

# Wangrok Oh

## List of Publications by Year in descending order

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46  
papers

331  
citations

1040056

9  
h-index

888059

17  
g-index

46  
all docs

46  
docs citations

46  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmitter Identification Signal Analyzer for Single Frequency Network. IEEE Transactions on Broadcasting, 2008, 54, 383-393.	3.2	56
2	Joint decoding and carrier phase recovery algorithm for turbo codes. IEEE Communications Letters, 2001, 5, 375-377.	4.1	53
3	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.	3.6	24
4	Augmented Data Transmission for the ATSC Terrestrial DTV System. IEEE Transactions on Broadcasting, 2012, 58, 261-268.	3.2	24
5	Reception Power Estimation Using Transmitter Identification Signal for Single Frequency Network. IEEE Transactions on Broadcasting, 2009, 55, 652-655.	3.2	23
6	A Novel Data Transmission Scheme for ATSC Terrestrial DTV Systems. ETRI Journal, 2012, 34, 168-174.	2.0	23
7	Novel Equalization On-Channel Repeater with Feedback Interference Canceller in Terrestrial Digital Multimedia Broadcasting System. ETRI Journal, 2009, 31, 357-364.	2.0	21
8	RF Watermark Backward Compatibility Tests for the ATSC Terrestrial DTV Receivers. IEEE Transactions on Broadcasting, 2011, 57, 246-252.	3.2	20
9	Iterative frequency-domain inter-carrier interference cancellation for coded SEFDM. Electronics Letters, 2017, 53, 1333-1335.	1.0	11
10	Additional data transmission scheme using TxID signal for ATSC system. , 2010, , .		10
11	Faster Than Nyquist Transmission With Multiple Turbo-Like Codes. IEEE Communications Letters, 2016, 20, 1745-1747.	4.1	8
12	Iterative Decoding and Channel Parameter Estimation Algorithms for Repeat-and-Accumulate Codes. IEEE Transactions on Communications, 2005, 53, 1597-1602.	7.8	6
13	Additional Data Transmission Based on Sequence Phase Modulation for the ATSC Terrestrial DTV System. IEEE Transactions on Broadcasting, 2013, 59, 693-697.	3.2	6
14	Measurement and Analysis of Human Body Channel Response for Biometric Recognition. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	6
15	Measurement and Evaluation of Electric Signal Transmission Through Human Body by Channel Modeling, System Design, and Implementation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	6
16	Turbo decoder. IEEE Communications Letters, 2000, 4, 255-257.	4.1	4
17	A New Channel Reliability Value for Iterative MAP Turbo Decoder. , 2008, , .		3
18	Synchronization and channel equalization for upstream cable modem. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
19	Additional data transmission scheme for the ATSC terrestrial DTV systems based on a low rate systematic irregular repeat-accumulate code. , 2011, , .		3
20	Spiking Neural Networks-Inspired Signal Detection Based on Measured Body Channel Response. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-16.	4.7	3
21	Upstream Channel Synchronization for Cable Modem System. International Conference on Advanced Communication Technology, 2007, , .	0.0	2
22	Equalization OCR with feedback interference canceller for T-DMB system. , 2009, , .		2
23	Tone-interference cancellation algorithm for direct-sequence spread-spectrum systems. , 2009, , .		2
24	Optimized 16-QAM Constellation for Binary Turbo Codes. IEICE Transactions on Communications, 2010, E93-B, 381-384.	0.7	2
25	Augmented Data Transmission for the ATSC terrestrial DTV system. , 2012, , .		2
26	Complexity reduced turbo-coded interleaved coded modulation with iterative decoding. IET Communications, 2015, 9, 1076-1080.	2.2	2
27	Improving the Performance of Turbo Codes With a Simple Protection Scheme for Error-Prone Bit Positions. IEEE Transactions on Communications, 2005, 53, 1777-1781.	7.8	1
28	An efficient receiver structure for robust data transmission using TxID signal in the ATSC DTV system. , 2010, , .		1
29	An improved method for decision-directed blind equalization algorithm. , 2011, , .		1
30	Enhanced min-sum decoding for DVB-T2 LDPC codes. , 2013, , .		1
31	A low complexity turbo coded BICM-ID. , 2013, , .		1
32	Packet error rate measurement using IEEE 802.15.4-based modem on the Korea high-speed train. , 2015, , .		1
33	Design And Implementation Of A Wideband CDMA modem. , 1997, , .		0
34	Modified RA codes suitable for BPSK modulated systems with non-data-aided carrier recovery. , 2005, , .		0
35	Novel channel estimation method for coherent IR-UWB. , 2008, , .		0
36	180-DEG. Rotationally Invariant Repeat-Accumulate Codes. IEICE Transactions on Communications, 2009, E92-B, 1884-1887.	0.7	0

#	ARTICLE	IF	CITATIONS
37	Protection ratio between ATSC digital broadcasting and WiBro systems. , 2010, , .		0
38	Signal detection for orthogonal space-time block codes without transceiver linearization property. , 2010, , .		0
39	AGC Algorithm for IEEE 802.11a Based on Correlator and Threshold Detector. , 2012, , .		0
40	Improving the Performance of the Capon Algorithm by Nulling Elements of an Inverse Covariance Matrix. , 2012, , .		0
41	Dual-band FSK modulation scheme for narrowband emergency broadcast systems. , 2013, , .		0
42	Frame structure design for wake-up system using DTV excess bandwidth for emergency alerting. , 2014, , .		0
43	Enhancement method according to the estimation of noise variance for the turbo decoder. , 2015, , .		0
44	180° rotationally invariant polar code. Electronics Letters, 2019, 55, 26-28.	1.0	0
45	Transceiver and Symbol Structures for Two-dimensional Faster-Than-Nyquist Transmission. Journal of Institute of Control, Robotics and Systems, 2018, 24, 915-918.	0.2	0
46	Multi-user Coding Scheme for High Spectral Efficient Transmission. , 2019, , .		0