

# Witold A KrzymieÅ,,

## List of Publications by Year in descending order

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57  
papers

522  
citations

933264

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h-index

752573

20  
g-index

57  
all docs

57  
docs citations

57  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplified Fair Scheduling and Antenna Selection Algorithms for Multiuser MIMO Orthogonal Space-Division Multiplexing Downlink. IEEE Transactions on Vehicular Technology, 2009, 58, 1329-1344.	3.9	86
2	Density Evolution for Nonbinary LDPC Codes Under Gaussian Approximation. IEEE Transactions on Information Theory, 2009, 55, 997-1015.	1.5	64
3	Performance Effects of the Uplink Asynchronism in a Spread Spectrum Multi-Carrier Multiple Access System. European Transactions on Telecommunications, 1999, 10, 399-406.	1.2	41
4	Transmitter Precoding for ICI Reduction in Closed-Loop MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2007, 56, 115-125.	3.9	29
5	A Novel Low-Complexity Joint User-Relay Selection and Association for Multi-User Multi-Relay MIMO Uplink. IEEE Wireless Communications Letters, 2015, 4, 309-312.	3.2	20
6	Net Throughput Maximization of Per-Chunk User Scheduling for MIMO-OFDM Downlink. IEEE Transactions on Vehicular Technology, 2011, 60, 4338-4348.	3.9	19
7	Antenna and User Subset Selection in Downlink Multiuser Orthogonal Space-Division Multiplexing. Wireless Personal Communications, 2010, 52, 227-240.	1.8	14
8	A Framework for MEC-Enhanced Small-Cell HetNet with Massive MIMO. IEEE Wireless Communications, 2020, 27, 64-72.	6.6	14
9	Massive MIMO With Nonlinear Precoding: Large-System Analysis. IEEE Transactions on Vehicular Technology, 2016, 65, 2815-2820.	3.9	13
10	Empirical Distribution of Nearest-Transmitter Distance in Wireless Networks Modeled by Matérn Hard Core Point Processes. IEEE Transactions on Vehicular Technology, 2018, 67, 1740-1749.	3.9	13
11	Energy-Efficient Resource Allocation in Single-RF Load-Modulated Massive MIMO HetNets. IEEE Open Journal of the Communications Society, 2020, 1, 1738-1764.	4.4	12
12	Hybrid Beamforming for mmWave Massive MIMO Systems Employing DFT-Assisted User Clustering. IEEE Transactions on Vehicular Technology, 2020, 69, 11646-11658.	3.9	11
13	Limited-Feedback Precoding for Closed-Loop Multiuser MIMO OFDM Systems with Frequency Offsets. IEEE Transactions on Wireless Communications, 2008, 7, 4155-4165.	6.1	10
14	Analytical query response time evaluation for a two-level clustering hierarchy based wireless sensor network routing protocol. IEEE Communications Letters, 2010, 14, 486-488.	2.5	10
15	Reduced-Complexity User Scheduling Algorithms for Coordinated Heterogeneous MIMO Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6184-6203.	3.9	10
16	Location-Assisted clustering and scheduling for coordinated homogeneous and heterogeneous cellular networks. Transactions on Emerging Telecommunications Technologies, 2013, 24, 84-101.	2.6	9
17	Modeling of Cellular Networks Using Stationary and Nonstationary Point Processes. IEEE Access, 2018, 6, 47144-47162.	2.6	9
18	Improved Analysis of List Decoding and Its Application to Convolutional Codes and Turbo Codes. IEEE Transactions on Information Theory, 2007, 53, 615-627.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Precoding for Orthogonal Space-Time Block-Coded OFDM Downlink: Mean or Covariance Feedback?. IEEE Transactions on Vehicular Technology, 2009, 58, 3263-3270.	3.9	8
20	Stochastic Geometry Modeling of Cellular Uplink Power Control under Composite Rayleigh-Lognormal Fading. , 2015, , .		8
21	Scheduling Algorithms and Throughput Maximization for the Downlink of Packet-Data Cellular Systems with Multiple Antennas at the Base Station. Wireless Personal Communications, 2007, 43, 215-260.	1.8	7
22	Comparison of Partial CSI Encoding Methods in Multi-User MIMO Systems. Wireless Personal Communications, 2010, 52, 177-193.	1.8	7
23	Covariance precoding schemes for MIMO OFDM over transmit-antenna and path-correlated channels. European Transactions on Telecommunications, 2010, 21, 611-623.	1.2	7
24	A Technique for Multiuser and Intercarrier Interference Reduction in Multiple-Antenna Multiuser OFDM Downlink. IEEE Transactions on Wireless Communications, 2007, 6, 3493-3497.	6.1	6
25	High Throughput Parallel Decoder Design for LDPC Convolutional Codes. , 2008, , .		6
26	Rotating clustering with simulated annealing user scheduling for coordinated heterogeneous MIMO cellular networks. , 2014, , .		6
27	Hybrid beamforming and DFT-based channel estimation for millimeter wave MIMO systems. , 2017, , .		6
28	Title is missing!. Wireless Personal Communications, 1998, 7, 257-273.	1.8	5
29	On the Convergence of Genetic Scheduling Algorithms for Downlink Transmission in Multi-User MIMO Systems. Wireless Personal Communications, 2011, 58, 469-481.	1.8	5
30	Low complexity greedy, genetic and hybrid user scheduling algorithms for multiuser MIMO systems with successive zero-forcing. Transactions on Emerging Telecommunications Technologies, 2012, 23, 604-617.	2.6	5
31	Hybrid ARQ and optimal signal-to-interference ratio assignment for high-quality data transmission in DS-SS-CDMA. European Transactions on Telecommunications, 2001, 12, 19-29.	1.2	4
32	Efficient packet data service in a spread spectrum OFDM cellular system with 2-dimensional radio resource allocation. European Transactions on Telecommunications, 2004, 15, 185-199.	1.2	4
33	WLC39-6: Sum Rate Maximization and Transmit Power Minimization for Multi-User Orthogonal Space Division Multiplexing. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
34	Adaptive Hybrid ARQ Systems With BCJR Decoding. IEEE Transactions on Vehicular Technology, 2008, 57, 1606-1619.	3.9	4
35	SS-MC-MA Systems with Pilot Symbol Aided Channel Estimation in the Asynchronous Uplink. European Transactions on Telecommunications, 2000, 11, 605-610.	1.2	3
36	Decentralized Dynamic Allocation of Subchannels in Multiple Access Networks. IEEE Communications Letters, 2008, 12, 761-763.	2.5	3

