

Nick Vannieuwenhoven

List of Publications by Year in descending order

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384
citing authors

#	ARTICLE	IF	CITATIONS
1	The Average Condition Number of Most Tensor Rank Decomposition Problems is Infinite. Foundations of Computational Mathematics, 2023, 23, 433-491.	2.5	0
2	Tensor completion using geodesics on Segre manifolds. Numerical Linear Algebra With Applications, 2022, 29, .	1.6	0
3	The Condition Number of Riemannian Approximation Problems. SIAM Journal on Optimization, 2021, 31, 1049-1077.	2.0	7
4	All secant varieties of the Chow variety are nondefective for cubics and quaternary forms. Transactions of the American Mathematical Society, 2021, 374, 4815-4838.	0.9	1
5	On the average condition number of tensor rank decompositions. IMA Journal of Numerical Analysis, 2020, 40, 1908-1936.	2.9	3
6	Analyzing Soccer Players' Skill Ratings Over Time Using Tensor-Based Methods. Communications in Computer and Information Science, 2020, , 225-234.	0.5	0
7	Pencil-Based Algorithms for Tensor Rank Decomposition are not Stable. SIAM Journal on Matrix Analysis and Applications, 2019, 40, 739-773.	1.4	17
8	Most secant varieties of tangential varieties to Veronese varieties are nondefective. Transactions of the American Mathematical Society, 2018, 370, 393-420.	0.9	10
9	The Condition Number of Join Decompositions. SIAM Journal on Matrix Analysis and Applications, 2018, 39, 287-309.	1.4	24
10	Convergence analysis of Riemannian Gauss-Newton methods and its connection with the geometric condition number. Applied Mathematics Letters, 2018, 78, 42-50.	2.7	10
11	Identifiability beyond Kruskal's bound for symmetric tensors of degree 4. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2018, 29, 465-485.	0.6	7
12	A Riemannian Trust Region Method for the Canonical Tensor Rank Approximation Problem. SIAM Journal on Optimization, 2018, 28, 2435-2465.	2.0	20
13	On generic identifiability of symmetric tensors of subgeneric rank. Transactions of the American Mathematical Society, 2017, 369, 4021-4042.	0.9	44
14	Condition numbers for the tensor rank decomposition. Linear Algebra and Its Applications, 2017, 535, 35-86.	0.9	19
15	Effective Criteria for Specific Identifiability of Tensors and Forms. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 656-681.	1.4	45
16	A randomized algorithm for testing nonsingularity of structured matrices with an application to asserting nondefectivity of Segre varieties. IMA Journal of Numerical Analysis, 2015, 35, 289-324.	2.9	3
17	Computing the Gradient in Optimization Algorithms for the CP Decomposition in Constant Memory through Tensor Blocking. SIAM Journal of Scientific Computing, 2015, 37, C415-C438.	2.8	21
18	On Generic Nonexistence of the Schmidt-Eckart-Young Decomposition for Complex Tensors. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 886-903.	1.4	15

#	ARTICLE	IF	CITATIONS
19	An Algorithm For Generic and Low-Rank Specific Identifiability of Complex Tensors. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 1265-1287.	1.4	143
20	IMF: An Incomplete Multifrontal LU -Factorization for Element-Structured Sparse Linear Systems. SIAM Journal of Scientific Computing, 2013, 35, A270-A293.	2.8	10
21	A New Truncation Strategy for the Higher-Order Singular Value Decomposition. SIAM Journal of Scientific Computing, 2012, 34, A1027-A1052.	2.8	153
22	An Element-by-Element Multilevel Block ILU Preconditioner Using GLAS. , 2010, , .		0
23	Almost all subgeneric third-order Chow decompositions are identifiable. Annali Di Matematica Pura Ed Applicata, 0, , .	1.0	0