IEEE Transactions on Broadcasting, 2022, 68, 740-752.	2.5	1
5	IEEE Transactions on Broadcasting Special Issue on: 5G Media Production, Contribution, and Distribution. IEEE Transactions on Broadcasting, 2022, 68, 415-421.	2.5	6
6	Using Layered Division Multiplexing for Wireless In-Band Distribution Links in Next Generation Broadcast Systems. IEEE Transactions on Broadcasting, 2021, 67, 68-82.	2.5	26
7	NUC Optimization-Aided Hierarchical Modulation to Achieve Comparable Capacity as Layered Division Multiplexing. IEEE Transactions on Broadcasting, 2021, 67, 337-342.	2.5	5
8	Backward Compatible Low-Complexity Demapping Algorithms for Two-Dimensional Non-Uniform Constellations in ATSC 3.0. IEEE Transactions on Broadcasting, 2021, 67, 46-55.	2.5	8
9	Novel Efficient Multiwavelet-Based Modulation for Downlink NOMA Systems. IEEE Wireless Communications Letters, 2021, 10, 1242-1246.	3.2	3
10	Integrated Inter-Tower Wireless Communications Network for Terrestrial Broadcasting and Multicasting Systems. IEEE Transactions on Broadcasting, 2021, 67, 570-581.	2.5	28
11	Broadcast Core-Network: Converging Broadcasting With the Connected World. IEEE Transactions on Broadcasting, 2021, 67, 558-569.	2.5	15
12	Novel Radio-Frequency Fingerprint Recognition Scheme Using Multiwavelets-Based Cyclic-Spectrum Graph Analysis. , 2021, , .		2
13	A Hybrid LDM, TDM/FDM and Hierarchical Modulation Signal Structure for In-band Distribution Link Transmission in SFN. , 2021, , .		1
14	Novel Cooperative Automatic Modulation Classification by Credit-based Consensus Fusion. , 2021, , .		1
15	In-Band Distribution Link Signal Detection in ATSC 3.0. , 2021, , .		9
16	ATSC 3.0 Broadcast Core Network for Next-Generation Media Delivery. , 2021, , .		9
17	Convergence of Broadcast and Broadband Performance Evaluation of Layered Division Multiplexing for 5G and Beyond. , 2021, , .		2
18	New Study of DTV Transmitter-Identification Sequence Capacity. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Novel Cooperative Automatic Modulation Classification Using Unmanned Aerial Vehicles. IEEE Sensors Journal, 2021, 21, 28107-28117.	2.4	5
20	Quasi-Cyclic Spatially Coupled LDPC Code for Broadcasting. IEEE Transactions on Broadcasting, 2020, 66, 187-194.	2.5	13
21	Using NOMA for Enabling Broadcast/Unicast Convergence in 5G Networks. IEEE Transactions on Broadcasting, 2020, 66, 503-514.	2.5	35
22	IEEE Transactions on Broadcasting Special Issue on: Convergence of Broadcast and Broadband in the 5G Era. IEEE Transactions on Broadcasting, 2020, 66, 383-389.	2.5	34
23	Enhancements on Coding and Modulation Schemes for LTE-Based 5G Terrestrial Broadcast System. IEEE Transactions on Broadcasting, 2020, 66, 481-489.	2.5	14
24	Mobile Performance Evaluation for ATSC 3.0 Physical Layer Modulation and Code Combinations Under TU-6 Channel. IEEE Transactions on Broadcasting, 2020, 66, 752-769.	2.5	26
25	Large-Scale Network Analysis on NOMA-Aided Broadcast/Unicast Joint Transmission Scenarios Considering Content Popularity. IEEE Transactions on Broadcasting, 2020, 66, 770-785.	2.5	24
26	Robust Modulation Classification Over α -Stable Noise Using Graph-Based Fractional Lower-Order Cyclic Spectrum Analysis. IEEE Transactions on Vehicular Technology, 2020, 69, 2836-2849.	3.9	32
27	Using Non-Orthogonal Multiplexing in 5G-MBMS to Achieve Broadband-Broadcast Convergence With High Spectral Efficiency. IEEE Transactions on Broadcasting, 2020, 66, 490-502.	2.5	37
28	LDM in Wireless In-Band Distribution Link and In-Band Inter-Tower Communication Networks for Backhaul, IoT and Datacasting. , 2020, , .		7
