

# Ender Ayanoglu

## List of Publications by Year in descending order

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76  
papers

1,563  
citations

567281

15  
h-index

610901

24  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning in NextG Networks via Generative Adversarial Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 480-501.	7.9	10
2	Gaussian Kernel Variance for an Adaptive Learning Method on Signals Over Graphs. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 389-403.	2.8	2
3	Bit-Interleaved Coded Multiple Beamforming With Perfect Coding in Millimeter-Wave MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 644-648.	5.0	0
4	Millimeter Wave Massive MIMO Downlink Per-Group Communications With Hybrid Linear Precoding. IEEE Transactions on Vehicular Technology, 2021, 70, 6841-6854.	6.3	4
5	First 20 Years of Green Radios. IEEE Transactions on Green Communications and Networking, 2020, 4, 1-15.	5.5	29
6	Bit-Interleaved Coded Multiple Beamforming in Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 6174-6185.	7.8	2
7	Zero-Forcing Per-Group Precoding for Robust Optimized Downlink Massive MIMO Performance. IEEE Transactions on Communications, 2019, 67, 6816-6828.	7.8	8
8	Bit-Interleaved Coded Multiple Beamforming in Millimeter-Wave Massive MIMO Systems. , 2019, , .		2
9	Guest Editorial Special Issue on IoT on the Move: Enabling Technologies and Driving Applications for Internet of Intelligent Vehicles (IoIV). IEEE Internet of Things Journal, 2019, 6, 1-5.	8.7	31
10	Downlink Precoding for Massive MIMO Systems Exploiting Virtual Channel Model Sparsity. IEEE Transactions on Communications, 2018, 66, 1925-1939.	7.8	18
11	Energy- and Spectral-Efficient Resource Allocation Algorithm for Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 590-603.	6.3	23
12	LED Selection and MAP Detection for Generalized LED Index Modulation. IEEE Photonics Technology Letters, 2018, 30, 1695-1698.	2.5	12
13	Downlink Precoding for Massive MIMO Systems Exploiting Virtual Channel Model Sparsity. , 2018, , .		0
14	Three-Stage Resource Allocation Algorithm for Energy-Efficient Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 6942-6957.	6.3	23
15	Editorial Launching IEEE Transactions on Green Communications and Networking. IEEE Transactions on Green Communications and Networking, 2017, 1, 1-2.	5.5	3
16	Energy-spectral efficiency tradeoff for heterogeneous networks with QoS constraints. , 2017, , .		12
17	Guest Editorial Green Communications and Networking Series. IEEE Journal on Selected Areas in Communications, 2016, 34, 1055-1057.	14.0	0
18	Guest Editorial Green Communications and Networking Series. IEEE Journal on Selected Areas in Communications, 2016, 34, 3088-3091.	14.0	0

#	ARTICLE	IF	CITATIONS
19	5G today: Modulation technique alternatives. , 2016, , .		4
20	Linear Precoding Gain for Large MIMO Configurations with QAM and Reduced Complexity. IEEE Transactions on Communications, 2016, , 1-1.	7.8	10
21	An Energy-Efficient Resource Allocation Algorithm with QoS Constraints for Heterogeneous Networks. , 2015, , .		2
22	Fair and efficient Transmission Control Protocol access in the IEEE 802.11 infrastructure basic service set. Wireless Communications and Mobile Computing, 2015, 15, 1376-1390.	1.2	3
23	Guest Editorial Green Communications and Networking Series. IEEE Journal on Selected Areas in Communications, 2015, 33, 2461-2462.	14.0	0
24	Linear Precoding for MIMO With LDPC Coding and Reduced Complexity. IEEE Transactions on Wireless Communications, 2015, 14, 2192-2204.	9.2	19
25	Energy-Efficient Resource Allocation for Fractional Frequency Reuse in Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5484-5497.	9.2	28
26	Link Failure Recovery Over Large Arbitrary Networks: The Case of Coding. IEEE Transactions on Communications, 2015, 63, 1726-1740.	7.8	5
27	Quantifying Potential Energy Efficiency Gain in Green Cellular Wireless Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 2065-2091.	39.4	60
28	Energy-Efficient Base Station Deployment in Heterogeneous Networks. IEEE Wireless Communications Letters, 2014, 3, 593-596.	5.0	21
29	Link failure recovery in large arbitrary networks via network coding. , 2014, , .		2
30	Millimeter-wave massive MIMO: the next wireless revolution?. , 2014, 52, 56-62.		657
31	Efficiency and Fairness Trade-Offs in SC-FDMA Schedulers. IEEE Transactions on Wireless Communications, 2014, 13, 2991-3002.	9.2	9
32	An Energy-Efficient Resource Allocation Algorithm with QoS Constraints for Heterogeneous Networks. , 2014, , .		0
33	Interference-based cell selection in heterogenous networks. , 2013, , .		10
34	Full-Diversity Precoding Design of Bit-Interleaved Coded Multiple Beamforming with Orthogonal Frequency Division Multiplexing. IEEE Transactions on Communications, 2013, 61, 2432-2445.	7.8	4
35	Optimal Algorithms for Near-Hitless Network Restoration via Diversity Coding. IEEE Transactions on Communications, 2013, 61, 3878-3893.	7.8	6
36	Diversity Analysis of Bit-Interleaved Coded Multiple Beamforming with Orthogonal Frequency Division Multiplexing. IEEE Transactions on Communications, 2013, 61, 3794-3805.	7.8	6

