Julianne Chung

List of Publications by Year
in descending order

33 papers	452 citations	687220 13 h-index	752573 20 g-index
35 all docs	35 docs citations	35 times ranked	320 citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical methods for coupled super-resolution. Inverse Problems, 2006, 22, 1261-1272.	1.0	73
2	An Efficient Iterative Approach for Large-Scale Separable Nonlinear Inverse Problems. SIAM Journal of Scientific Computing, 2010, 31, 4654-4674.	1.3	51
3	Designing Optimal Spectral Filters for Inverse Problems. SIAM Journal of Scientific Computing, 2011, 33, 3132-3152.	1.3	26
4	Numerical Algorithms for Polyenergetic Digital Breast Tomosynthesis Reconstruction. SIAM Journal on Imaging Sciences, 2010, 3, 133-152.	1.3	25
5	A Hybrid LSMR Algorithm for Large-Scale Tikhonov Regularization. SIAM Journal of Scientific Computing, 2015, 37, S562-S580.	1.3	24
6	Learning regularization parameters for general-form Tikhonov. Inverse Problems, 2017, 33, 074004.	1.0	24
7	Flexible Krylov Methods for ℓ_p Regularization. SIAM Journal of Scientific Computing, 2019, 41, S149-S171.	1.3	22
8	Efficient generalized Golub–Kahan based methods for dynamic inverse problems. Inverse Problems, 2018, 34, 024005.	1.0	20
9	Motion Estimation and Correction in Photoacoustic Tomographic Reconstruction. SIAM Journal on Imaging Sciences, 2017, 10, 216-242.	1.3	19
10	Learning regularization parameters of inverse problems via deep neural networks. Inverse Problems, 2021, 37, 105017.	1.0	19
11	Generalized Hybrid Iterative Methods for Large-Scale Bayesian Inverse Problems. SIAM Journal of Scientific Computing, 2017, 39, S24-S46.	1.3	16
12	An efficient approach for computing optimal low-rank regularized inverse matrices. Inverse Problems, 2014, 30, 114009.	1.0	14
13	Sampled Tikhonov regularization for large linear inverse problems. Inverse Problems, 2019, 35, 114008.	1.0	14
14	A Framework for Regularization via Operator Approximation. SIAM Journal of Scientific Computing, 2015, 37, B332-B359.	1.3	12
15	Optimal Experimental Design for Inverse Problems with State Constraints. SIAM Journal of Scientific Computing, 2018, 40, B1080-B1100.	1.3	11
16	Large-Scale Inverse Problems in Imaging. , 2011, , 43-86.		11
17	Optimal regularized low rank inverse approximation. Linear Algebra and Its Applications, 2015, 468, 260-269.	0.4	10
18	Windowed Spectral Regularization of Inverse Problems. SIAM Journal of Scientific Computing, 2011, 33, 3175-3200.	1.3	9

#	Article	IF	Citations
19	High-Performance Three-Dimensional Image Reconstruction for Molecular Structure Determination. International Journal of High Performance Computing Applications, 2010, 24, 117-135.	2.4	7
20	Sampled limited memory methods for massive linear inverse problems. Inverse Problems, 2020, 36, 054001.	1.0	6
21	Optimal Filters from Calibration Data for Image Deconvolution with Data Acquisition Error. Journal of Mathematical Imaging and Vision, 2012, 44, 366-374.	0.8	5
22	Computing optimal low-rank matrix approximations for image processing. , 2013, , .		5
23	Computational methods for image reconstruction. NMR in Biomedicine, 2017, 30, e3545.	1.6	5
24	Efficient Krylov subspace methods for uncertainty quantification in large Bayesian linear inverse problems. Numerical Linear Algebra With Applications, 2020, 27, e2325.	0.9	5
25	Hybrid projection methods for large-scale inverse problems with mixed Gaussian priors. Inverse Problems, 2021, 37, 044002.	1.0	4
26	Optimal Regularized Inverse Matrices for Inverse Problems. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 458-477.	0.7	3
27	Hybrid Projection Methods with Recycling for Inverse Problems. SIAM Journal of Scientific Computing, 2021, 43, S146-S172.	1.3	3
28	Recovering signals in physiological systems with large datasets. Biology Open, 2016, 5, 1163-1174.	0.6	2
29	Computational tools for inversion and uncertainty estimation in respirometry. PLoS ONE, 2021, 16, e0251926.	1.1	2
30	Large-Scale Inverse Problems in Imaging. , 2015, , 47-90.		1
31	Research in Inverse Problems and Training in Computational Science: A Reflection on the Importance of Community. Computing in Science and Engineering, 2021, 23, 25-33.	1.2	1
32	Large-Scale Inverse Problems in Imaging. , 2014, , 1-40.		0
33	Large-Scale Inverse Problems in Imaging. , 2014, , 1-40.		0