#	ARTICLE	IF	CITATIONS
37	Beamforming in MIMO broadcast relay networks with multiple antenna users. , 2011, , .		3
38	Correlated Placement of Small Cell Base Stations: A Coverage Enriched HetNet with Massive MIMO. , 2020, , .		3
39	Quasi-orthogonal subcarrier multiplexing for high-capacity optical data links. Canadian Journal of Electrical and Computer Engineering, 1993, 18, 159-169.	1.5	2
40	Title is missing!. Wireless Personal Communications, 1998, 8, 277-289.	1.8	2
41	Diversity Combining Options and Low-Complexity MMSE Equalization for Spread Spectrum OFDM Systems in Frequency Selective Fading Channels. Wireless Personal Communications, 2007, 41, 281-300.	1.8	2
42	Selection based resource allocation for decentralized multi-user communications. Physical Communication, 2008, 1, 194-208.	1.2	2
43	An Efficient Low-Complexity Detector for Spatially Multiplexed MC-CDM. IEEE Transactions on Signal Processing, 2010, 58, 4286-4297.	3.2	2
44	Effect of cluster rotation speed in coordinated heterogeneous MIMO cellular networks with proportionally fair user scheduling. , 2014, , .		2
45	A path selection algorithm for sparse massive MIMO channels. , 2016, , .		2
46	Robust precoder design for massive MIMO with peak total power constrained singleâ€Fâ€chain transmitters. IET Communications, 2017, 11, 2667-2672.	1.5	2
47	Coverage probability analysis of three uplink power control schemes: Stochastic geometry approach. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, 141.	1.5	2
48	Design of a Low-Cost Low-Profile Energy Efficient 64-QAM Load Modulator. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2246-2257.	2.9	2
49	Rapid Access Protocols for Discontinuous Transmission in DS-CDMA Systems. Wireless Personal Communications, 2002, 21, 201-218.	1.8	1
50	Performance evaluation of spatially multiplexed MIMO systems with subset antenna transmission in interference limited environments. Wireless Personal Communications, 2007, 43, 623-644.	1.8	1
51	Correction to "Downlink Scheduling via Genetic Algorithms for Multiuser Single-Carrier and Multicarrier MIMO Systems With Dirty Paper Coding" [Sep 09 3247-3262]. IEEE Transactions on Vehicular Technology, 2011, 60, 1977-1979.	3.9	1
52	Low Complexity User Scheduling, Ordering and Transmit Covariance Matrix Optimization Algorithms for Successive Zero-Forcing Precoding. Wireless Personal Communications, 2014, 75, 2467-2484.	1.8	1
53	Rotating cluster mechanism for coordinated heterogeneous MIMO cellular networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, 59.	1.5	1
54	Simplified User Grouping Algorithm for Massive MIMO on Sparse Beam-Space Channels. IEICE Transactions on Communications, 2019, E102.B, 623-631.	0.4	1

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55	A Modified ISDN Network Layer Protocol Suitable For Implementation In Hardware. Infor, 1989, 27, 465-473.	0.5	0
56	A Gaussian Symbol-Level Model for CDMA Forward Link Intracell Interference. IEEE Transactions on Vehicular Technology, 2007, 56, 3927-3931.	3.9	0
57	Simultaneous Feedback Reduction and Sum Rate Maximization in Block-Diagonalized Space-Division Multiplexing. IEEE Vehicular Technology Conference, 2008, , .	0.2	0