Alireza Vahid

List of Publications by Year
in descending order

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		1163117	888059
44	482	8	17
papers	citations	h-index	g-index

44	44	44	196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capacity Results for Binary Fading Interference Channels With Delayed CSIT. IEEE Transactions on Information Theory, 2014, 60, 6093-6130.	2.4	65
2	Interference Channels With Rate-Limited Feedback. IEEE Transactions on Information Theory, 2012, 58, 2788-2812.	2.4	56
3	Communication through collisions: Opportunistic utilization of past receptions. , 2014, , .		27
4	Reinforced magnesium composites by metallic particles for biomedical applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 685, 349-357.	5.6	26
5	Two-User Erasure Interference Channels With Local Delayed CSIT. IEEE Transactions on Information Theory, 2016, 62, 4910-4923.	2.4	23
6	Binary Fading Interference Channel With No CSIT. IEEE Transactions on Information Theory, 2017, 63, 3565-3578.	2.4	20
7	Approximate Capacity Region of the MISO Broadcast Channels With Delayed CSIT. IEEE Transactions on Communications, 2016, 64, 2913-2924.	7.8	19
8	Interference channel with binary fading: Effect of delayed network state information. , 2011, , .		17
9	Capacity of Broadcast Packet Erasure Channels With Single-User Delayed CSI. IEEE Transactions on Information Theory, 2021, 67, 6283-6295.	2.4	16
10	GreenFlag: Protecting 3D-Racetrack Memory from Shift Errors. , 2019, , .		13
11	No Feedback, No Problem: Capacity of Erasure Broadcast Channels with Single-User Delayed CSI. , 2019, , .		12
12	Impact of local delayed CSIT on the capacity region of the two-user interference channel. , 2015, , .		11
13	When does spatial correlation add value to delayed channel state information?. , 2016, , .		11
14	Binary fading interference channel with delayed feedback. , 2012, , .		10
15	On the Degrees-of-Freedom of Two-Unicast Wireless Networks With Delayed CSIT. IEEE Transactions on Information Theory, 2019, 65, 5176-5188.	2.4	10
16	Approximate capacity of the two-user MISO Broadcast Channel with delayed CSIT. , 2013, , .		9
17	Binary Fading Interference Channel with No CSIT. , 2014, , .		9
18	Writing without Disturb on Phase Change Memories by Integrating Coding and Layout Design. , 2015, , .		9

#	Article	IF	Citations
19	Capacity Results for Erasure Broadcast Channels with Intermittent Feedback. , 2019, , .		9
20	The two-user deterministic interference channel with rate-limited feedback. , 2010, , .		8
21	Throughput Region of Spatially Correlated Interference Packet Networks. IEEE Transactions on Information Theory, 2019, 65, 1220-1235.	2.4	8
22	Exploiting Coherence Time Variations for Opportunistic Blind Interference Alignment. IEEE Transactions on Communications, 2020, 68, 6054-6069.	7.8	8
23	Erasure Broadcast Channels With Intermittent Feedback. IEEE Transactions on Communications, 2021, 69, 7363-7375.	7.8	8
24	Interference management with mismatched partial channel state information. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	7
25	Effect of Highâ€Energy Ball Milling on Mechanical Properties of the Mgâ€“Nb Composites Fabricated through Powder Metallurgy Process. Advanced Engineering Materials, 2018, 20, 1700759.	3.5	7
26	Low-Complexity Blind Interference Suppression With Reconfigurable Antennas. IEEE Transactions on Wireless Communications, 2022, 21, 2757-2768.	9.2	6
27	Informational bottlenecks in two-unicast wireless networks with delayed CSIT. , 2015, , .		5
28	Jenga: Efficient Fault Tolerance for Stacked DRAM. , 2017, , .		5
29	Embedding Information in Radiation Pattern Fluctuations. , 2020, , .		5
30	Capacity of the Torn Paper Channel with Lost Pieces. , 2021, , .		5
31	Torn-Paper Coding. IEEE Transactions on Information Theory, 2021, 67, 7904-7913.	2.4	5
32	Communicating over the Torn-Paper Channel. , 2020, , .		5
33	Coded Shotgun Sequencing. IEEE Journal on Selected Areas in Information Theory, 2022, 3, 147-159.	2.5	4
34	Evaluating Ecohydrological Model Sensitivity to Input Variability with an Information-Theory-Based Approach. Entropy, 2022, 24, 994.	2.2	4
35	ARQ for Interference Packet Networks. , 2018, , .		3
36	Throughput, Delay, and Complexity Tradeoffs in Interference Channels. , 2020, , .		3

#	Article	IF	Citations
37	Embedded Codes for Reassembling Non-Overlapping Random DNA Fragments. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 40-50.	2.1	3
38	Methuselah Flash: Rewriting Codes for Extra Long Storage Lifetime. , 2016, , .		2
39	Extending Flash Lifetime in Embedded Processors by Expanding Analog Choice. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2462-2473.	2.7	2
40	On the Stability Region of Intermittent Interference Networks. IEEE Transactions on Communications, 2021, 69, 7335-7349.	7.8	2
41	Content Delivery over Broadcast Erasure Channels with Distributed Random Cache. IEEE Journal on Selected Areas in Information Theory, 2021, , 1-1.	2.5	2
42	Topological Content Delivery With Feedback and Random Receiver Cache. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1180-1190.	2.5	2
43	Harnessing Random Receiver Cache in Erasure Interference Channels with Feedback. , 2021, , .		1
44	Distortion-Based Outer-Bounds for Channels with Rate-Limited Feedback. , 2021, , .		0