29	Innovative Modulation Scheme Using Multiwavelets for Non-orthogonal Multiple-Access Downlink Transceiver. , 2020, , .		0
30	NUC optimization for Hierarchical Modulation aiming at achieving comparable capacity with Layered Division Multiplexing. , 2020, , .		0
31	Indoor Object Localization and Tracking Using Deep Learning over Received Signal Strength. , 2020, , .		1
32	Novel Moving-Target Detection Using A Hybrid of RGB Images and LiDAR Point-Clouds. , 2020, , .		1
33	Application of Dual-Polarization Transmission for Wireless Distribution Using LDM in ATSC 3.0. , 2020, , .		1
34	Coverage Study of ATSC 3.0 Under Strong Co-Channel Interference Environments. IEEE Transactions on Broadcasting, 2019, 65, 73-82.	2.5	9
35	Using Layered-Division-Multiplexing to Deliver Multi-Layer Mobile Services in ATSC 3.0. IEEE Transactions on Broadcasting, 2019, 65, 40-52.	2.5	25
36	Novel Robust Pilot-Tone Spotting Technique Using Spectrum Clustering. IEEE Communications Letters, 2019, 23, 1590-1593.	2.5	0

#	ARTICLE	IF	CITATIONS
37	A Low Complexity Decoding Scheme for Raptor-Like LDPC Codes. IEEE Transactions on Broadcasting, 2019, 65, 770-776.	2.5	4
38	Layered-Division-Multiplexing for High Spectrum Efficiency and Service Flexibility in Next Generation ATSC 3.0 Broadcast System. IEEE Wireless Communications, 2019, 26, 116-123.	6.6	12
39	Performance Analysis of All Modulation and Code Combinations in ATSC 3.0 Physical Layer Protocol. IEEE Transactions on Broadcasting, 2019, 65, 197-210.	2.5	41
40	Graph-based Automatic Modulation Classifier for M-ary Generalized QAM Signals. , 2019, , .		1
41	Using Layered Division Multiplexing for Mixed Unicast-Broadcast Service Delivery in 5G. , 2019, , .		8
42	ATSC 3.0 In-band Backhaul for SFN Using LDM with Full Backward Compatibility. , 2019, , .		7
43	Novel Efficient Coding Scheme for Data-Rate Limited Journey-Aware Graph-Data Transmission. , 2019, , .		0
44	Unmanned Aerial Vehicle Hub Detection Using Software-Defined Radio. , 2019, , .		10
45	Evaluation of Non-Uniform Constellations for the Converged Network of Broadcast and Broadband. , 2019, , .		9
46	Average SER Analysis for Layered Division Multiplexing System with Index Modulation. , 2019, , .		0
47	Protecting Multimedia Privacy from Both Humans and AI. , 2019, , .		5
48	Capacity Analysis of 3-layer Layered Division Multiplexing System. , 2019, , .		2
49	Using Non-Orthogonal Multiplexing for Enhancing Unicast-Broadcast Transmission Capacity in 5G. , 2019, , .		5
50	Using Layered-Division-Multiplexing to Achieve Enhanced Spectral Efficiency in 5G-MBMS. , 2019, , .		7
51	Convergence of a Terrestrial Broadcast Network and a Mobile Broadband Network. IEEE Communications Magazine, 2018, 56, 74-81.	4.9	11
52	Layered-Division Multiplexing: An Enabling Technology for Multicast/Broadcast Service Delivery in 5G. IEEE Communications Magazine, 2018, 56, 82-90.	4.9	44
53	Efficient Transmission of Multiple Broadcasting Services Using LDM and SHVC. IEEE Transactions on Broadcasting, 2018, 64, 177-187.	2.5	24
54	ATSC 3.0 Transmitter Carrier and Timing Offset for Co-Channel Interference Mitigation. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
55	Using Non-Orthogonal Multiplexing for In-Band Full-Duplex Backhaul for 5G Broadcasting. , 2018, , .		3
56	Wireless In-Band Distribution Link using LDM for SFN Transmitters and Gapfillers in ATSC 3.0. , 2018, , .		5
57	Spectrum Sensing Based on Novel Blind Pilot Detection Algorithm. , 2018, , .		2
58	Novel Automatic Human-Height Measurement Using a Digital Camera. , 2018, , .		1
59	ATSC 3.0 Physical Layer Modulation and Coding Performance Analysis. , 2018, , .		1
