

# Dong-Jo Park

## List of Publications by Citations

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45  
papers

206  
citations

8  
h-index

11  
g-index

79  
ext. papers

284  
ext. citations

3.1  
avg, IF

2.63  
L-index

#	Paper	IF	Citations
45	Performance analysis and optimization of cyclic production lines. <i>IIE Transactions</i> , <b>2002</b> , 34, 411-422		21
44	Design of new adaptive fuzzy logic controller for nonlinear plants with unknown or time-varying dead zones. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1998</b> , 6, 482-491	8.3	20
43	A Novel Template Matching Scheme for Fast Full-Search Boosted by an Integral Image. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 107-110	3.2	16
42	Linear Precoding Design for Mutual Information Maximization in Generalized Spatial Modulation With Finite Alphabet Inputs. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1323-1326	3.8	12
41	Feasibility study and spatial-temporal characteristics analysis for 28 GHz outdoor wireless channel modelling. <i>IET Communications</i> , <b>2016</b> , 10, 2352-2362	1.3	12
40	A New Power Allocation Method for Parallel AWGN Channels in the Finite Block Length Regime. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 1392-1395	3.8	11
39	Iterative Channel Estimation and LDPC Decoding With Encoded Pilots. <i>IEEE Transactions on Vehicular Technology</i> , <b>2008</b> , 57, 273-285	6.8	11
38	A new LDPC decoding algorithm aided by segmented cyclic redundancy checks for magnetic recording channels. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 2318-2320	2	8
37	Hidden Pilot Based Precoder Design for MIMO-OFDM Systems. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 657-659	3.8	7
36	Performance analysis and optimization of cyclic production lines. <i>IIE Transactions</i> , <b>2002</b> , 34, 411-422		7
35	New Channel Estimation Exploiting Reliable Decision-Feedback Symbols for OFDM Systems <b>2006</b> ,		6
34	Novel precision target detection with adaptive thresholding for dynamic image segmentation. <i>Machine Vision and Applications</i> , <b>2001</b> , 12, 259-270	2.8	6
33	Measurements and analyses of 28 GHz indoor channel propagation based on a synchronized channel sounder using directional antennas. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2016</b> , 30, 2039-2054	1.3	5
32	Timing Estimation Based on Statistical Change of Symmetric Correlator for OFDM Systems. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 397-400	3.8	5
31	Constrained Codebook Design for a MISO Beamforming System in a Rician Channel <b>2009</b> ,		5
30	Randomized cyclic delay code for cooperative communication systems. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 271-273	3.8	5
29	A new antenna selection algorithm with low complexity for MIMO wireless systems		5

28	Characterization of Hazardous Gases Using an Infrared Hyperspectral Imaging System. <i>Instrumentation Science and Technology</i> , <b>2015</b> , 43, 469-484	1.4	4
27	Measurements and Analysis of Radio Propagation at 28 GHz in Vegetated Areas of Typical Residential Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4149-4154	4.9	4
26	Mitigation of transmit correlation for TIMO spatial multiplexing through phase rotation. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 118-120	3.8	4
25	A New Synchronization Scheme Exploiting Mean Energy Profile in UWB Non-coherent Receiver <b>2006</b> ,		4
24	Sum Rate Maximization of an MIMO Two-Way Relay System Using MSE Duality. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 863-866	3.8	3
23	Smart sensing strategy for SPRT considering fast changing sample statistics in cognitive radio systems <b>2012</b> ,		3
22	Design of preamble signal for synchronization with UWB non-coherent energy detection receiver		3
21	Sequential Detector Design for Spectrum Sensing Considering Instantaneously Nonidentically Distributed Samples. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 2158-2169	6.8	2
20	Optimal Beamforming with Combining for the Non-Orthogonal Amplify-and-Forward (NAF) Protocol in Cooperative Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 1038-1043	9.6	2
19	Development of work assistant mobile robot system for the handicapped in a real manufacturing environmentz		2
18	New enhancement algorithm for fingerprint images		2
17	Robust Beamforming and Time Allocation for Full-Duplex Wireless-Powered Communication Networks. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 1665-1669	3.8	1
16	Beamforming of Amplify-and-Forward Relays under Individual Power Constraints. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 1347-1357	14.2	1
15	2:1 Candidate Position Subsampling Technique for Fast Optimal Motion Estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 1052-1056	6.4	1
14	Average approach to amplify-and-forward relay networks <b>2009</b> ,		1
13	A Fast Block Matching Technique Using a Gradual Voting Strategy. <i>IEICE Transactions on Information and Systems</i> , <b>2010</b> , E93-D, 926-929	0.6	1
12	Inverse mapping using FLS and its application to control		1
11	Convergence analysis of sign-sign LMS algorithm for adaptive filters with correlated Gaussian data		1

10	Nonlinear channel equalization using new neural network model		1
9	Joint Design of Uplink-Downlink MIMO Relay Networks Using Duality. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95-B, 333-336	0.5	1
8	A multicode-PPM scheme for high data rate UWB communication systems. <i>Journal of Communications and Networks</i> , <b>2009</b> , 11, 271-278	4.1	0
7	Population Estimation of RFID Tags Using Hadamard Footprints. <i>IEICE Transactions on Communications</i> , <b>2010</b> , E93-B, 2473-2476	0.5	0
6	Design of a Hard Expectation-Maximization-Based Normalized Matched Filter (EM-NMF) for the Detection of Chemical Warfare Agents Under Background Contamination. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 2940-2952	4.7	0
5	Dynamic one-shot target detection and classification using a pseudo-Siamese network and its application to Raman spectroscopy. <i>Analyst, The</i> , <b>2021</b> , 146, 6997-7004	5	0
4	On Spherical Linear Interpolation for MIMO-OFDM Beamforming Systems. <i>IEICE Transactions on Communications</i> , <b>2011</b> , E94-B, 1487-1490	0.5	
3	Density-Aware Scheduling Based on the Exclusive Region in UWB-WPAN Systems. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95.B, 2074-2079	0.5	
2	KeyQ: A Dynamic Key Establishment Method Using an RFID Anti-Collision Protocol. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2014</b> , E97.A, 2662-2666	0.4	0.4
1	Cell Clustering Algorithm in Uplink Network MIMO Systems with Individual SINR Constraints. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2014</b> , E97.A, 698-703	0.4	0.4