

Aydin Sezgin

List of Publications by Year in descending order

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papers

507
citations

759190

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713444

21
g-index

40
all docs

40
docs citations

40
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Short Blocklength Process Monitoring and Scheduling: Resolution and Data Freshness. IEEE Transactions on Wireless Communications, 2022, 21, 4669-4681.	9.2	9
2	Deep Unfolding of Iteratively Reweighted ADMM for Wireless RF Sensing. Sensors, 2022, 22, 3065.	3.8	2
3	Beam Divergence Reduction of Vortex Waves With a Tailored Lens and a Tailored Reflector. IEEE Access, 2021, 9, 9800-9811.	4.2	2
4	Secure MISO Broadcast Channel: An Interplay Between CSIT and Network Topology. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 121-138.	2.5	5
5	Deep Learning for DOA Estimation in MIMO Radar Systems via Emulation of Large Antenna Arrays. IEEE Communications Letters, 2021, 25, 1559-1563.	4.1	18
6	Location-Privacy Leakage and Integrated Solutions for 5G Cellular Networks and Beyond. Sensors, 2021, 21, 5176.	3.8	10
7	Localization Attack by Precoder Feedback Overhearing in 5G Networks and Countermeasures. IEEE Transactions on Wireless Communications, 2021, 20, 4100-4112.	9.2	5
8	Codes Trading Upload for Download Cost in Secure Distributed Matrix Multiplication. IEEE Transactions on Communications, 2021, 69, 5409-5424.	7.8	1
9	Power Minimization Using Rate Splitting With Statistical CSI in Cloud-Radio Access Networks. Frontiers in Communications and Networks, 2021, 2, .	3.0	0
10	Rate Splitting Multiple Access in C-RAN: A Scalable and Robust Design. IEEE Transactions on Communications, 2021, 69, 5727-5743.	7.8	34
11	Rate-Splitting Multiple Access in Cache-Aided Cloud-Radio Access Networks. Frontiers in Communications and Networks, 2021, 2, .	3.0	12
12	A Reinforcement Learning Based Approach for Multitarget Detection in Massive MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2622-2636.	4.7	36
13	Clutter Suppression for Indoor Self-Localization Systems by Iteratively Reweighted Low-Rank Plus Sparse Recovery. Sensors, 2021, 21, 6842.	3.8	2
14	Robust Reinforcement Learning-based Wald-type Detector for Massive MIMO Radar. , 2021, , .		1
15	Uplink Cost Adjustable Schemes in Secure Distributed Matrix Multiplication. , 2020, , .		6
16	Rate Splitting Multiple Access in C-RAN. , 2020, , .		13
17	Characterization of Dielectric Materials by Sparse Signal Processing With Iterative Dictionary Updates. , 2020, 4, 1-4.		2
18	OAM Mode Order Conversion and Clutter Rejection With OAM-Coded RFID Tags. IEEE Access, 2020, 8, 218729-218738.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Toward Mobile Integrated Electronic Systems at THz Frequencies. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 846-869.	2.2	32
20	Robust Transceiver Design for Full-Duplex Decode-and-Forward Relay-Assisted MIMO Systems. , 2020, , .		3
21	Degrees-of-Freedom of the MIMO Three-Way Channel With Node-Intermittency. IEEE Transactions on Information Theory, 2019, 65, 6781-6800.	2.4	2
22	On the Capacity and Straggler-Robustness of Distributed Secure Matrix Multiplication. IEEE Access, 2019, 7, 45783-45799.	4.2	42
23	Cache-Assisted Broadcast-Relay Wireless Networks: A Delivery-Time Cache-Memory Tradeoff. IEEE Access, 2019, 7, 76833-76858.	4.2	2
24	The Need for Alignment in Rate-Efficient Distributed Two-Sided Secure Matrix Computation. , 2019, , .		8
25	Interference Mitigation via Rate-Splitting and Common Message Decoding in Cloud Radio Access Networks. IEEE Access, 2019, 7, 80350-80365.	4.2	41
26	State-Space Adaptive Nonlinear Self-Interference Cancellation for Full-Duplex Communication. IEEE Transactions on Signal Processing, 2019, 67, 2810-2825.	5.3	25
27	Spatio-Temporal Waveform Design in Active Sensing Systems with Multilayer Targets. , 2019, , .		1
28	Ensemble-Based Learning in Indoor Localization: A Hybrid Approach. , 2019, , .		8
29	Secret-Key Generation: Full-Duplex Versus Half-Duplex Probing. IEEE Transactions on Communications, 2019, 67, 639-652.	7.8	12
30	Maximizing Information Extraction of Extended Radar Targets Through MIMO Beamforming. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 539-543.	3.1	4
31	Heterogeneous Multi-Tier Networks: Improper Signaling for Joint Rate-Energy Optimization. IEEE Transactions on Wireless Communications, 2019, 18, 680-694.	9.2	7
32	Delivery Time Minimization in Edge Caching: Synergistic Benefits of Subspace Alignment and Zero Forcing. , 2018, , .		8
33	Robust Signaling for Bursty Interference. Entropy, 2018, 20, 870.	2.2	4
34	On the degrees-of-freedom of the MIMO three-way channel with intermittent connectivity. , 2017, , .		2
35	Three-Way Channels With Multiple Unicast Sessions: Capacity Approximation via Network Transformation. IEEE Transactions on Information Theory, 2016, 62, 7086-7102.	2.4	9
36	The Approximate Capacity Region of the Symmetric $\langle \text{inline-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \text{\$K\$}$ $\langle \text{tex-math} \rangle \langle \text{inline-formula} \rangle$ -User Gaussian Interference Channel With Strong Interference. IEEE Transactions on Information Theory, 2016, 62, 2592-2621.	2.4	6

#	ARTICLE	IF	CITATIONS
37	(Sub-)Optimality of Treating Interference as Noise in the Cellular Uplink With Weak Interference. IEEE Transactions on Information Theory, 2016, 62, 322-356.	2.4	25
38	Multi-way Communications: An Information Theoretic Perspective. Foundations and Trends in Communications and Information Theory, 2015, 12, 185-371.	3.1	31
39	The Approximate Capacity Region of the Gaussian Y-Channel via the Deterministic Approach. IEEE Transactions on Information Theory, 2015, 61, 939-962.	2.4	12
40	Divide-and-Conquer: Approaching the Capacity of the Two-Pair Bidirectional Gaussian Relay Network. IEEE Transactions on Information Theory, 2012, 58, 2434-2454.	2.4	57