

Nikita Polyanskii

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

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38
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38
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38
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101
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Stage Coding Over the Z-Channel. IEEE Transactions on Information Theory, 2022, 68, 2290-2299.	2.4	2
2	Coding With Noiseless Feedback Over the Z-Channel. IEEE Transactions on Information Theory, 2022, 68, 3731-3739.	2.4	0
3	Lifted Reed-Solomon Codes and Lifted Multiplicity Codes. IEEE Transactions on Information Theory, 2021, , 1-1.	2.4	2
4	On Lifted Multiplicity Codes. , 2021, , .		1
5	On Codes for the Noisy Substring Channel. , 2021, , .		5
6	Almost affinely disjoint subspaces. Finite Fields and Their Applications, 2021, 75, 101879.	1.0	3
7	Duplication with transposition distance to the root for q-ary strings. , 2020, , .		0
8	Optimal Codes Correcting a Burst of Deletions of Variable Length. , 2020, , .		19
9	Binary Batch Codes With Improved Redundancy. IEEE Transactions on Information Theory, 2020, 66, 7360-7370.	2.4	4
10	Weight Distributions for Successive Cancellation Decoding of Polar Codes. IEEE Transactions on Communications, 2020, 68, 7328-7336.	7.8	7
11	Lifted Reed-Solomon Codes with Application to Batch Codes. , 2020, , .		8
12	Constructions of Batch Codes via Finite Geometry. , 2019, , .		7
13	Variable-Length Coding With Shared Incremental Redundancy: Design Methods and Examples. IEEE Transactions on Communications, 2019, 67, 5981-5995.	7.8	4
14	Separable Codes for the Symmetric Multiple-Access Channel. IEEE Transactions on Information Theory, 2019, 65, 3738-3750.	2.4	10
15	Quasi-Cyclic Protograph-Based Raptor-Like LDPC Codes for Short Block-Lengths. IEEE Transactions on Information Theory, 2019, 65, 3758-3777.	2.4	16
16	On the metric dimension of Cartesian powers of a graph. Journal of Combinatorial Theory - Series A, 2019, 165, 1-14.	0.8	25
17	Trivariate Lifted Codes with Disjoint Repair Groups. , 2019, , .		5
18	Batch codes based on lifted multiplicity codes. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Hypothesis Test for Bounds on the Size of Random Defective Set. IEEE Transactions on Signal Processing, 2019, 67, 5775-5784.	5.3	0
20	On Capacities of the Two-User Union Channel With Complete Feedback. IEEE Transactions on Information Theory, 2019, 65, 2774-2781.	2.4	1
21	Generalization of Floor Lifting for QC-LDPC Codes: Theoretical Properties and Applications. , 2018, , .		2
22	Separable Codes for the Symmetric Multiple-Access Channel. , 2018, , .		3
23	Symmetric disjunctive list-decoding codes. Designs, Codes, and Cryptography, 2017, 82, 211-229.	1.6	0
24	Cover-free codes and separating system codes. Designs, Codes, and Cryptography, 2017, 82, 197-209.	1.6	2
25	Almost cover-free codes and designs. Designs, Codes, and Cryptography, 2017, 82, 231-247.	1.6	1
26	Hypothesis test for upper bound on the size of random defective set. , 2017, , .		2
27	Almost cover-free codes. Problems of Information Transmission, 2016, 52, 142-155.	0.5	0
28	On multistage learning a hidden hypergraph. , 2016, , .		0
29	On a hypergraph approach to multistage group testing problems. , 2016, , .		4
30	Symmetric disjunctive list-decoding codes. , 2015, , .		3
31	Cover-free codes and separating system codes. , 2015, , .		2
32	Almost disjunctive list-decoding codes. Problems of Information Transmission, 2015, 51, 110-131.	0.5	8
33	Almost cover-free codes and designs. , 2015, , .		1
34	Bounds on the rate of superimposed codes. , 2014, , .		7
35	DNA codes for nonadditive stem similarity. Problems of Information Transmission, 2014, 50, 247-269.	0.5	2
36	Bounds on the rate of disjunctive codes. Problems of Information Transmission, 2014, 50, 27-56.	0.5	29

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37	DNA codes for generalized stem similarity. , 2011, , .		0