Zuoqiang Shi

List of Publications by Year
in descending order

21 papers	597 citations	840776 11 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	440 citing authors

#	Article	IF	Citations
1	Data-driven time–frequency analysis. Applied and Computational Harmonic Analysis, 2013, 35, 284-308.	2.2	127
2	ADAPTIVE DATA ANALYSIS VIA SPARSE TIME-FREQUENCY REPRESENTATION. Advances in Adaptive Data Analysis, 2011, 03, 1-28.	0.6	126
3	Low Dimensional Manifold Model for Image Processing. SIAM Journal on Imaging Sciences, 2017, 10, 1669-1690.	2.2	78
4	MAGIC: Manifold and Graph Integrative Convolutional Network for Low-Dose CT Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3459-3472.	8.9	53
5	Weighted Nonlocal Laplacian on Interpolation from Sparse Data. Journal of Scientific Computing, 2017, 73, 1164-1177.	2.3	38
6	Convergence of a data-driven time–frequency analysis method. Applied and Computational Harmonic Analysis, 2014, 37, 235-270.	2.2	27
7	Extracting a shape function for a signal with intra-wave frequency modulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150194.	3.4	26
8	Point Integral Method for Solving Poisson-Type Equations on Manifolds from Point Clouds with Convergence Guarantees. Communications in Computational Physics, 2017, 22, 228-258.	1.7	26
9	A Convergent Point Integral Method for Isotropic Elliptic Equations on a Point Cloud. Multiscale Modeling and Simulation, 2016, 14, 874-905.	1.6	23
10	Generalization of the Weighted Nonlocal Laplacian in Low Dimensional Manifold Model. Journal of Scientific Computing, 2018, 75, 638-656.	2.3	18
11	Sparse time-frequency representation of nonlinear and nonstationary data. Science China Mathematics, 2013, 56, 2489-2506.	1.7	15
12	On Singularity Formation of a Nonlinear Nonlocal System. Archive for Rational Mechanics and Analysis, 2011, 199, 117-144.	2.4	10
13	Convergence of the point integral method for Laplace–Beltrami equation on point cloud. Research in Mathematical Sciences, 2017, 4, 1.	1.0	7
14	Group-Sparsity-Based Super-Resolution Dipole Orientation Mapping. IEEE Transactions on Medical Imaging, 2019, 38, 2687-2694.	8.9	6
15	CURE: Curvature Regularization for Missing Data Recovery. SIAM Journal on Imaging Sciences, 2020, 13, 2169-2188.	2.2	4
16	On the Uniqueness of Sparse Time-Frequency Representation of Multiscale Data. Multiscale Modeling and Simulation, 2015, 13, 790-811.	1.6	3
17	Harmonic Extension on The Point Cloud. Multiscale Modeling and Simulation, 2018, 16, 215-247.	1.6	3
18	Low Dimensional Manifold Model in Hyperspectral Image Reconstruction. Advances in Computer Vision and Pattern Recognition, 2020, , 295-317.	1.3	3

#	Article	IF	Citations
19	A decadal microwave record of tropical air temperature from AMSU-A/aqua observations. Climate Dynamics, 2013, 41, 1385-1405.	3.8	2
20	Scalable Low Dimensional Manifold Model In The Reconstruction Of Noisy And Incomplete Hyperspectral Images. , 2018, , .		2
21	A two-level method for sparse time-frequency representation of multiscale data. Science China Mathematics, 2017, 60, 1733-1752.	1.7	0