

# Vladimir N Potapov

## List of Publications by Year in descending order

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40  
papers

247  
citations

1307594

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h-index

996975

15  
g-index

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all docs

40  
docs citations

40  
times ranked

171  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | On Multifold Packings of Radius-1 Balls in Hamming Graphs. IEEE Transactions on Information Theory, 2021, 67, 3585-3598.                                     | 2.4 | 4         |
| 2  | On Weight Spectrum of Linear Codes. , 2021, , .  |     | 0         |
| 3  | An Upper Bound on the Number of Bent Functions. , 2021, , .  |     | 2         |
| 4  | Combinatorial Designs, Difference Sets, and Bent Functions as Perfect Colorings of Graphs and Multigraphs. Siberian Mathematical Journal, 2020, 61, 867-877. | 0.6 | 2         |
| 5  | On q-ary bent and plateaued functions. Designs, Codes, and Cryptography, 2020, 88, 2037-2049.  | 1.6 | 2         |
| 6  | Constructions of pairs of orthogonal latin cubes. Journal of Combinatorial Designs, 2020, 28, 604-613.   | 0.6 | 6         |
| 7  | 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         |
| 8  | On shortening u-cycles and u-words for permutations. Discrete Applied Mathematics, 2019, 260, 203-213.   | 0.9 | 5         |
| 9  | On Minimal Distance between q-ary Plateaued Functions. , 2019, , .   |     | 0         |
| 10 | A Lower Bound on the Number of Boolean Functions with Median Correlation Immunity. , 2019, , .   |     | 2         |
| 11 | On the Cardinality Spectrum and the Number of Latin Bitrades of Order 3. Problems of Information Transmission, 2019, 55, 343-365.                            | 0.5 | 2         |
| 12 | On two-fold packings of radius-1 balls in Hamming graphs. , 2019, , .  |     | 1         |
| 13 | On the number of SQSs, latin hypercubes and MDS codes. Journal of Combinatorial Designs, 2018, 26, 237-248.  | 0.6 | 4         |
| 14 | On minimal distance between q-ary bent functions. , 2016, , .  |     | 5         |
| 15 | On the number of transversals in latin squares. Discrete Applied Mathematics, 2016, 202, 194-196.  | 0.9 | 2         |
| 16 | Constructions of transitive latin hypercubes. European Journal of Combinatorics, 2016, 54, 51-64.  | 0.8 | 1         |
| 17 | Linear codes for an effective quantization of data. , 2016, , .  |     | 0         |
| 18 | Gray coding cubic planar maps. Theoretical Computer Science, 2016, 616, 59-69.   | 0.9 | 0         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | To the theory of $n$ -ary Steiner and other-type trades. Discrete Mathematics, 2016, 339, 1150-1157.  | 0.7  | 20        |
| 20 | Scalar-quantization-based multi-layer data hiding for video coding applications. , 2014, , .  |      | 3         |
| 21 | Propelinear 1-Perfect Codes From Quadratic Functions. IEEE Transactions on Information Theory, 2014, 60, 2065-2068.   | 2.4  | 4         |
| 22 | Infinite-dimensional quasigroups of finite orders. Mathematical Notes, 2013, 93, 479-486.   | 0.4  | 0         |
| 23 | Multidimensional Latin bitrades. Siberian Mathematical Journal, 2013, 54, 317-324.  | 0.6  | 9         |
| 24 | What could be after HEVC?. , 2013, , .  |      | 0         |
| 25 | 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         |
| 26 | On perfect 2-colorings of the $n$ -ary $n$ -cube. Discrete Mathematics, 2012, 312, 1269-1272.   | 0.7  | 12        |
| 27 | On extensions of partial $n$ -quasigroups of order 4. Siberian Advances in Mathematics, 2012, 22, 135-151.  | 0.4  | 6         |
| 28 | 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        |
| 29 | Clique matchings in the $k$ -ary $n$ -dimensional cube. Siberian Mathematical Journal, 2011, 52, 303-310.   | 0.6  | 0         |
| 30 | On connection between reducibility of an $n$ -ary quasigroup and that of its retracts. Discrete Mathematics, 2011, 311, 58-66.  | 0.7  | 4         |
| 31 | On the number of $n$ -ary quasigroups of finite order. Discrete Mathematics and Applications, 2011, 21, .   | 0.2  | 4         |
| 32 | 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         |
| 33 | $n$ -Ary Quasigroups of Order 4. SIAM Journal on Discrete Mathematics, 2009, 23, 561-570.   | 0.8  | 28        |
| 34 | A lower bound for the number of transitive perfect codes. Journal of Applied and Industrial Mathematics, 2007, 1, 373-379.  | 0.4  | 5         |
| 35 | Asymptotics for the number of $n$ -quasigroups of order 4. Siberian Mathematical Journal, 2006, 47, 720-731.  | 0.6  | 21        |
| 36 | Complexity: an internet resource for analysis of DNA sequence complexity. Nucleic Acids Research, 2004, 32, W628-W633.  | 14.5 | 73        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | On Multifold MDS and Perfect Codes That Are Not Splittable into Onefold Codes. Problems of Information Transmission, 2004, 40, 5-12. | 0.5 | 6         |
| 38 | Combinatorial source encoding and perfect hashing. , 0, , .  |     | 0         |
| 39 | Compression of square integrable functions: Fourier vs. wavelets. , 0, , .   |     | 0         |
| 40 | Embedding in MDS codes and Latin cubes. Journal of Combinatorial Designs, 0, , .   | 0.6 | 0         |