

Chunlin Wu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,114
citations

686830

13
h-index

500791

28
g-index

30
all docs

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docs citations

30
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	An accelerated majorization-minimization algorithm with convergence guarantee for non-Lipschitz wavelet synthesis model $\langle \sup \rangle^*$. Inverse Problems, 2022, 38, 015001.	1.0	2
2	On Variable Splitting and Augmented Lagrangian Method for Total Variation-Related Image Restoration Models. , 2021, , 1-47.		1
3	Effective Two-Stage Image Segmentation: A New Non-Lipschitz Decomposition Approach with Convergent Algorithm. Journal of Mathematical Imaging and Vision, 2021, 63, 356-379.	0.8	3
4	On a general smoothly truncated regularization for variational piecewise constant image restoration: construction and convergent algorithms. Inverse Problems, 2020, 36, 045007.	1.0	11
5	The $\hat{\alpha}_2$ regularized group sparse optimization: Lower bound theory, recovery bound and algorithms. Applied and Computational Harmonic Analysis, 2020, 49, 381-414.	1.1	6
6	A cubic spline penalty for sparse approximation under tight frame balanced model. Advances in Computational Mathematics, 2020, 46, 1.	0.8	0
7	The $TV_{p,q}$ Regularized Mumford-Shah Model for Image Labeling and Segmentation. IEEE Transactions on Image Processing, 2020, 29, 7061-7075.	6.0	14
8	A Globally Convergent Algorithm for a Constrained Non-Lipschitz Image Restoration Model. Journal of Scientific Computing, 2020, 83, 1.	1.1	8
9	A globally convergent algorithm for a class of gradient compounded non-Lipschitz models applied to non-additive noise removal. Inverse Problems, 2020, 36, 125017.	1.0	7
10	An efficient and globally convergent algorithm for $\ell_{p,q}$ model in group sparse optimization. Communications in Mathematical Sciences, 2020, 18, 227-258.	0.5	5
11	An Iterative Support Shrinking Algorithm for Non-Lipschitz Optimization in Image Restoration. Journal of Mathematical Imaging and Vision, 2019, 61, 122-139.	0.8	13
12	On the discontinuity of images recovered by nonconvex nonsmooth regularized isotropic models with box constraints. Advances in Computational Mathematics, 2019, 45, 589-610.	0.8	9
13	A new globally convergent algorithm for non-Lipschitz $\hat{\alpha}_p, \hat{\alpha}_q$ minimization. Advances in Computational Mathematics, 2019, 45, 1369-1399.	0.8	12
14	Non-Lipschitz Models for Image Restoration with Impulse Noise Removal. SIAM Journal on Imaging Sciences, 2019, 12, 420-458.	1.3	18
15	Triangulated Surface Denoising using High Order Regularization with Dynamic Weights. SIAM Journal of Scientific Computing, 2019, 41, B1-B26.	1.3	12
16	On the Edge Recovery Property of Nonconvex Nonsmooth Regularization in Image Restoration. SIAM Journal on Numerical Analysis, 2018, 56, 1168-1182.	1.1	23
17	A General Selective Averaging Method for Piecewise Constant Signal and Image Processing. Journal of Scientific Computing, 2018, 76, 1078-1104.	1.1	1
18	A new two-stage mesh surface segmentation method. Visual Computer, 2018, 34, 1597-1615.	2.5	10

#	ARTICLE	IF	CITATIONS
19	A general truncated regularization framework for contrast-preserving variational signal and image restoration: Motivation and implementation. <i>Science China Mathematics</i> , 2018, 61, 1711-1732.	0.8	17
20	On the local and global minimizers of $\ell_{0/1}$ gradient regularized model with box constraints for image restoration. <i>Inverse Problems</i> , 2018, 34, 095007.	1.0	8
21	A New Variational Method for Bias Correction and Its Applications to Rodent Brain Extraction. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 721-733.	5.4	26
22	On Geodesic Curvature Flow with Level Set Formulation Over Triangulated Surfaces. <i>Journal of Scientific Computing</i> , 2017, 70, 631-661.	1.1	10
23	Variational Mesh Denoising Using Total Variation and Piecewise Constant Function Space. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2015, 21, 873-886.	2.9	83
24	The L_0 Regularized Mumford-Shah Model for Bias Correction and Segmentation of Medical Images. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 3927-3938.	6.0	47
25	Variational mesh decomposition. <i>ACM Transactions on Graphics</i> , 2012, 31, 1-14.	4.9	69
26	Augmented Lagrangian Method for Total Variation Based Image Restoration and Segmentation Over Triangulated Surfaces. <i>Journal of Scientific Computing</i> , 2012, 50, 145-166.	1.1	39
27	Augmented Lagrangian method for total variation restoration with non-quadratic fidelity. <i>Inverse Problems and Imaging</i> , 2011, 5, 237-261.	0.6	123
28	Mesh Snapping: Robust Interactive Mesh Cutting Using Fast Geodesic Curvature Flow. <i>Computer Graphics Forum</i> , 2010, 29, 517-526.	1.8	29
29	Augmented Lagrangian Method, Dual Methods, and Split Bregman Iteration for ROF, Vectorial TV, and High Order Models. <i>SIAM Journal on Imaging Sciences</i> , 2010, 3, 300-339.	1.3	478
30	A Level Set Formulation of Geodesic Curvature Flow on Simplicial Surfaces. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010, 16, 647-662.	2.9	30