Dong-Jo Park

List of Publications by Year
in descending order

79 papers	369 citations	932766 10 h-index	996533 15 g-index
79 all docs	79 docs citations	79 times ranked	308 citing authors

#	Article	IF	Citations
1	Design of new adaptive fuzzy logic controller for nonlinear plants with unknown or time-varying dead zones. IEEE Transactions on Fuzzy Systems, 1998, 6, 482-491.	6.5	34
2	Performance analysis and optimization of cyclic production lines. IIE Transactions, 2002, 34, 411-422.	2.1	25
3	A Novel Template Matching Scheme for Fast Full-Search Boosted by an Integral Image. IEEE Signal Processing Letters, 2010, 17, 107-110.	2.1	23
4	Iterative Channel Estimation and LDPC Decoding With Encoded Pilots. IEEE Transactions on Vehicular Technology, 2008, 57, 273-285.	3.9	19
5	Feasibility study and spatialâ€"temporal characteristics analysis for 28 GHz outdoor wireless channel modelling. IET Communications, 2016, 10, 2352-2362.	1.5	18
6	A New Power Allocation Method for Parallel AWGN Channels in the Finite Block Length Regime. IEEE Communications Letters, 2012, 16, 1392-1395.	2.5	15
7	Timing Estimation Based on Statistical Change of Symmetric Correlator for OFDM Systems. IEEE Communications Letters, 2013, 17, 397-400.	2.5	14
8	Linear Precoding Design for Mutual Information Maximization in Generalized Spatial Modulation With Finite Alphabet Inputs. IEEE Communications Letters, 2015, 19, 1323-1326.	2.5	14
9	Convergence analysis of sign-sign LMS algorithm for adaptive filters with correlated Gaussian data. , 0, , .		11
10	New enhancement algorithm for fingerprint images. , 0, , .		11
11	Hidden Pilot Based Precoder Design for MIMO-OFDM Systems. IEEE Communications Letters, 2008, 12, 657-659.	2.5	11
12	Novel precision target detection with adaptive thresholding for dynamic image segmentation. Machine Vision and Applications, 2001, 12, 259-270.	1.7	10
13	A new LDPC decoding algorithm aided by segmented cyclic redundancy checks for magnetic recording channels. IEEE Transactions on Magnetics, 2005, 41, 2318-2320.	1.2	10
14	Self-tuning fuzzy controller with variable universe of discourse. , 0, , .		9
15	A new antenna selection algorithm with low complexity for MIMO wireless systems. , 0, , .		9
16	New Channel Estimation Exploiting Reliable Decision-Feedback Symbols for OFDM Systems. , 2006, , .		8
17	Constrained Codebook Design for a MISO Beamforming System in a Rician Channel. , 2009, , .		8
18	Measurements and analyses of 28 GHz indoor channel propagation based on a synchronized channel sounder using directional antennas. Journal of Electromagnetic Waves and Applications, 2016, 30, 2039-2054.	1.0	8

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19	Measurements and Analysis of Radio Propagation at 28 GHz in Vegetated Areas of Typical Residential Environments. IEEE Transactions on Antennas and Propagation, 2020, 68, 4149-4154.	3.1	8
20	Performance analysis and optimization of cyclic production lines. IIE Transactions, 2002, 34, 411-422.	2.1	7
21	A New Synchronization Scheme Exploiting Mean Energy Profile in UWB Non-coherent Receiver. , 2006, , .		7
22	Mitigation of transmit correlation for TIMO spatial multiplexing through phase rotation. IEEE Communications Letters, 2008, 12, 118-120.	2.5	7
23	Characterization of Hazardous Gases Using an Infrared Hyperspectral Imaging System. Instrumentation Science and Technology, 2015, 43, 469-484.	0.9	7
24	Randomized cyclic delay code for cooperative communication systems. IEEE Communications Letters, 2008, 12, 271-273.	2.5	6
25	Design of Preamble Signal for Synchronization with UWB Non-coherent Energy Detection Receiver. , 0, , .		5
26	Adaptive relay selection for hybrid relay systems. , 2010, , .		4
27	Dynamic one-shot target detection and classification using a pseudo-Siamese network and its application to Raman spectroscopy. Analyst, The, 2021, 146, 6997-7004.	1.7	4
28	Fast bit and power allocation algorithm for OFDM systems. , 0, , .		3
29	Development of Work Assistant Mobile Robot System for the Handicapped in a Real Manufacturing Environment. , 0, , .		3
30	Fast Block Matching Algorithm Using Spatial Intensity Distribution. , 0, , .		3
31	Wireless image communication system for fire-fighting robots. , 2010, , .		3
32	Optimal Beamforming with Combining for the Non-Orthogonal Amplify-and-Forward (NAF) Protocol in Cooperative Communication Systems. IEEE Transactions on Wireless Communications, 2011, 10, 1038-1043.	6.1	3
33	Beamforming of Amplify-and-Forward Relays under Individual Power Constraints. IEEE Journal on Selected Areas in Communications, 2012, 30, 1347-1357.	9.7	3
34	Smart sensing strategy for SPRT considering fast changing sample statistics in cognitive radio systems. , 2012, , .		3
35	Sum Rate Maximization of an MIMO Two-Way Relay System Using MSE Duality. IEEE Communications Letters, 2015, 19, 863-866.	2.5	3
36	Sequential Detector Design for Spectrum Sensing Considering Instantaneously Nonidentically Distributed Samples. IEEE Transactions on Vehicular Technology, 2017, 66, 2158-2169.	3.9	3