60	Using Layered-Division-Multiplexing for In-Band Backhaul for ATSC 3.0 SFN and Gapfillers. , 2018, , .		6
61	Performance Evaluation of ATSC 3.0 Mobile Service with LDM/TDM Under TU-6 Channel. , 2018, , .		2
62	Letter of Appreciation. IEEE Transactions on Broadcasting, 2018, 64, 937-939.	2.5	0
63	ATSC 3.0 Transmitter Identification Signals and Applications. IEEE Transactions on Broadcasting, 2017, 63, 240-249.	2.5	26
64	ATSC 3.0â€”The Next Step in the Evolution of Digital Television. IEEE Transactions on Broadcasting, 2017, 63, 166-169.	2.5	16
65	Improving LTE $\{e\}$ MBMS With Extended OFDM Parameters and Layered-Division-Multiplexing. IEEE Transactions on Broadcasting, 2017, 63, 32-47.	2.5	45
66	Using LDM to Achieve Seamless Local Service Insertion and Local Program Coverage in SFN Environment. IEEE Transactions on Broadcasting, 2017, 63, 250-259.	2.5	25
67	Novel electronic scissoring algorithm. , 2017, , .		0
68	Scalable HEVC over layered division multiplexing for the next generation terrestrial broadcasting. , 2017, , .		2
69	Coverage analysis on improved LTE eMBMS with layered-division-multiplexing and longer cyclic prefix. , 2017, , .		4
70	New multimedia archiving technique using multiple quick-response codes. , 2017, , .		2
71	Coverage study of ATSC 3.0. , 2017, , .		4
72	Media Transmission by Cooperation of Cellular Network and Broadcasting Network. IEEE Transactions on Broadcasting, 2017, 63, 571-576.	2.5	14

#	ARTICLE	IF	CITATIONS
73	Software defined orchestrated spectrum sharing enabled by 3D interference map. , 2017, , .		1
74	Channel estimation strategy for using LDM to deliver local content insertion in ATSC 3.0. , 2017, , .		5
75	Letter of Appreciation. IEEE Transactions on Broadcasting, 2017, 63, 595-602.	2.5	0
76	Mobile field comparison test of LDM and TDM based on ATSC 3.0. , 2017, , .		1
77	Transmitter identification for ATSC 3.0 single frequency network. , 2017, , .		4
78	Two-layer mobile service performance in LDM-based ATSC 3.0 system. , 2016, , .		0
79	Using LDM to achieve seamless local service coverage in SFN environment. , 2016, , .		9
80	Novel automatic size measurement method using a digital camera. , 2016, , .		2
81	Improving LTE eMBMS system spectrum efficiency and service quality using channel bonding, non-orthogonal multiplexing and SFN. , 2016, , .		10
82	Capacity analysis of LDM-based DTV system with flexible MIMO configuration. , 2016, , .		7
83	Performance evaluation of multiple-PLP based LDM systems for the next generation terrestrial broadcasting. , 2016, , .		1
84	Dedicated Return Channel for ATSC 3.0. IEEE Transactions on Broadcasting, 2016, 62, 352-360.	2.5	12
85	A Novel Differential Detection for Differential OFDM Systems With High Mobility. IEEE Transactions on Broadcasting, 2016, 62, 398-408.	2.5	4
86	Layered-Division-Multiplexing: Theory and Practice. IEEE Transactions on Broadcasting, 2016, 62, 216-232.	2.5	233
87	ATSC 3.0 Next Generation Digital TV Standardâ€™An Overview and Preview of the Issue. IEEE Transactions on Broadcasting, 2016, 62, 154-158.	2.5	40
88	Low Complexity Layered Division Multiplexing for ATSC 3.0. IEEE Transactions on Broadcasting, 2016, 62, 233-243.	2.5	132
89	LDM Core Services Performance in ATSC 3.0. IEEE Transactions on Broadcasting, 2016, 62, 244-252.	2.5	47
90	Performance Characterization and Optimization of Mobile Service Delivery in LDM-Based Next Generation DTV Systems. IEEE Transactions on Broadcasting, 2015, 61, 557-570.	2.5	25

#	ARTICLE	IF	CITATIONS
91	Mobile and indoor reception performance of LDM-based next generation DTV system. , 2015, , .		5
