

# Boris Polyak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4828213/publications.pdf>

Version: 2024-02-01

10  
papers

156  
citations

1684188

5  
h-index

1872680

6  
g-index

10  
all docs

10  
docs citations

10  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-monotone Behavior of the Heavy Ball Method. Springer Proceedings in Mathematics and Statistics, 2020, , 213-230.	0.2	1
2	Why Does Monte Carlo Fail to Work Properly in High-Dimensional Optimization Problems?. Journal of Optimization Theory and Applications, 2017, 173, 612-627.	1.5	6
3	Convexity/Nonconvexity Certificates for Power Flow Analysis. Trends in Mathematics, 2017, , 221-230.	0.1	6
4	Lyapunov Functions: An Optimization Theory Perspective * *This work was supported by the Russian Scientific Foundation, project no. 16-11-10015. IFAC-PapersOnLine, 2017, 50, 7456-7461.	0.9	27
5	On Existence and Stability of Equilibria of Linear Time-Invariant Systems With Constant Power Loads. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 114-121.	5.4	79
6	Quadratic image of a ball: Towards efficient description of the boundary. , 2014, , .		1
7	Robust eigenvector of a stochastic matrix with application to PageRank. , 2012, , .		11
8	Adaptive randomized algorithm for finding eigenvector of stochastic matrix with application to PageRank. , 2009, , .		10
9	A randomized algorithm for finding eigenvector of stochastic matrix with application to PageRank problem. , 2009, , .		5
10	Special issue on the set membership modelling of uncertainties in dynamical systems. Mathematical and Computer Modelling of Dynamical Systems, 2005, 11, 123-124.	2.2	10