

# Zhi Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6863893/publications.pdf>

Version: 2024-02-01

15  
papers

121  
citations

1478505

6  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

61  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Riemannian Newton Algorithm for Nonlinear Eigenvalue Problems. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 752-774.	1.4	34
2	A Geometric Nonlinear Conjugate Gradient Method for Stochastic Inverse Eigenvalue Problems. SIAM Journal on Numerical Analysis, 2016, 54, 2015-2035.	2.3	22
3	A Riemannian Fletcher-Reeves Conjugate Gradient Method for Doubly Stochastic Inverse Eigenvalue Problems. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 215-234.	1.4	18
4	A Riemannian inexact Newton-CG method for constructing a nonnegative matrix with prescribed realizable spectrum. Numerische Mathematik, 2018, 140, 827-855.	1.9	10
5	Nonnegative inverse eigenvalue problems with partial eigendata. Numerische Mathematik, 2012, 120, 387-431.	1.9	8
6	A Riemannian variant of the Fletcher-Reeves conjugate gradient method for stochastic inverse eigenvalue problems with partial eigendata. Numerical Linear Algebra With Applications, 2019, 26, e2221.	1.6	7
7	A Riemannian derivative-free Polak-Ribière-Polyak method for tangent vector field. Numerical Algorithms, 2021, 86, 325-355.	1.9	5
8	Riemannian Newton-CG methods for constructing a positive doubly stochastic matrix from spectral data*. Inverse Problems, 2020, 36, 115006.	2.0	5
9	A geometric Gauss-Newton method for least squares inverse eigenvalue problems. BIT Numerical Mathematics, 2020, 60, 825-852.	2.0	4
10	On the alternating direction method of multipliers for nonnegative inverse eigenvalue problems with partial eigendata. Journal of Computational and Applied Mathematics, 2013, 239, 114-134.	2.0	3
11	Optimal preconditioners for functions of matrices. Linear Algebra and Its Applications, 2014, 457, 224-243.	0.9	3
12	A Convergence Analysis of the MINRES Method for Some Hermitian Indefinite Systems. East Asian Journal on Applied Mathematics, 2017, 7, 827-836.	0.9	1
13	A modified Riemannian Halpern algorithm for nonexpansive mappings on Hadamard manifolds. Optimization, 0, , 1-21.	1.7	1
14	A Riemannian under-determined BFGS method for least squares inverse eigenvalue problems. BIT Numerical Mathematics, 0, , 1.	2.0	0
15	The Riemannian two-step perturbed Gauss-Newton method for least squares inverse eigenvalue problems. Journal of Computational and Applied Mathematics, 2022, 405, 113971.	2.0	0