

Yun-Bin Zhao

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Reweighted ℓ_1 -Minimization for Sparse Solutions to Underdetermined Linear Systems. SIAM Journal on Optimization, 2012, 22, 1065-1088.	2.0	90
2	Monotonicity of Fixed Point and Normal Mappings Associated with Variational Inequality and Its Application. SIAM Journal on Optimization, 2001, 11, 962-973.	2.0	81
3	RSP-Based Analysis for Sparsest and Least ℓ_1 -Norm Solutions to Underdetermined Linear Systems. IEEE Transactions on Signal Processing, 2013, 61, 5777-5788.	5.3	44
4	Exceptional families and finite-dimensional variational inequalities over polyhedral convex sets. Applied Mathematics and Computation, 1997, 87, 111-126.	2.2	32
5	An approximation theory of matrix rank minimization and its application to quadratic equations. Linear Algebra and Its Applications, 2012, 437, 77-93.	0.9	27
6	Explicit Reformulations for Robust Optimization Problems with General Uncertainty Sets. SIAM Journal on Optimization, 2008, 18, 1436-1466.	2.0	26
7	A Globally and Locally Superlinearly Convergent Non-Interior-Point Algorithm for POLCPs. SIAM Journal on Optimization, 2003, 13, 1195-1221.	2.0	24
8	Optimal k -Thresholding Algorithms for Sparse Optimization Problems. SIAM Journal on Optimization, 2020, 30, 31-55.	2.0	23
9	On a New Homotopy Continuation Trajectory for Nonlinear Complementarity Problems. Mathematics of Operations Research, 2001, 26, 119-146.	1.3	22
10	Equivalence and Strong Equivalence Between the Sparsest and Least ℓ_1 -Norm Nonnegative Solutions of Linear Systems and Their Applications. Journal of the Operations Research Society of China, 2014, 2, 171-193.	1.4	22
11	Newton-Step-Based Hard Thresholding Algorithms for Sparse Signal Recovery. IEEE Transactions on Signal Processing, 2020, 68, 6594-6606.	5.3	19
12	Constructing New Weighted ℓ_1 -Algorithms for the Sparsest Points of Polyhedral Sets. Mathematics of Operations Research, 2017, 42, 57-76.	1.3	15
13	A New Computational Method for the Sparsest Solutions to Systems of Linear Equations. SIAM Journal on Optimization, 2015, 25, 1110-1134.	2.0	14
14	An alternative theorem for generalized variational inequalities and solvability of nonlinear quasi-complementarity problems. Applied Mathematics and Computation, 2000, 109, 167-182.	2.2	13
15	Analysis of optimal thresholding algorithms for compressed sensing. Signal Processing, 2021, 187, 108148.	3.7	13
16	Properties of a homotopy solution path for complementarity problems with quasi-monotone mappings. Applied Mathematics and Computation, 2004, 148, 93-104.	2.2	9
17	Global bounds for the distance to solutions of co-coercive variational inequalities. Operations Research Letters, 2007, 35, 409-415.	0.7	9
18	Locating the Least 2-Norm Solution of Linear Programs via a Path-Following Method. SIAM Journal on Optimization, 2002, 12, 893-912.	2.0	7

#	ARTICLE	IF	CITATIONS
19	New and improved conditions for uniqueness of sparsest solutions of underdetermined linear systems. Applied Mathematics and Computation, 2013, 224, 58-73.	2.2	7
20	D-orientation sequences for continuous functions and nonlinear complementarity problems. Applied Mathematics and Computation, 1999, 106, 221-235.	2.2	6
21	The Legendre-Fenchel Conjugate of the Product of Two Positive Definite Quadratic Forms. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 1792-1811.	1.4	5
22	Partial gradient optimal thresholding algorithms for a class of sparse optimization problems. Journal of Global Optimization, 2022, 84, 393-413.	1.8	5
23	Painlevé-Kuratowski convergence of minimal solutions for set-valued optimization problems via improvement sets. Journal of Global Optimization, 2023, 87, 759-781.	1.8	5
24	The iterative methods for monotone generalized variational inequalities. Optimization, 1997, 42, 285-307.	1.7	4
25	Stability analysis of a class of sparse optimization problems. Optimization Methods and Software, 2020, 35, 836-854.	2.4	4
26	On norm compression inequalities for partitioned block tensors. Calcolo, 2020, 57, 1.	1.1	4
27	Robust univariate spline models for interpolating interval data. Operations Research Letters, 2011, 39, 62-66.	0.7	3
28	On the proximal Landweber Newton method for a class of nonsmooth convex problems. Computational Optimization and Applications, 2015, 61, 79-99.	1.6	3
29	Newton-Type Optimal Thresholding Algorithms for Sparse Optimization Problems. Journal of the Operations Research Society of China, 2022, 10, 447-469.	1.4	3
30	Constructing Generalized Mean Functions Using Convex Functions with Regularity Conditions. SIAM Journal on Optimization, 2006, 17, 37-51.	2.0	2
31	Convexity Conditions and the Legendre-Fenchel Transform for the Product of Finitely Many Positive Definite Quadratic Forms. Applied Mathematics and Optimization, 2010, 62, 411-434.	1.6	2
32	Rank-one solutions for homogeneous linear matrix equations over the positive semidefinite cone. Applied Mathematics and Computation, 2013, 219, 5569-5583.	2.2	2
33	Convexity conditions of Kantorovich function and related semi-infinite linear matrix inequalities. Journal of Computational and Applied Mathematics, 2011, 235, 4389-4403.	2.0	1
34	Dual-density-based reweighted ℓ_1 -algorithms for a class of ℓ_0 -minimization problems. Journal of Global Optimization, 2021, 81, 749-772.	1.8	1
35	Uniqueness Conditions for A Class of ℓ_0 -Minimization Problems. Asia-Pacific Journal of Operational Research, 2015, 32, 1540002.	1.3	0
36	Weak Stability of ℓ_1 -Minimization Methods in Sparse Data Reconstruction. Mathematics of Operations Research, 2018, , .	1.3	0