

# Artem Napov

## List of Publications by Year in descending order

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385  
citing authors

#	ARTICLE	IF	CITATIONS
1	A divide-and-conquer bound for aggregateâ€™s quality and algebraic connectivity. Discrete Mathematics, 2017, 340, 2355-2365.	0.7	0
2	An Efficient Multigrid Method for Graph Laplacian Systems II: Robust Aggregation. SIAM Journal of Scientific Computing, 2017, 39, S379-S403.	2.8	11
3	A Distributed-Memory Package for Dense Hierarchically Semi-Separable Matrix Computations Using Randomization. ACM Transactions on Mathematical Software, 2016, 42, 1-35.	2.9	81
4	An Efficient Multicore Implementation of a Novel HSS-Structured Multifrontal Solver Using Randomized Sampling. SIAM Journal of Scientific Computing, 2016, 38, S358-S384.	2.8	81
5	An algebraic multifrontal preconditioner that exploits the lowâ€™rank property. Numerical Linear Algebra With Applications, 2016, 23, 61-82.	1.6	8
6	A massively parallel solver for discrete Poisson-like problems. Journal of Computational Physics, 2015, 281, 237-250.	3.8	35
7	Algebraic Multigrid for Moderate Order Finite Elements. SIAM Journal of Scientific Computing, 2014, 36, A1678-A1707.	2.8	6
8	Conditioning Analysis of Incomplete Cholesky Factorizations with Orthogonal Dropping. SIAM Journal on Matrix Analysis and Applications, 2013, 34, 1148-1173.	1.4	5
9	An Algebraic Multigrid Method with Guaranteed Convergence Rate. SIAM Journal of Scientific Computing, 2012, 34, A1079-A1109.	2.8	163
10	Smoothing factor, order of prolongation and actual multigrid convergence. Numerische Mathematik, 2011, 118, 457-483.	1.9	14
11	Algebraic analysis of aggregation-based multigrid. Numerical Linear Algebra With Applications, 2011, 18, 539-564.	1.6	31
12	When does twoâ€™grid optimality carry over to the Vâ€™cycle?. Numerical Linear Algebra With Applications, 2010, 17, 273-290.	1.6	5
13	Comparison of bounds for V-cycle multigrid. Applied Numerical Mathematics, 2010, 60, 176-192.	2.1	8