Thomas E Fuja

List of Publications by Year
in descending order

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28 papers	340 citations	1163117 8 h-index	1125743 13 g-index
28 all docs	28 docs citations	28 times ranked	281 citing authors

#	Article	IF	Citations
1	The Design and Performance of Distributed LT Codes. IEEE Transactions on Information Theory, 2007, 53, 3740-3754.	2.4	89
2	A comparative study of signal processing techniques for clustering microsensor data (a first step) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	72
3	Contention-Free Interleavers for High-Throughput Turbo Decoding. IEEE Transactions on Communications, 2008, 56, 1258-1267.	7.8	27
4	Error performance analysis of signal superposition coded cooperative diversity. IEEE Transactions on Communications, 2009, 57, 3123-3131.	7.8	18
5	A Threshold-Based Min-Sum Algorithm to Lower the Error Floors of Quantized LDPC Decoders. IEEE Transactions on Communications, 2020, 68, 2005-2015.	7.8	17
6	Design of Spatially Coupled LDPC Codes Over GF (q) for Windowed Decoding. IEEE Transactions on Information Theory, 2016, 62, 4781-4800.	2.4	16
7	Coding with a latency constraint: The benefits of sequential decoding. , 2010, , .		15
8	Performance Bounds and Estimates for Quantized LDPC Decoders. IEEE Transactions on Communications, 2020, 68, 683-696.	7.8	13
9	Cooperation via Trellis Pruning. IEEE Transactions on Communications, 2011, 59, 1563-1569.	7.8	10
10	Signal Superposition Coded Cooperative Diversity: Analysis and Optimization. , 2007, , .		8
11	Polarization signaling for wireless communication. , 2016, , .		6
12	Performance Bounds for Quantized Spatially Coupled LDPC Decoders Based on Absorbing Sets. , 2018, , .		6
13	Towards the development of an artificial nose for chemical process applications. Computers and Chemical Engineering, 1996, 20, S1437-S1442.	3.8	5
14	Algebraic Superposition of LDGM Codes for Cooperative Diversity. , 2007, , .		5
15	Network coded cooperative diversity with multiple sources. , 2009, , .		5
16	An analysis of mobile relaying for coverage extension. , 2008, , .		4
17	Performance bounds for quantized LDPC decoders based on absorbing sets. , 2016, , .		4
18	Capacity and Coding for Two Common Wireless Erasure Relay Networks with Optimal Bandwidth Allocation. IEEE Transactions on Wireless Communications, 2012, 11, 4308-4317.	9.2	3

#	Article	IF	Citations
19	Trading off coding complexity and feedback requirements for the packet erasure channel. , 2008, , .		2
20	Coding versus feedback: Hybrid ARQ protocols for the packet erasure channel. , 2010, , .		2
21	Channel coding for wireless communication via electromagnetic polarization. , 2016, , .		2
22	Lower bounds for quantized LDPC min-sum decoders based on absorbing sets. , 2017, , .		2
23	Four Dimensional Hybrid Constellations for Dual-Polarized Wireless Communications. , 2018, , .		2
24	Polarization Shift Keying for Wireless Communication. IEEE Transactions on Wireless Communications, 2019, 18, 4927-4941.	9.2	2
25	A Modified Min-Sum Algorithm for Quantized LDPC Decoders. , 2019, , .		2
26	Coding Schemes for an Erasure Relay Channel. , 2007, , .		1
27	Hybrid Constellations for Dual-Polarized Wireless Communications. IEEE Transactions on Wireless Communications, 2020, 19, 5321-5332.	9.2	1
28	Hybrid-ARQ protocols based on Tornado codes for the packet erasure channel. IEEE Transactions on Communications, 2021, , 1-1.	7.8	1