

Ignat Domanov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Systems of Polynomial Equations, Higher-Order Tensor Decompositions, and Multidimensional Harmonic Retrieval: A Unifying Framework. Part II: The Block Term Decomposition. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2021, 42, 913-953.	0.7	2
2	From Computation to Comparison of Tensor Decompositions. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2021, 42, 449-474.	0.7	2
3	On Uniqueness and Computation of the Decomposition of a Tensor into Multilinear Rank- $(1, L_r, L_r)$ Terms. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2020, 41, 747-803.	0.7	14
4	Coupled Canonical Polyadic Decompositions and Multiple Shift Invariance in Array Processing. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 3665-3680.	3.2	14
5	On the Largest Multilinear Singular Values of Higher-Order Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2017, 38, 1434-1453.	0.7	2
6	Canonical polyadic decomposition of third-order tensors: Relaxed uniqueness conditions and algebraic algorithm. <i>Linear Algebra and Its Applications</i> , 2017, 513, 342-375.	0.4	60
7	Exact line and plane search for tensor optimization. <i>Computational Optimization and Applications</i> , 2016, 63, 121-142.	0.9	22
8	Generic Uniqueness of a Structured Matrix Factorization and Applications in Blind Source Separation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016, 10, 701-711.	7.3	20
9	Coupled Canonical Polyadic Decompositions and (Coupled) Decompositions in Multilinear Rank- $(L_{\{r,n\}}, L_{\{r,n\}}, 1)$ Terms—Part II: Algorithms. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 1015-1045.	0.7	55
10	Generic Uniqueness Conditions for the Canonical Polyadic Decomposition and INDSCAL. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 1567-1589.	0.7	55
11	Canonical Polyadic Decomposition of Third-Order Tensors: Reduction to Generalized Eigenvalue Decomposition. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 636-660.	0.7	84
12	On the Uniqueness of the Canonical Polyadic Decomposition of Third-Order Tensors—Part II: Uniqueness of the Overall Decomposition. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013, 34, 876-903.	0.7	121
13	On the Uniqueness of the Canonical Polyadic Decomposition of Third-Order Tensors—Part I: Basic Results and Uniqueness of One Factor Matrix. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013, 34, 855-875.	0.7	107
14	On invariant subspaces of matrices: A new proof of a theorem of Halmos. <i>Linear Algebra and Its Applications</i> , 2010, 433, 2255-2256.	0.4	4
15	On the Spectral Analysis of Direct Sums of Riemann-Liouville Operators in Sobolev Spaces of Vector Functions. <i>Integral Equations and Operator Theory</i> , 2009, 63, 181-215.	0.4	14
16	On the spectrum of the operator which is a composition of integration and substitution. <i>Studia Mathematica</i> , 2008, 185, 49-65.	0.4	1
17	Invariant and hyperinvariant subspaces of an operator J_{\pm} and related operator algebras in Sobolev spaces. <i>Linear Algebra and Its Applications</i> , 2002, 348, 209-230.	0.4	6