

Audrey Repetti

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

669
citations

840728

11
h-index

996954

15
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31
all docs

31
docs citations

31
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable Metric Forward-Backward Algorithm for Minimizing the Sum of a Differentiable Function and a Convex Function. Journal of Optimization Theory and Applications, 2014, 162, 107-132.	1.5	143
2	A block coordinate variable metric forward-backward algorithm. Journal of Global Optimization, 2016, 66, 457-485.	1.8	103
3	Euclid in a Taxicab: Sparse Blind Deconvolution with Smoothed ℓ_1/ℓ_2 Regularization. IEEE Signal Processing Letters, 2015, 22, 539-543.	3.6	90
4	Computational time-of-flight diffuse optical tomography. Nature Photonics, 2019, 13, 575-579.	31.4	64
5	Scalable splitting algorithms for big-data interferometric imaging in the SKA era. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4314-4335.	4.4	61
6	Scalable Bayesian Uncertainty Quantification in Imaging Inverse Problems via Convex Optimization. SIAM Journal on Imaging Sciences, 2019, 12, 87-118.	2.2	31
7	Learning Maximally Monotone Operators for Image Recovery. SIAM Journal on Imaging Sciences, 2021, 14, 1206-1237.	2.2	31
8	Computational optical imaging with a photonic lantern. Nature Communications, 2020, 11, 5217.	12.8	23
9	Non-convex optimization for self-calibration of direction-dependent effects in radio interferometric imaging. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3981-4006.	4.4	20
10	Variable Metric Forward-Backward Algorithm for Composite Minimization Problems. SIAM Journal on Optimization, 2021, 31, 1215-1241.	2.0	15
11	A nonconvex regularized approach for phase retrieval. , 2014, , .		13
12	Sparse interferometric Stokes imaging under the polarization constraint (Polarized SARA). Monthly Notices of the Royal Astronomical Society, 2018, 478, 4442-4463.	4.4	13
13	Building Firmly Nonexpansive Convolutional Neural Networks. , 2020, , .		13
14	Proximal operator of quotient functions with application to a feasibility problem in query optimization. Journal of Computational and Applied Mathematics, 2015, 285, 243-255.	2.0	9
15	Polca SARA - full polarization, direction-dependent calibration, and sparse imaging for radio interferometry. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3509-3528.	4.4	9
16	A preconditioned Forward-Backward approach with application to large-scale nonconvex spectral unmixing problems. , 2014, , .		8
17	Enhanced Convergent PNP Algorithms For Image Restoration. , 2021, , .		5
18	A random block-coordinate primal-dual proximal algorithm with application to 3D mesh denoising. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	A non-convex perspective on calibration and imaging in radio interferometry. , 2017, , .		3
20	A parallel block-coordinate approach for primal-dual splitting with arbitrary random block selection. , 2015, , .		2
21	A regularized tri-linear approach for optical interferometric imaging. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1142-1155.	4.4	2
22	Uncertainty Quantification in Imaging: When Convex Optimization Meets Bayesian Analysis. , 2018, , .		2
23	Greedy approximate projection for magnetic resonance fingerprinting with partial volumes. Inverse Problems, 2020, 36, 035015.	2.0	2
24	Scalable Algorithm for Polarization Constrained Sparse Interferometric Stokes Imaging. , 2018, , .		1
25	Time-Regularized Blind Deconvolution Approach for Radio Interferometry. , 2018, , .		1
26	Fast Spatially Coherent Fiber Orientation Estimation in Diffusion MRI from kq-Space Sampling. , 2019, , .		1
27	A Forward-Backward Algorithm for Reweighted Procedures: Application to Radio-Astronomical Imaging. , 2020, , .		1
28	Facet-Based Regularization for Scalable Radio-Interferometric Imaging. , 2018, , .		0
29	Fast kq-Space Sampling with Motion-Induced Phase in Diffusion MRI. , 2018, , .		0
30	Diffuse Time-of-flight Imaging with a Single-Photon Camera. , 2018, , .		0
31	Fast Fiber Orientation Estimation in Diffusion MRI from kq-Space Sampling and Anatomical Priors. Journal of Imaging, 2021, 7, 226.	3.0	0