92	Low complexity layered division multiplexing system for the next generation terrestrial broadcasting. , 2015, , .		6
93	Framing and multiple-PLP structures for LDM-based next generation terrestrial broadcasting systems. , 2015, , .		5
94	Providing Vehicular Infotainment Service Using VHF/UHF TV Bands via Spatial Spectrum Reuse. IEEE Transactions on Broadcasting, 2015, 61, 279-289.	2.5	16
95	Two Dimensional Code Based on Low Density Parity Check and Reed-Solomon Codes for the Terrestrial Cloud Transmission System. IEEE Transactions on Broadcasting, 2015, 61, 75-83.	2.5	10
96	Enhanced DFT-based channel estimation for LDM systems over SFN channels. , 2015, , .		7
97	Optimal total-downlink-transmitting-power and subchannel allocation for green cellular networks. , 2015, , .		2
98	Robust pilot-detection technique for channel estimation in single-carrier frequency-domain equalization systems. , 2015, , .		2
99	Performance Study of Layered Division Multiplexing Based on SDR Platform. IEEE Transactions on Broadcasting, 2015, 61, 436-444.	2.5	22
100	Novel Fast Blind Channel Estimation and Hessian Analysis for Transmitter Identification of Digital Television Signals. IEEE Transactions on Broadcasting, 2014, 60, 715-723.	2.5	7
101	Field Test Results of Additional Data Transmission for the ATSC Terrestrial DTV System. IEEE Transactions on Broadcasting, 2014, 60, 724-727.	2.5	5
102	Variable LLR Scaling in Min-Sum Decoding for Irregular LDPC Codes. IEEE Transactions on Broadcasting, 2014, 60, 606-613.	2.5	22
103	Large size FFTs over time-varying channels. Electronics Letters, 2014, 50, 1102-1103.	0.5	16
104	Impact analysis of wind farms on telecommunication services. Renewable and Sustainable Energy Reviews, 2014, 32, 84-99.	8.2	31
105	LDPC-RS Product Codes for Digital Terrestrial Broadcasting Transmission System. IEEE Transactions on Broadcasting, 2014, 60, 38-49.	2.5	19
106	Error propagation in the cancellation stage for a multi-layer signal reception. , 2014, , .		10
107	When vehicles meet TV white space: A QoS guaranteed dynamic spectrum access approach for VANET. , 2014, , .		19
108	Analysis on two dimensional block interleaver for the cloud transmission system. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
109	Application of DFT-based channel estimation for accurate signal cancellation in Cloud-Txn multi-layer broadcasting system. , 2014, , .		6
110	Channel capacity distribution of Layer-Division-Multiplexing system for next generation digital broadcasting transmission. , 2014, , .		26
111	LDPC-RS two dimensional code for the next generation cloud transmission system. , 2014, , .		2
112	FOBTV: Worldwide Efforts in Developing Next-Generation Broadcasting System. IEEE Transactions on Broadcasting, 2014, 60, 154-159.	2.5	24
113	Cloud Transmission: System Performance and Application Scenarios. IEEE Transactions on Broadcasting, 2014, 60, 170-184.	2.5	62
114	Raptor-Like Rate Compatible LDPC Codes and Their Puncturing Performance for the Cloud Transmission System. IEEE Transactions on Broadcasting, 2014, 60, 239-245.	2.5	52
115	A Low-Complexity Robust OFDM Receiver for Fast Fading Channels. IEEE Transactions on Broadcasting, 2014, 60, 347-357.	2.5	24
116	Cloud Transmission: System simulation and performance analysis. , 2013, , .		10
117	Quarter-rate LDPC code and its truncated performance for the cloud transmission. , 2013, , .		2
118	Backward compatible UHDTV transmission based on ADT system for the ATSC terrestrial DTV broadcasting. , 2013, , .		3
119	Multi-Layer Iterative LDPC Decoding for Broadband Wireless Access Networks: A Recursive Shortening Algorithm. IEEE Transactions on Wireless Communications, 2013, 12, 1320-1327.	6.1	4