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37	Design and performance analysis of UWB TH-MA scheme using multi-code based PPM. , 0, , .		2
38	New Channel Estimation Scheme Exploiting Reliable Decision Feedback Symbols for OFDM Systems. , 0, , .		2
39	Simple phase rotation for two-input multile-output spatial multiplexing in transmit correlated channels. , 2007, , .		2
40	An effective successive elimination algorithm for fast optimal block-matching motion estimation. , 2008, , .		2
41	A multicoded-PPM scheme for high data rate UWB communication systems. Journal of Communications and Networks, 2009, 11, 271-278.	1.8	2
42	Average approach to amplify-and-forward relay networks. , 2009, , .		2
43	2:1 Candidate Position Subsampling Technique for Fast Optimal Motion Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1052-1056.	5.6	2
44	Robust Beamforming and Time Allocation for Full-Duplex Wireless-Powered Communication Networks. IEEE Communications Letters, 2019, 23, 1665-1669.	2.5	2
45	Nonlinear channel equalization using new neural network model. , 0, , .		1
46	Inverse mapping using FLS and its application to control. , 0, , .		1
47	New blind separation algorithm using cumulant measure. , 0, , .		1
48	Low-complexity hop timing synchronization in frequency hopping systems. , 0, , .		1
49	An Efficient Diamond Search with Large Kite Search Patterns for Fast Block Motion Estimation. , 2006, , .		1
50	Performance of Randomized Cyclic Delay Code Encoded by Convolutional Coding. IEEE Vehicular Technology Conference, 2008, , .	0.2	1
51	A New Channel Estimation Method Using Phase-Shifted Pilot Sequence for MIMO-OFDM Systems. IEEE Vehicular Technology Conference, 2008, , .	0.2	1
52	Maximum likelihood population estimator of RFID tags with Hadamard footprint. , 2009, , .		1
53	A Fast Block Matching Technique Using a Gradual Voting Strategy. IEICE Transactions on Information and Systems, 2010, E93-D, 926-929.	0.4	1
54	Closed-form interpolations for MISO-OFDM beamforming codewords. , 2010, , .		1

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55	Adaptive relay selection and power allocation for hybrid relay systems. , 2012, , .		1
56	Design of a Hard Expectation-Maximization-Based Normalized Matched Filter (EM-NMF) for the Detection of Chemical Warfare Agents Under Background Contamination. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2940-2952.	2.3	1
57	Population Estimation of RFID Tags Using Hadamard Footprints. IEICE Transactions on Communications, 2010, E93-B, 2473-2476.	0.4	1
58	Joint Design of Uplink-Downlink MIMO Relay Networks Using Duality. IEICE Transactions on Communications, 2012, E95-B, 333-336.	0.4	1
59	Acceleration of learning speed in neural networks by reducing weight oscillations. , 0, , .		0
60	New accelerated learning algorithm motivated from novel shape of error surfaces for multilayer feedforward neural networks. , 0, , .		0
61	Control of dead-zone process using online parameter-adaptive fuzzy logic control. , 1999, , .		0
62	Linear MMSE receiver using hidden training sequence in multipath channel for the W-CDMA system. , 0, , .		0
63	Delay estimation for space-time coded signals over Rayleigh fading channels. , 0, , .		0
64	Throughput enhancement for short packets in the wireless packet networks. , 0, , .		0
65	Reduced modulation modes for bit and power allocation in multi-carrier transmissions. , 0, , .		0
66	A New Preamble Design for Synchronization and Cell Searching Algorithms in OFDM Cellular Systems. IEEE Vehicular Technology Conference, 2008, , .	0.2	0
67	Adaptive relay selection on individual power constraint for hybrid relay systems. , 2009, , .		0
68	Derivations of decoder and beamforming vector for amplify—and—forward relays based on the Cauchy-Schwartz inequality. , 2009, , .		0
69	An adaptive space-time coding based relay allocation scheme in AF cooperative systems. , 2009, , .		0
70	A resource assignment algorithm to enhance outage performance in cooperative systems. , 2010, , .		0
71	Affine precodino for hidden pilot desion for MIMO-OFDMA systems. , 2010, , .		0
72	MIMO precoding in the ad hoc networks. , 2010, , .		0

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73	On Spherical Linear Interpolation for MIMO-OFDM Beamforming Systems. IEICE Transactions on Communications, 2011, E94-B, 1487-1490.	0.4	0
74	A CSI feedback scheme for beamforming at AF relays. , 2011, , .		0
75	Density-Aware Scheduling Based on the Exclusive Region in UWB-WPAN Systems. IEICE Transactions on Communications, 2012, E95.B, 2074-2079.	0.4	0
76	KeyQ: A Dynamic Key Establishment Method Using an RFID Anti-Collision Protocol. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 2662-2666.	0.2	0
77	Cell Clustering Algorithm in Uplink Network MIMO Systems with Individual SINR Constraints. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 698-703.	0.2	0
78	Blind separation of sources using decorrelation process. , 0, , .		0
79	Design of a Cooperative Chemical Agent (CA) Detection Algorithm with the Hyperspectral Imaging System. , 2021, , .		0