

# Nikita Polyanskii

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

191  
citations

1478505

6  
h-index

1281871

11  
g-index

38  
all docs

38  
docs citations

38  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bounds on the rate of disjunctive codes. Problems of Information Transmission, 2014, 50, 27-56.	0.5	29
2	On the metric dimension of Cartesian powers of a graph. Journal of Combinatorial Theory - Series A, 2019, 165, 1-14.	0.8	25
3	Optimal Codes Correcting a Burst of Deletions of Variable Length. , 2020, , .		19
4	Quasi-Cyclic Protograph-Based Raptor-Like LDPC Codes for Short Block-Lengths. IEEE Transactions on Information Theory, 2019, 65, 3758-3777.	2.4	16
5	Separable Codes for the Symmetric Multiple-Access Channel. IEEE Transactions on Information Theory, 2019, 65, 3738-3750.	2.4	10
6	Almost disjunctive list-decoding codes. Problems of Information Transmission, 2015, 51, 110-131.	0.5	8
7	Lifted Reed-Solomon Codes with Application to Batch Codes. , 2020, , .		8
8	Bounds on the rate of superimposed codes. , 2014, , .		7
9	Constructions of Batch Codes via Finite Geometry. , 2019, , .		7
10	Weight Distributions for Successive Cancellation Decoding of Polar Codes. IEEE Transactions on Communications, 2020, 68, 7328-7336.	7.8	7
11	Trivariate Lifted Codes with Disjoint Repair Groups. , 2019, , .		5
12	On Codes for the Noisy Substring Channel. , 2021, , .		5
13	On a hypergraph approach to multistage group testing problems. , 2016, , .		4
14	Variable-Length Coding With Shared Incremental Redundancy: Design Methods and Examples. IEEE Transactions on Communications, 2019, 67, 5981-5995.	7.8	4
15	Binary Batch Codes With Improved Redundancy. IEEE Transactions on Information Theory, 2020, 66, 7360-7370.	2.4	4
16	Symmetric disjunctive list-decoding codes. , 2015, , .		3
17	Separable Codes for the Symmetric Multiple-Access Channel. , 2018, , .		3
18	Batch codes based on lifted multiplicity codes. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Almost affinely disjoint subspaces. <i>Finite Fields and Their Applications</i> , 2021, 75, 101879.	1.0	3
20	DNA codes for nonadditive stem similarity. <i>Problems of Information Transmission</i> , 2014, 50, 247-269.	0.5	2
21	Cover-free codes and separating system codes. , 2015, , .		2
22	Cover-free codes and separating system codes. <i>Designs, Codes, and Cryptography</i> , 2017, 82, 197-209.	1.6	2
23	Hypothesis test for upper bound on the size of random defective set. , 2017, , .		2
24	Generalization of Floor Lifting for QC-LDPC Codes: Theoretical Properties and Applications. , 2018, , .		2
25	Lifted Reed-Solomon Codes and Lifted Multiplicity Codes. <i>IEEE Transactions on Information Theory</i> , 2021, , 1-1.	2.4	2
26	Two-Stage Coding Over the Z-Channel. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 2290-2299.	2.4	2
27	Almost cover-free codes and designs. , 2015, , .		1
28	Almost cover-free codes and designs. <i>Designs, Codes, and Cryptography</i> , 2017, 82, 231-247.	1.6	1
29	On Capacities of the Two-User Union Channel With Complete Feedback. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 2774-2781.	2.4	1
30	On Lifted Multiplicity Codes. , 2021, , .		1
31	DNA codes for generalized stem similarity. , 2011, , .		0
32	Almost cover-free codes. <i>Problems of Information Transmission</i> , 2016, 52, 142-155.	0.5	0
33	On multistage learning a hidden hypergraph. , 2016, , .		0
34	Symmetric disjunctive list-decoding codes. <i>Designs, Codes, and Cryptography</i> , 2017, 82, 211-229.	1.6	0
35	Hypothesis Test for Bounds on the Size of Random Defective Set. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 5775-5784.	5.3	0
36	Duplication with transposition distance to the root for q-ary strings. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Coding With Noiseless Feedback Over the Z-Channel. IEEE Transactions on Information Theory, 2022, 68, 3731-3739.	2.4	0