120	A Newly Designed Quarter-Rate QC-LDPC Code for the Cloud Transmission System. IEEE Transactions on Broadcasting, 2013, 59, 155-159.	2.5	52
121	Robust synchronization for the OFDM-based cloud transmission system. , 2013, , .		3
122	Rate-compatible LDPC-RS product codes based on raptor-like LDPC codes. , 2013, , .		6
123	Cloud Transmission frequency domain cancellation. , 2013, , .		20
124	A Measurement-Based Multipath Channel Model for Signal Propagation in Presence of Wind Farms in the UHF Band. IEEE Transactions on Communications, 2013, 61, 4788-4798.	4.9	8
125	Novel channel-estimation based transmitter-identification for digital television signals. , 2013, , .		3
126	Novel robust transmitter identification technique for digital television signals. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
127	Empirical Doppler Characterization of Signals Scattered by Wind Turbines in the UHF Band under Near Field Condition. International Journal of Antennas and Propagation, 2013, 2013, 1-11.	0.7	2
128	Exploring controllable deterministic bits for LDPC iterative decoding in WiMAX networks. , 2012, , .		0
129	Novel fast algorithm to design optimal eigen filters for transmission systems. , 2012, , .		1
130	A New Positioning System Using DVB-T2 Transmitter Signature Waveforms in Single Frequency Networks. IEEE Transactions on Broadcasting, 2012, 58, 347-359.	2.5	31
131	Progressive interference cancellation for position location in DTV Single Frequency Networks. , 2012, , .		0
132	Augmented Data Transmission for the ATSC terrestrial DTV system. , 2012, , .		2
133	Augmented Data Transmission Based on Low Density Parity Check Code for the ATSC Terrestrial DTV System. IEEE Transactions on Broadcasting, 2012, 58, 637-641.	2.5	4
134	On the performance of LDPC-RS product codes for mobile DTV. , 2012, , .		6
135	Kasami sequence studies for DTV transmitter identification. IEEE Transactions on Consumer Electronics, 2012, 58, 1138-1146.	3.0	13
136	Cloud Transmission: A New Spectrum-Reuse Friendly Digital Terrestrial Broadcasting Transmission System. IEEE Transactions on Broadcasting, 2012, 58, 329-337.	2.5	329
137	Next-Generation Broadcast Television: An Overview of Enabling Technology. Smpte Motion Imaging Journal, 2012, 121, 47-63.	0.2	5
138	Efficient Rank-Adaptive Least-Square Estimation and Multiple-Parameter Linear Regression Using Novel Dyadically Recursive Hermitian Matrix Inversion. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	0.7	8
139	Empirical Evaluation of the Impact of Wind Turbines on DVB-T Reception Quality. IEEE Transactions on Broadcasting, 2012, 58, 1-9.	2.5	14
140	Augmented Data Transmission for the ATSC Terrestrial DTV System. IEEE Transactions on Broadcasting, 2012, 58, 261-268.	2.5	24
141	Spatio-temporal channel characterization: theoretical framework and applications in MIMO system design. Annales Des Telecommunications/Annals of Telecommunications, 2012, 67, 57-70.	1.6	1
142	Multi-rate LDPC codes for DTV transmission by known-bits padding. , 2011, , .		2
143	An Empirical Comparative Study of Prediction Methods for Estimating Multipath Due to Signal Scattering From Wind Turbines on Digital TV Services. IEEE Transactions on Broadcasting, 2011, 57, 195-203.	2.5	12
144	Improve the Performance of LDPC Coded QAM by Selective Bit Mapping in Terrestrial Broadcasting System. IEEE Transactions on Broadcasting, 2011, 57, 263-269.	2.5	28

#	ARTICLE	IF	CITATIONS
145	A New Approach for Optimal Multiple Watermarks Injection. IEEE Signal Processing Letters, 2011, 18, 575-578.	2.1	12
