Jian Lu

List of Publications by Year
in descending order

57 papers	554 citations	687335 13 h-index	752679 20 g-index
57 all docs	57 docs citations	57 times ranked	363 citing authors

#	Article	IF	Citations
1	A new weighting scheme for arc based circle cone-beam CT reconstruction. Journal of X-Ray Science and Technology, 2022, 30, 145-163.	1.0	0
2	The finite steps of convergence of the fast thresholding algorithms with f-feedbacks in compressed sensing. Numerical Algorithms, 2022, 90, 1197-1223.	1.9	2
3	A new nonlocal low-rank regularization method with applications to magnetic resonance image denoising. Inverse Problems, 2022, 38, 065012.	2.0	5
4	Sample-aware Data Augmentor for Scene Text Recognition. , 2021, , .		3
5	Transferable Adversarial Attacks for Deep Scene Text Detection. , 2021, , .		0
6	Ultrasound Image Restoration Using Weighted Nuclear Norm Minimization. , 2021, , .		1
7	A NONLOCAL LOW-RANK REGULARIZATION METHOD FOR FRACTAL IMAGE CODING. Fractals, 2021, 29, 2150125.	3.7	5
8	HOCA: Higher-Order Channel Attention for Single Image Super-Resolution. , 2021, , .		3
9	Signal separation based on adaptive continuous wavelet-like transform and analysis. Applied and Computational Harmonic Analysis, 2021, 53, 151-179.	2.2	17
10	Nonlocal low-rank regularized two-phase approach for mixed noise removal. Inverse Problems, 2021, 37, 085001.	2.0	11
11	Rician noise removal via weighted nuclear norm penalization. Applied and Computational Harmonic Analysis, 2021, 53, 180-198.	2.2	8
12	Time-scale-chirp_rate operator for recovery of non-stationary signal components with crossover instantaneous frequency curves. Applied and Computational Harmonic Analysis, 2021, 54, 323-344.	2.2	21
13	Analysis of an adaptive short-time Fourier transform-based multicomponent signal separation method derived from linear chirp local approximation. Journal of Computational and Applied Mathematics, 2021, 396, 113607.	2.0	18
14	Orthogonal Subspace Based Fast Iterative Thresholding Algorithms for Joint Sparsity Recovery. IEEE Signal Processing Letters, 2021, 28, 1320-1324.	3.6	6
15	Enhanced Image Restoration Via Supervised Target Feature Transfer. , 2020, , .		0
16	Analysis of adaptive synchrosqueezing transform with a time-varying parameter. Advances in Computational Mathematics, 2020, 46, 1.	1.6	11
17	Multiplicative Noise Removal: Nonlocal Low-Rank Model and Its Proximal Alternating Reweighted Minimization Algorithm. SIAM Journal on Imaging Sciences, 2020, 13, 1595-1629.	2.2	17
18	Fakd: Feature-Affinity Based Knowledge Distillation for Efficient Image Super-Resolution. , 2020, , .		33

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19	A Convex Variational Model for Restoring SAR Images Corrupted by Multiplicative Noise. Mathematical Problems in Engineering, 2020, 2020, 1-19.	1.1	4
20	Observer-based Hâˆž control for discrete-time one-sided Lipschitz Markovian jump delayed systems under partially unknown transition probabilities. Journal of the Franklin Institute, 2020, 357, 8611-8630.	3.4	8
21	Robust Observer Design for Two-Dimensional Discrete Positive Switched Systems With Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3297-3301.	3.0	8
22	An End-to-End Deep Network for Reconstructing CT Images Directly From Sparse Sinograms. IEEE Transactions on Computational Imaging, 2020, 6, 1548-1560.	4.4	16
23	Matrix completion via minimizing an approximate rank. Analysis and Applications, 2019, 17, 689-713.	2.2	3
24	A PRIMAL-DUAL ALGORITHM FOR ROBUST FRACTAL IMAGE CODING. Fractals, 2019, 27, 1950119.	3.7	5
25	Rician Noise Removal via a Learned Dictionary. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	5
26	$ ewcommand{e}{{m e}} ell_{0}$ -minimization methods for image restoration problems based on wavelet frames. Inverse Problems, 2019, 35, 064001.	2.0	12
27	A DICTIONARY LEARNING APPROACH FOR FRACTAL IMAGE CODING. Fractals, 2019, 27, 1950020.	3.7	4
28	Modified Gbest-guided artificial bee colony algorithm with new probability model. Soft Computing, 2018, 22, 2217-2243.	3.6	29
29	Fixed-point algorithms for a TVL1 image restoration model. International Journal of Computer Mathematics, 2018, 95, 1829-1844.	1.8	9
30	A novel differential evolution algorithm with a self-adaptation parameter control method by differential evolution. Soft Computing, 2018, 22, 6171-6190.	3.6	23
31	A framelet algorithm for de-blurring images corrupted by multiplicative noise. Applied Mathematical Modelling, 2018, 62, 51-61.	4.2	11
32	An enhanced artificial bee colony algorithm with dual-population framework. Swarm and Evolutionary Computation, 2018, 43, 184-206.	8.1	40
33	INTERSECTIONS OF TRANSLATION OF A CLASS OF SIERPINSKI CARPETS. Fractals, 2018, 26, 1850034.	3.7	0
34	Image restoration based on the minimized surface regularization. Computers and Mathematics With Applications, 2018, 76, 1893-1905.	2.7	3
35	Differential Evolution Algorithm With Tracking Mechanism and Backtracking Mechanism. IEEE Access, 2018, 6, 44252-44267.	4.2	20
36	A new total variation model for restoring blurred and speckle noisy images. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1750009.	1.3	5

