

# Julianne Chung

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Hybrid projection methods for large-scale inverse problems with mixed Gaussian priors. <i>Inverse Problems</i> , 2021, 37, 044002.	1.0	4
2	Hybrid Projection Methods with Recycling for Inverse Problems. <i>SIAM Journal of Scientific Computing</i> , 2021, 43, S146-S172.	1.3	3
3	Computational tools for inversion and uncertainty estimation in respirometry. <i>PLoS ONE</i> , 2021, 16, e0251926.	1.1	2
4	Learning regularization parameters of inverse problems via deep neural networks. <i>Inverse Problems</i> , 2021, 37, 105017.	1.0	19
5	Research in Inverse Problems and Training in Computational Science: A Reflection on the Importance of Community. <i>Computing in Science and Engineering</i> , 2021, 23, 25-33.	1.2	1
6	Efficient Krylov subspace methods for uncertainty quantification in large Bayesian linear inverse problems. <i>Numerical Linear Algebra With Applications</i> , 2020, 27, e2325.	0.9	5
7	Sampled limited memory methods for massive linear inverse problems. <i>Inverse Problems</i> , 2020, 36, 054001.	1.0	6
8	Flexible Krylov Methods for $\ell_p$ Regularization. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, S149-S171.	1.3	22
9	Sampled Tikhonov regularization for large linear inverse problems. <i>Inverse Problems</i> , 2019, 35, 114008.	1.0	14
10	Efficient generalized Golub-Kahan based methods for dynamic inverse problems. <i>Inverse Problems</i> , 2018, 34, 024005.	1.0	20
11	Optimal Experimental Design for Inverse Problems with State Constraints. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, B1080-B1100.	1.3	11
12	Computational methods for image reconstruction. <i>NMR in Biomedicine</i> , 2017, 30, e3545.	1.6	5
13	Motion Estimation and Correction in Photoacoustic Tomographic Reconstruction. <i>SIAM Journal on Imaging Sciences</i> , 2017, 10, 216-242.	1.3	19
14	Learning regularization parameters for general-form Tikhonov. <i>Inverse Problems</i> , 2017, 33, 074004.	1.0	24
15	Optimal Regularized Inverse Matrices for Inverse Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2017, 38, 458-477.	0.7	3
16	Generalized Hybrid Iterative Methods for Large-Scale Bayesian Inverse Problems. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, S24-S46.	1.3	16
17	Recovering signals in physiological systems with large datasets. <i>Biology Open</i> , 2016, 5, 1163-1174.	0.6	2
18	Optimal regularized low rank inverse approximation. <i>Linear Algebra and Its Applications</i> , 2015, 468, 260-269.	0.4	10

#	ARTICLE	IF	CITATIONS
19	A Framework for Regularization via Operator Approximation. SIAM Journal of Scientific Computing, 2015, 37, B332-B359.	1.3	12
20	A Hybrid LSMR Algorithm for Large-Scale Tikhonov Regularization. SIAM Journal of Scientific Computing, 2015, 37, S562-S580.	1.3	24
21	Large-Scale Inverse Problems in Imaging. , 2015, , 47-90.		1
22	Large-Scale Inverse Problems in Imaging. , 2014, , 1-40.		0
23	An efficient approach for computing optimal low-rank regularized inverse matrices. Inverse Problems, 2014, 30, 114009.	1.0	14
24	Large-Scale Inverse Problems in Imaging. , 2014, , 1-40.		0
25	Computing optimal low-rank matrix approximations for image processing. , 2013, , .		5
26	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
27	Designing Optimal Spectral Filters for Inverse Problems. SIAM Journal of Scientific Computing, 2011, 33, 3132-3152.	1.3	26
28	Windowed Spectral Regularization of Inverse Problems. SIAM Journal of Scientific Computing, 2011, 33, 3175-3200.	1.3	9
29	Large-Scale Inverse Problems in Imaging. , 2011, , 43-86.		11
30	High-Performance Three-Dimensional Image Reconstruction for Molecular Structure Determination. International Journal of High Performance Computing Applications, 2010, 24, 117-135.	2.4	7
31	Numerical Algorithms for Polyenergetic Digital Breast Tomosynthesis Reconstruction. SIAM Journal on Imaging Sciences, 2010, 3, 133-152.	1.3	25
32	An Efficient Iterative Approach for Large-Scale Separable Nonlinear Inverse Problems. SIAM Journal of Scientific Computing, 2010, 31, 4654-4674.	1.3	51
33	Numerical methods for coupled super-resolution. Inverse Problems, 2006, 22, 1261-1272.	1.0	73