Vladimir N Potapov

List of Publications by Year
in descending order

		1307594	996975
40 papers	247 citations	7 h-index	15 g-index
40 all docs	40 docs citations	40 times ranked	171 citing authors

#	Article	IF	Citations
1	Complexity: an internet resource for analysis of DNA sequence complexity. Nucleic Acids Research, 2004, 32, W628-W633.	14.5	73
2	n-Ary Quasigroups of Order 4. SIAM Journal on Discrete Mathematics, 2009, 23, 561-570.	0.8	28
3	Asymptotics for the number of n-quasigroups of order 4. Siberian Mathematical Journal, 2006, 47, 720-731.	0.6	21
4	To the theory of q-ary Steiner and other-type trades. Discrete Mathematics, 2016, 339, 1150-1157.	0.7	20
5	On perfect 2-colorings of the q-ary n-cube. Discrete Mathematics, 2012, 312, 1269-1272.	0.7	12
6	Cardinality spectra of components of correlation immune functions, bent functions, perfect colorings, and codes. Problems of Information Transmission, 2012, 48, 47-55.	0.5	11
7	Multidimensional Latin bitrades. Siberian Mathematical Journal, 2013, 54, 317-324.	0.6	9
8	On Multifold MDS and Perfect Codes That Are Not Splittable into Onefold Codes. Problems of Information Transmission, 2004, 40, 5-12.	0.5	6
9	On extensions of partial n-quasigroups of order 4. Siberian Advances in Mathematics, 2012, 22, 135-151.	0.4	6
10	Constructions of pairs of orthogonal latin cubes. Journal of Combinatorial Designs, 2020, 28, 604-613.	0.6	6
11	A lower bound for the number of transitive perfect codes. Journal of Applied and Industrial Mathematics, 2007, 1, 373-379.	0.4	5
12	On minimal distance between q-ary bent functions. , 2016, , .		5
13	On shortening u-cycles and u-words for permutations. Discrete Applied Mathematics, 2019, 260, 203-213.	0.9	5
14	On connection between reducibility of an n-ary quasigroup and that of its retracts. Discrete Mathematics, 2011, 311, 58-66.	0.7	4
15	On the number of n-ary quasigroups of finite order. Discrete Mathematics and Applications, 2011, 21, .	0.2	4
16	Propelinear 1-Perfect Codes From Quadratic Functions. IEEE Transactions on Information Theory, 2014, 60, 2065-2068.	2.4	4
17	On the number of SQSs, latin hypercubes and MDS codes. Journal of Combinatorial Designs, 2018, 26, 237-248.	0.6	4
18	On Multifold Packings of Radius-1 Balls in Hamming Graphs. IEEE Transactions on Information Theory, 2021, 67, 3585-3598.	2.4	4

#	Article	IF	Citations
19	Scalar-quantization-based multi-layer data hiding for video coding applications. , 2014, , .		3
20	On the number of transversals in latin squares. Discrete Applied Mathematics, 2016, 202, 194-196.	0.9	2
21	A Lower Bound on the Number of Boolean Functions with Median Correlation Immunity. , 2019, , .		2
22	On the Cardinality Spectrum and the Number of Latin Bitrades of Order 3. Problems of Information Transmission, 2019, 55, 343-365.	0.5	2
23	Combinatorial Designs, Difference Sets, and Bent Functions as Perfect Colorings of Graphs and Multigraphs. Siberian Mathematical Journal, 2020, 61, 867-877.	0.6	2
24	On q-ary bent and plateaued functions. Designs, Codes, and Cryptography, 2020, 88, 2037-2049.	1.6	2
25	Microstructural Features of Welded Railway Frogs formed by Flash Butt Welding and Pulse-Arc Cladding. Metal Working and Material Science, 2020, 22, 53-62.	0.3	2
26	An Upper Bound on the Number of Bent Functions. , 2021, , .		2
27	On switching equivalence of n-ary quasigroups of order 4 and perfect binary codes. Problems of Information Transmission, 2010, 46, 219-224.	0.5	1
28	Constructions of transitive latin hypercubes. European Journal of Combinatorics, 2016, 54, 51-64.	0.8	1
29	On two-fold packings of radius-1 balls in Hamming graphs. , 2019, , .		1
30	Combinatorial source encoding and perfect hashing. , 0, , .		0
31	Compression of square integrable functions: Fourier vs. wavelets. , 0, , .		0
32	Clique matchings in the k-ary n-dimensional cube. Siberian Mathematical Journal, 2011, 52, 303-310.	0.6	0
33	Construction of hamiltonian cycles with a given spectrum of edge directions in an n-dimensional Boolean cube. Journal of Applied and Industrial Mathematics, 2012, 6, 339-345.	0.4	0
34	Infinite-dimensional quasigroups of finite orders. Mathematical Notes, 2013, 93, 479-486.	0.4	0
35	What could be after HEVC?. , 2013, , .		0
36	Linear codes for an effective quantization of data. , 2016, , .		0

#	Article	IF	Citations
37	Gray coding cubic planar maps. Theoretical Computer Science, 2016, 616, 59-69.	0.9	0
38	On Minimal Distance between q-ary Plateaued Functions. , 2019, , .		0
39	On Weight Spectrum of Linear Codes. , 2021, , .		0
40	Embedding in MDS codes and Latin cubes. Journal of Combinatorial Designs, 0, , .	0.6	0