Joseph J Boutros

List of Publications by Year
in descending order

23	398	1684188	1720034
papers	citations	5	7
		h-index	g-index

23	23	23	345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural Network Approaches to Point Lattice Decoding. IEEE Transactions on Information Theory, 2022, 68, 2969-2989.	2.4	0
2	New Bounds for GLD Lattices and Codes. , 2019, , .		0
3	LDA Lattices Without Dithering Achieve Capacity on the Gaussian Channel. IEEE Transactions on Information Theory, 2018, 64, 1561-1594.	2.4	10
4	On Constructions of Reed-Muller Subcodes. IEEE Communications Letters, 2018, 22, 220-223.	4.1	5
5	Geometric shaping: low-density coding of Gaussian-like constellations. , 2018, , .		5
6	Multiple antenna techniques for terahertz nano-bio communication. , 2018, , .		1
7	On short-length error-correcting codes for 5G-NR. Ad Hoc Networks, 2018, 79, 53-62.	5.5	26
8	Edge Coloring and Stopping Sets Analysis in Product Codes With MDS Components. IEEE Transactions on Information Theory, 2017, 63, 1439-1462.	2.4	1
9	Leech Constellations of Construction-A Lattices. IEEE Transactions on Communications, 2017, 65, 4622-4631.	7.8	13
10	Nonanticipative transmission for sources and channels with memory. , 2015, , .		6
11	A Poltyrev outage limit for lattices. , 2015, , .		5
12	Spatial coupling of root-LDPC: Parity bits doping. , 2015, , .		5
13	Non-binary GLD codes and their lattices. , 2015, , .		7
14	Lattices Over Eisenstein Integers for Compute-and-Forward. IEEE Transactions on Information Theory, 2015, 61, 5306-5321.	2.4	32
15	Generalized low-density (GLD) lattices. , 2014, , .		13
16	Phase precoded compute-and-forward with partial feedback. , 2014, , .		14
17	New results on Construction A lattices based on very sparse parity-check matrices. , 2013, , .		17
18	New results on low-density integer lattices. , 2013, , .		5

#	Article	IF	Citations
19	Polarization of quasi-static fading channels. , 2013, , .		21
20	Integer low-density lattices based on construction A. , 2012, , .		38
21	Low-Density Parity-Check Codes for Nonergodic Block-Fading Channels. IEEE Transactions on Information Theory, 2010, 56, 4286-4300.	2.4	93
22	Efficient reconciliation protocol for discrete-variable quantum key distribution. , 2009, , .		78
23	Chi-squared distribution approximation for probabilistic energy equalizer implementation in impulse-radio UWB receiver. , 2008, , .		3