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37	$$ell _p$$ â„“ p Regularized low-rank approximation via iterative reweighted singular value minimization. Computational Optimization and Applications, 2017, 68, 619-642.	1.6	15
38	Multiplicative noise removal with a sparsity-aware optimization model. Inverse Problems and Imaging, 2017, 11, 949-974.	1.1	8
39	A Residual-Based Kernel Regression Method for Image Denoising. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	2
40	ON SMALL BASES FOR WHICH 1 HAS COUNTABLY MANY EXPANSIONS. Mathematika, 2016, 62, 362-377.	0.5	4
41	On the cardinality of Î²-expansions of some numbers. International Journal of Number Theory, 2016, 12, 1497-1507.	0.5	0
42	Multiplicative noise removal in imaging: An exp-model and its fixed-point proximity algorithm. Applied and Computational Harmonic Analysis, 2016, 41, 518-539.	2.2	36
43	A Robust Fractal Color Image Watermarking Algorithm. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	9
44	Orbit trap rendering methods for generating colorful symmetric images in three-dimensional space. Nonlinear Dynamics, 2014, 77, 1643-1651.	5.2	4
45	A Family of Functions for Generating Colorful Patterns with Mixed Symmetries from Dynamical Systems. Lecture Notes in Electrical Engineering, 2014, , 883-890.	0.4	1
46	Huber Fractal Image Coding Based on a Fitting Plane. IEEE Transactions on Image Processing, 2013, 22, 134-145.	9.8	40
47	Intersections of Translation of a Class of Self-Affine Sets. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	1
48	COLORFUL SYMMETRIC IMAGES IN THREE-DIMENSIONAL SPACE FROM DYNAMICAL SYSTEMS. Fractals, 2012, 20, 53-60.	3.7	3
49	UNIQUE EXPANSION OF POINTS OF A CLASS OF SELFâ€SIMILAR SETS WITH OVERLAPS. Mathematika, 2012, 58, 371-388.	0.5	9
50	Planar Frieze and Crystallographic Patterns with a Polar Spin from Dynamics. Advanced Materials Research, 2011, 382, 119-122.	0.3	0
51	COLORFUL PATTERNS WITH DISCRETE PLANAR SYMMETRIES FROM DYNAMICAL SYSTEMS. Fractals, 2010, 18, 35-43.	3.7	7
52	A noise-robust algorithm for classifying cyclic and dihedral symmetric imagesâ˜†. Chaos, Solitons and Fractals, 2009, 42, 676-685.	5.1	0
53	An enhanced fractal image denoising algorithm. Chaos, Solitons and Fractals, 2008, 38, 1054-1064.	5.1	18
54	Enhanced Fractal-Wavelet Image Denoising. , 2008, , .		6

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55	Self-similar structure on the intersection of middle-(1 â^' 2Î²) Cantor sets with Î² â^Š (1/3, 1/2). Nonlinearity, 2008, 21, 2899-2910.	1.4	10
56	Automatic generation of colorful patterns with wallpaper symmetries from dynamics. Visual Computer, 2007, 23, 445-449.	3.5	14
57	Univoque graphs for non-integer base expansions. Science China Mathematics, 0, , 1.	1.7	1