146	Signal Cancellation Techniques for RF Watermark Detection in an ATSC Mobile DTV System. IEEE Transactions on Vehicular Technology, 2011, 60, 4070-4076.	3.9	6
147	Field Measurements of EM Radiation From In-House Power Line Telecommunications (PLT) Devices. IEEE Transactions on Broadcasting, 2011, 57, 57-65.	2.5	2
148	Selective bit mapping for Chinese DTMB LDPC coded QAM modulation scheme. , 2011, , .		1
149	A new approach for optimal multiple watermarks injection. , 2011, , .		3
150	Performance of the Consumer ATSC-DTV Receivers in the Presence of Single or Double Interference on Adjacent/Taboo Channels. IEEE Transactions on Broadcasting, 2010, 56, 1-8.	2.5	8
151	On the Channel and Signal Cross Correlation of Downlink and Uplink Mobile UHF DTV Channels With Antenna Diversity. IEEE Transactions on Broadcasting, 2010, 56, 235-248.	2.5	4
152	A Time Slicing Adaptive OFDM System for Mobile Multimedia Communications. IEEE Transactions on Broadcasting, 2010, 56, 226-234.	2.5	9
153	Designing LDPC Codes with Gated Noise Model for Terrestrial Mobile DTV Channels. , 2010, , .		0
154	A Modified Belief Propagation Algorithm Based on Attenuation of the Extrinsic LLR. , 2010, , .		0
155	New Identification Sequence Analysis for Multiple Transmitters Subject to Arbitrary Topologies. , 2010, , .		4
156	An efficient receiver structure for robust data transmission using TxID signal in the ATSC DTV system. , 2010, , .		1
157	Novel adaptive blind-equalizer-order selection scheme for multiple-input multiple-output channels. , 2010, , .		1
158	An Efficient Receiver Structure for Robust Data Transmission using TxID Signal in the ATSC DTV System. IEEE Transactions on Consumer Electronics, 2010, 56, 408-414.	3.0	24
159	Progressive Automatic Detection of OFDM System Parameters for Universal Mobile DTV Receiver. , 2010, , .		2
160	Mobile Location Finding Using ATSC Mobile/Handheld Digital TV RF Watermark Signals. , 2010, , .		3
161	Geometric capacity studies for DTV transmitter identification using Kasami sequences. , 2010, , .		7
162	Transmitter identification of ATSC DTV under mobile environment. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
163	Field test results of distributed translator network for ATSC terrestrial DTV system. , 2010, , .		1
164	Effects of distinct signaling over the reserved symbols in DFS per transmitter on legacy ATSC receivers. , 2010, , .		0
165	An ITD based automatic digital modulation recognition algorithm for broadband mobile multimedia communication system. , 2010, , .		2
166	New Theoretical Studies and Optimal Cluster-Population Determination for Hierarchical Networks. , 2009, , .		1
167	A novel adaptive prefix interval scheme for MIMO OFDM systems. , 2009, , .		2
168	A novel three-stage ATSC TxID identifier for robust data broadcasting. , 2009, , .		2
169	Efficient Non-Pilot-Aided Channel Length Estimation for Digital Broadcasting Receivers. IEEE Transactions on Broadcasting, 2009, 55, 633-641.	2.5	39
170	Enhanced ATSC DTV channel estimation. , 2009, , .		6
171	Identification of PCP-OFDM Signals at Very Low SNR for Spectrum Efficient Communications. , 2009, , .		8
172	An Overview of IPTV Standards Development. IEEE Transactions on Broadcasting, 2009, 55, 315-328.	2.5	68
173	Recent and future development of the ATSC standards. , 2009, , .		0
174	Robust Emergency Communications Using TxID Watermark of ATSC DTV System. Journal of Communications, 2009, 4, .	1.3	6
175	An Overview: Peak-to-Average Power Ratio Reduction Techniques for OFDM Signals. IEEE Transactions on Broadcasting, 2008, 54, 257-268.	2.5	1,156
176	A Hybrid Domain Block Equalizer for Single-Carrier Modulated Systems. IEEE Transactions on Broadcasting, 2008, 54, 91-99.	2.5	8
