

# Zhi Zhao

## List of Publications by Year in descending order

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