Hari Krishna Garg

List of Publications by Year
in descending order

38 papers	**1,444** citations	933447 **10** h-index	888059 **17** g-index
38 all docs	**38** docs citations	**38** times ranked	**964** citing authors

#	Article	IF	Citations
1	Optimal power allocation for fading channels in cognitive radio networks: Ergodic capacity and outage capacity. IEEE Transactions on Wireless Communications, 2009, 8, 940-950.	9.2	541
2	On The Han–Kobayashi Region for theInterference Channel. IEEE Transactions on Information Theory, 2008, 54, 3188-3195.	2.4	215
3	Optimal Power Allocation Strategies for Fading Cognitive Radio Channels with Primary User Outage Constraint. IEEE Journal on Selected Areas in Communications, 2011, 29, 374-383.	14.0	194
4	Optimal power allocation for OFDM-based cognitive radio with new primary transmission protection criteria. IEEE Transactions on Wireless Communications, 2010, 9, 2066-2075.	9.2	152
5	Distributed Power Control for Spectrum-Sharing Femtocell Networks Using Stackelberg Game. , 2011, , .		74
6	Optimal training sequences for channel estimation in bi-directional relay networks with multiple antennas. IEEE Transactions on Communications, 2010, 58, 474-479.	7.8	46
7	Interference Channels With Common Information. IEEE Transactions on Information Theory, 2008, 54, 171-187.	2.4	45
8	Capacity Theorems for the "Z" Channel. IEEE Transactions on Information Theory, 2007, 53, 1348-1365.	2.4	37
9	Fading Cognitive Multiple Access Channels: Outage Capacity Regions and Optimal Power Allocation. IEEE Transactions on Wireless Communications, 2010, 9, 2382-2391.	9.2	24
10	Monobit digital Eigen-based receiver for transmitted-reference UWB communications. IEEE Transactions on Wireless Communications, 2009, 8, 2312-2316.	9.2	17
11	New Error Control Algorithms for Residue Number System Codes. ETRI Journal, 2016, 38, 326-336.	2.0	15
12	On Outage Capacity of Secondary Users in Fading Cognitive Radio Networks with Primary User's Outage Constraint. , 2009, , .		10
13	Cooperative Multichannel Directional Medium Access Control for Ad Hoc Networks. IEEE Systems Journal, 2017, 11, 2675-2686.	4.6	9
14	New Residue Arithmetic Based Barrett Algorithms: Modular Integer Computations. IEEE Access, 2016, 4, 4882-4890.	4.2	6
15	Capacity Theorems for the Gaussian Zigzag Channel. , 2006, , .		5
16	The Capacity Region of a Class of Interference Channels. , 2007, , .		5
17	On Achievable Rates for Relay Channels. , 2007, , .		5
18	Multi-channel Directional Medium Access Control for ad hoc networks: A cooperative approach. , 2014, , .		5

#	Article	IF	Citations
19	An Achievable Rate Region for Interference Channels with Common Information. , 2006, , .		4
20	Discrete Memoryless Interference Channels with Fee back. , 2007, , .		4
21	New focusing scheme for DOA estimation of multipath clusters in WiMedia UWB systems without coarse estimation of angle of arrival. IEEE Communications Letters, 2010, 14, 103-105.	4.1	4
22	On the factorization of polynomials and direct sum properties in integer polyomial rings. Circuits, Systems, and Signal Processing, 1996, 15, 415-435.	2.0	3
23	Sub-mA single ended CMOS low noise amplifier with 2.41 dB noise figure. Analog Integrated Circuits and Signal Processing, 2006, 48, 79-83.	1.4	3
24	DOA Estimation of multipath clusters in WiMedia UWB systems. , 2008, , .		3
25	Power Allocation for OFDM-Based Cognitive Radio Systems with Hybrid Protection to Primary Users. , 2009, , .		3
26	Directional medium access control for ad hoc networks: A cooperation-based approach. , 2013, , .		3
27	Symmetric polynomial & CRT based algorithms for multiple frequency determination from undersampled waveforms. , 2016, , .		3
28	Multiple feedback algorithm for RFID MAC protocols. IEEE Communications Letters, 2009, 13, 640-642.	4.1	2
29	Pedestrian Dead Reckoning with Turn-Based Correction. , 2018, , .		2
30	The Capacity Region of a Class of Deterministic Interference Channels with Common Information. , 2007, , .		1
31	Reverberation canceling wireless aid for hearing impaired. Analog Integrated Circuits and Signal Processing, 2007, 51, 155-167.	1.4	1
32	Efficient scheme for DOA ESTIMATION of Multipath Clusters in WiMedia UWB systems. , 2008, , .		1
33	Optimal Power Allocation for Fading Cognitive Multiple Access Channels: Individual Outage Capacity Region. , 2010, , .		1
34	New residue arithmetic based Barrett algorithms: Modular polynomial computations. , 2017, , .		1
35	On skew circular convolution algorithms over finite integer rings. , 0, , .		0
36	On fast algorithms for one-dimensional digital signal processing in finite integer and complex integer rings. Circuits, Systems, and Signal Processing, 2001, 20, 619-634.	2.0	0

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37	A novel channel estimator with integrated fading rate estimation for turbo decoding in flat fading channel. European Transactions on Telecommunications, 2005, 16, 189-197.	1.2	0
38	Combined synchronization and power control for differentially-encoded di-symbol time-division multiuser impulse radio. IEEE Transactions on Wireless Communications, 2009, 8, 1171-1176.	9.2	0