

Elias S Helou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Markovian Incremental Stochastic Subgradient Algorithm. IEEE Transactions on Automatic Control, 2023, 68, 124-139.	3.6	1
2	Derivative-free superiorization: principle and algorithm. Numerical Algorithms, 2021, 88, 227-248.	1.1	4
3	Fast Proximal Gradient Methods for Nonsmooth Convex Optimization for Tomographic Image Reconstruction. Sensing and Imaging, 2020, 21, 1.	1.0	1
4	Fast multicomponent 3D D^{ET} T^{I} relaxometry. NMR in Biomedicine, 2020, 33, e4318.	1.6	5
5	A New Sequential Optimality Condition for Constrained Nonsmooth Optimization. SIAM Journal on Optimization, 2020, 30, 1610-1637.	1.2	12
6	Analysis of a New Sequential Optimality Condition Applied to Mathematical Programs with Equilibrium Constraints. Journal of Optimization Theory and Applications, 2020, 185, 433-447.	0.8	4
7	String-averaging incremental stochastic subgradient algorithms. Optimization Methods and Software, 2019, 34, 665-692.	1.6	1
8	The discrete Fourier transform for golden angle linogram sampling. Inverse Problems, 2019, 35, 125004.	1.0	1
9	Monotone FISTA With Variable Acceleration for Compressed Sensing Magnetic Resonance Imaging. IEEE Transactions on Computational Imaging, 2019, 5, 109-119.	2.6	24
10	A Backprojection Slice Theorem for Tomographic Reconstruction. IEEE Transactions on Image Processing, 2018, 27, 894-906.	6.0	28
11	A fast gradient and function sampling method for finite-max functions. Computational Optimization and Applications, 2018, 71, 673-717.	0.9	6
12	Fast projection/backprojection and incremental methods applied to synchrotron light tomographic reconstruction. Journal of Synchrotron Radiation, 2018, 25, 248-256.	1.0	1
13	Superiorization of incremental optimization algorithms for statistical tomographic image reconstruction. Inverse Problems, 2017, 33, 044010.	1.0	5
14	Zero-modified power series distribution and its Hurdle distribution version. Journal of Statistical Computation and Simulation, 2017, 87, 1842-1862.	0.7	14
15	Accelerating Overrelaxed and Monotone Fast Iterative Shrinkage-Thresholding Algorithms With Line Search for Sparse Reconstructions. IEEE Transactions on Image Processing, 2017, 26, 3569-3578.	6.0	27
16	$\bar{\mu}$ -subgradient algorithms for bilevel convex optimization. Inverse Problems, 2017, 33, 055020.	1.0	9
17	On the Local Convergence Analysis of the Gradient Sampling Method for Finite Max-Functions. Journal of Optimization Theory and Applications, 2017, 175, 137-157.	0.8	8
18	String-averaging incremental subgradients for constrained convex optimization with applications to reconstruction of tomographic images. Inverse Problems, 2016, 32, 115014.	1.0	5

#	ARTICLE	IF	CITATIONS
19	On the differentiability check in gradient sampling methods. Optimization Methods and Software, 2016, 31, 983-1007.	1.6	11
20	Image Restoration Using Gradient Iteration and Constraints for Band Extrapolation. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 71-80.	7.3	6
21	Fast Backprojection Operator for Synchrotron Tomographic Data. Mathematics in Industry, 2016, , 243-252.	0.1	3
22	Accelerating the over-relaxed iterative shrinkage-thresholding algorithms with fast and exact line search for high resolution tomographic image reconstruction. , 2015, , .		4
23	String-averaging expectation-maximization for maximum likelihood estimation in emission tomography. Inverse Problems, 2014, 30, 055003.	1.0	8
24	Generalized Backprojection Operator: Fast Calculation. Journal of Physics: Conference Series, 2014, 490, 012148.	0.3	5
25	Similarity Preserving Snippet-Based Visualization of Web Search Results. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 457-470.	2.9	55
26	Mesh-Free Discrete Laplace-Beltrami Operator. Computer Graphics Forum, 2013, 32, 214-226.	1.8	14
27	Incremental Subgradients for Constrained Convex Optimization: A Unified Framework and New Methods. SIAM Journal on Optimization, 2010, 20, 1547-1572.	1.2	32
28	From convex feasibility to convex constrained optimization using block action projection methods and underrelaxation. International Transactions in Operational Research, 2009, 16, 495-504.	1.8	6
29	Convergence results for scaled gradient algorithms in positron emission tomography. Inverse Problems, 2005, 21, 1905-1914.	1.0	17
30	A primal nonsmooth reformulation for bilevel optimization problems. Mathematical Programming, 0, , 1.	1.6	0