#	ARTICLE	IF	CITATIONS
37	Coded Path Protection: Efficient Conversion of Sharing to Coding. IEEE Transactions on Communications, 2013, 61, 4294-4309.	7.8	5
38	Network coding-based link failure recovery over large arbitrary networks. , 2013, , .		3
39	New diversity coding design algorithms for link failure recovery in communication networks. , 2013, , .		2
40	Bit-Interleaved Coded Multiple Beamforming with Perfect Coding. , 2012, , .		3
41	Optimal algorithms for near-hitless network restoration via diversity coding. , 2012, , .		6
42	Coded path protection: Efficient conversion of sharing to coding. , 2012, , .		7
43	Extended diversity coding: Coding protection and primary paths for network restoration. , 2012, , .		8
44	Common rate maximization in two-layer cellular radio systems. , 2012, , .		0
45	Multiple Beamforming with Perfect Coding. IEEE Transactions on Communications, 2012, 60, 1575-1586.	7.8	4
46	Hitless recovery from link failures in networks with arbitrary topology. , 2011, , .		12
47	Reduced complexity decoding for Bit-Interleaved Coded Multiple Beamforming with Constellation Precoding. , 2011, , .		3
48	Reduced complexity Sphere Decoding. , 2011, , .		4
49	Computational Complexity of Decoding Orthogonal Space-Time Block Codes. IEEE Transactions on Communications, 2011, 59, 936-941.	7.8	4
50	Constellation Precoded Multiple Beamforming. IEEE Transactions on Communications, 2011, 59, 1275-1286.	7.8	17
51	Reduced complexity sphere decoding. Wireless Communications and Mobile Computing, 2011, 11, 1518-1527.	1.2	3
52	Recovery from Link Failures in Networks with Arbitrary Topology via Diversity Coding. , 2011, , .		17
53	Diversity Analysis of Bit-Interleaved Coded Multiple Beamforming. IEEE Transactions on Communications, 2010, 58, 2457-2463.	7.8	8
54	Golden Coded Multiple Beamforming. , 2010, , .		3

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55	Diversity analysis of bit-interleaved coded multiple beamforming. , 2009, , .		1
56	Constellation Precoded Beamforming. , 2009, , .		12
57	A novel maximum likelihood decoding algorithm for orthogonal space-time block codes. IEEE Transactions on Communications, 2009, 57, 606-609.	7.8	6
58	Bit-Interleaved Coded Multiple Beamforming with Imperfect CSIT. IEEE Transactions on Communications, 2009, 57, 1505-1513.	7.8	12
59	Analysis of the 802.11e enhanced distributed channel access function. IEEE Transactions on Communications, 2009, 57, 1753-1764.	7.8	42
60	Reduced complexity sphere decoding via a reordered lattice representation. IEEE Transactions on Communications, 2009, 57, 2564-2569.	7.8	33
61	A capacity analysis framework for the IEEE 802.11e contention-based infrastructure basic service set. IEEE Transactions on Communications, 2009, 57, 3433-3445.	7.8	7
62	Real-valued maximum likelihood decoder for quasi-orthogonal space-time block codes. IEEE Transactions on Communications, 2009, 57, 2260-2263.	7.8	4
63	Reduction of ML decoding complexity for MIMO Sphere Decoding, QOSTBC, and OSTBC. , 2008, , .		12
64	Multimedia Capacity Analysis of the IEEE 802.11e Contention-Based Infrastructure Basic Service Set. , 2008, , .		1
65	An Efficient Tree Search for Reduced Complexity Sphere Decoding. , 2008, , .		4
66	Fair and Efficient TCP Access in IEEE 802.11 WLANs. , 2008, , .		6
67	Performance Analysis of the IEEE 802.11e Enhanced Distributed Coordination Function Using Cycle Time Approach. , 2007, , .		8
68	Modeling the 802.11e Enhanced Distributed Channel Access Function. , 2007, , .		14
69	Reduced Complexity Sphere Decoding for Square QAM via a New Lattice Representation. , 2007, , .		52
70	Bit Interleaved Coded Multiple Beamforming to Achieve Full Diversity and Maximum Spatial Multiplexing. , 2007, , .		0
71	MIMO BICM-OFDM Beamforming with Full and Partial CSIT. , 2007, , .		4
72	Bit Interleaved Coded Multiple Beamforming. IEEE Transactions on Communications, 2007, 55, 1802-1811.	7.8	40

#	ARTICLE	IF	CITATIONS
73	An Adaptive Multimedia QoS Scheduler for 802.11e Wireless LANs. , 2006, , .		35
74	Achieving Full Frequency and Space Diversity in Wireless Systems via BICM, OFDM, STBC, and Viterbi Decoding. IEEE Transactions on Communications, 2006, 54, 2164-2172.	7.8	76
75	Forward error control for MPEG-2 video transport in a wireless ATM LAN. Mobile Networks and Applications, 1996, 1, 245-257.	3.3	42
76	Performance Improvement in Broadband Networks Using Forward Error Correction for Lost Packet Recovery. Journal of High Speed Networks, 1993, 2, 287-303.	0.8	18