177	Evaluating the Use of Cross-Polarization Discrimination in Mitigating Interference from Unlicensed Devices onto DTV. IEEE Transactions on Broadcasting, 2008, 54, 779-783.	2.5	1
178	Novel Pilot-Free Adaptive Modulation for Wireless OFDM Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 3863-3867.	3.9	28
179	Theoretical studies and efficient algorithm of semi-blind ICI equalization for OFDM. IEEE Transactions on Wireless Communications, 2008, 7, 3791-3798.	6.1	31
180	Robust switching blind equalizer for wireless cognitive receivers. IEEE Transactions on Wireless Communications, 2008, 7, 1461-1465.	6.1	27

#	ARTICLE	IF	CITATIONS
181	Design and implementation of frequency domain equalizer for ATSC system. , 2008, , .		3
182	Derivation of PAPR Distribution for OFDM Wireless Systems Based on Extreme Value Theory. IEEE Transactions on Wireless Communications, 2008, 7, 1298-1305.	6.1	108
183	The effect of unlicensed cognitive device operation on digital television performance in the VHF/UHF band. , 2008, , .		2
184	Analysis and Algorithm for Non-Pilot-Aided Channel Length Estimation in Wireless Communications. , 2008, , .		2
185	A Time Slicing Technique for Mobile Multimedia Communications using MSE-OFDM System. IEEE Vehicular Technology Conference, 2008, , .	0.2	3
186	Trade-Off Driven Hybrid Wideband Source Localization Algorithm for Acoustic Sensors. , 2008, , .		0
187	From the Guest Editors: Special Issue on Mobile Multimedia Broadcasting. IEEE Transactions on Broadcasting, 2007, 53, 143-144.	2.5	2
188	An MSE-OFDM System with Reduced Implementation Complexity Using Pseudo Random Prefix. , 2007, , .		10
189	Cross-Layer Signaling and Interface Design for OFDM Systems Using Overlay Watermarks. , 2007, , .		0
190	On the Computational Complexity of MSE-OFDM System using Pseudo Random Cyclic Prefix. , 2007, , .		2
191	Distributive Pilot Arrangement Based on Modified M-sequences for OFDM Intercarrier Interference Estimation. IEEE Transactions on Wireless Communications, 2007, 6, 1605-1609.	6.1	25
192	Location-Aware Cross-Layer Design Using Overlay Watermarks. Advances in Multimedia, 2007, 2007, 1-9.	0.2	1
193	A New Position Location System Using DTV Transmitter Identification Watermark Signals. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	27
194	Digital Broadcasting Television Channel Measurements and Characterization for SIMO Mobile Reception. IEEE Transactions on Broadcasting, 2006, 52, 450-463.	2.5	13
195	SPC07-6: Iterative Channel Estimation and PAPR Reduction for OFDM System With Overlay Watermarks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
196	Performance Analysis and Implementation of a New Position Location System Using DTV TxID Watermark. , 2006, , .		1
197	Robust data transmission using the transmitter identification sequences in ATSC DVT signals. IEEE Transactions on Consumer Electronics, 2005, 51, 41-47.	3.0	34
198	Comparison of terrestrial DTV transmission systems: the ATSC 8-VSB, the DVB-T COFDM, and the ISDB-T BST-OFDM. IEEE Transactions on Broadcasting, 2000, 46, 101-113.	2.5	91

#	ARTICLE	IF	CITATIONS
199	COFDM: an overview. IEEE Transactions on Broadcasting, 1995, 41, 1-8.	2.5	685
200	Orthogonal frequency division multiplexing: a multi-carrier modulation scheme. IEEE Transactions on Consumer Electronics, 1995, 41, 392-399.	3.0	308
201	Modulation and Channel Coding for ATV Terrestrial Transmission. , 1994, , .		0
202	On the comparison between conventional ofdm and mse-ofdm systems. , 0, , .		20
203	MSE-OFDM: a New OFDM Transmission Technique with Improved System Performance. , 0, , .		12