

Jian Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9383521/publications.pdf>

Version: 2024-02-01

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	Huber Fractal Image Coding Based on a Fitting Plane. IEEE Transactions on Image Processing, 2013, 22, 134-145.	9.8	40
2	An enhanced artificial bee colony algorithm with dual-population framework. Swarm and Evolutionary Computation, 2018, 43, 184-206.	8.1	40
3	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
4	Fakd: Feature-Affinity Based Knowledge Distillation for Efficient Image Super-Resolution. , 2020, , .		33
5	Modified Gbest-guided artificial bee colony algorithm with new probability model. Soft Computing, 2018, 22, 2217-2243.	3.6	29
6	A novel differential evolution algorithm with a self-adaptation parameter control method by differential evolution. Soft Computing, 2018, 22, 6171-6190.	3.6	23
7	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
8	Differential Evolution Algorithm With Tracking Mechanism and Backtracking Mechanism. IEEE Access, 2018, 6, 44252-44267.	4.2	20
9	An enhanced fractal image denoising algorithm. Chaos, Solitons and Fractals, 2008, 38, 1054-1064.	5.1	18
10	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
11	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
12	Signal separation based on adaptive continuous wavelet-like transform and analysis. Applied and Computational Harmonic Analysis, 2021, 53, 151-179.	2.2	17
13	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
14	ℓ_p Regularized low-rank approximation via iterative reweighted singular value minimization. Computational Optimization and Applications, 2017, 68, 619-642.	1.6	15
15	Automatic generation of colorful patterns with wallpaper symmetries from dynamics. Visual Computer, 2007, 23, 445-449.	3.5	14
16	$\ell_{m,0}$ -minimization methods for image restoration problems based on wavelet frames. Inverse Problems, 2019, 35, 064001.	2.0	12
17	A framelet algorithm for de-blurring images corrupted by multiplicative noise. Applied Mathematical Modelling, 2018, 62, 51-61.	4.2	11
18	Analysis of adaptive synchrosqueezing transform with a time-varying parameter. Advances in Computational Mathematics, 2020, 46, 1.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Nonlocal low-rank regularized two-phase approach for mixed noise removal. <i>Inverse Problems</i> , 2021, 37, 085001.	2.0	11
20	Self-similar structure on the intersection of middle- $(1 - 2\hat{\tau}^2)$ Cantor sets with $\hat{\tau} \in (1/3, 1/2)$. <i>Nonlinearity</i> , 2008, 21, 2899-2910.	1.4	10
21	UNIQUE EXPANSION OF POINTS OF A CLASS OF SELF-SIMILAR SETS WITH OVERLAPS. <i>Mathematika</i> , 2012, 58, 371-388.	0.5	9
22	A Robust Fractal Color Image Watermarking Algorithm. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	1.1	9
23	Fixed-point algorithms for a TVL1 image restoration model. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1829-1844.	1.8	9
24	Observer-based H_∞ control for discrete-time one-sided Lipschitz Markovian jump delayed systems under partially unknown transition probabilities. <i>Journal of the Franklin Institute</i> , 2020, 357, 8611-8630.	3.4	8
25	Robust Observer Design for Two-Dimensional Discrete Positive Switched Systems With Delays. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3297-3301.	3.0	8
26	Rician noise removal via weighted nuclear norm penalization. <i>Applied and Computational Harmonic Analysis</i> , 2021, 53, 180-198.	2.2	8
27	Multiplicative noise removal with a sparsity-aware optimization model. <i>Inverse Problems and Imaging</i> , 2017, 11, 949-974.	1.1	8
28	COLORFUL PATTERNS WITH DISCRETE PLANAR SYMMETRIES FROM DYNAMICAL SYSTEMS. <i>Fractals</i> , 2010, 18, 35-43.	3.7	7
29	Enhanced Fractal-Wavelet Image Denoising. , 2008, , .		6
30	Orthogonal Subspace Based Fast Iterative Thresholding Algorithms for Joint Sparsity Recovery. <i>IEEE Signal Processing Letters</i> , 2021, 28, 1320-1324.	3.6	6
31	A new total variation model for restoring blurred and speckle noisy images. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2017, 15, 1750009.	1.3	5
32	A PRIMAL-DUAL ALGORITHM FOR ROBUST FRACTAL IMAGE CODING. <i>Fractals</i> , 2019, 27, 1950119.	3.7	5
33	Rician Noise Removal via a Learned Dictionary. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	1.1	5
34	A NONLOCAL LOW-RANK REGULARIZATION METHOD FOR FRACTAL IMAGE CODING. <i>Fractals</i> , 2021, 29, 2150125.	3.7	5
35	A new nonlocal low-rank regularization method with applications to magnetic resonance image denoising. <i>Inverse Problems</i> , 2022, 38, 065012.	2.0	5
36	Orbit trap rendering methods for generating colorful symmetric images in three-dimensional space. <i>Nonlinear Dynamics</i> , 2014, 77, 1643-1651.	5.2	4

#	ARTICLE	IF	CITATIONS
37	ON SMALL BASES FOR WHICH 1 HAS COUNTABLY MANY EXPANSIONS. <i>Mathematika</i> , 2016, 62, 362-377.	0.5	4
38	A DICTIONARY LEARNING APPROACH FOR FRACTAL IMAGE CODING. <i>Fractals</i> , 2019, 27, 1950020.	3.7	4
39	A Convex Variational Model for Restoring SAR Images Corrupted by Multiplicative Noise. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-19.	1.1	4
40	COLORFUL SYMMETRIC IMAGES IN THREE-DIMENSIONAL SPACE FROM DYNAMICAL SYSTEMS. <i>Fractals</i> , 2012, 20, 53-60.	3.7	3
41	Image restoration based on the minimized surface regularization. <i>Computers and Mathematics With Applications</i> , 2018, 76, 1893-1905.	2.7	3
42	Matrix completion via minimizing an approximate rank. <i>Analysis and Applications</i> , 2019, 17, 689-713.	2.2	3
43	Sample-aware Data Augmentor for Scene Text Recognition. , 2021, , .		3
44	HOCA: Higher-Order Channel Attention for Single Image Super-Resolution. , 2021, , .		3
45	A Residual-Based Kernel Regression Method for Image Denoising. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-13.	1.1	2
46	The finite steps of convergence of the fast thresholding algorithms with f-feedbacks in compressed sensing. <i>Numerical Algorithms</i> , 2022, 90, 1197-1223.	1.9	2
47	Intersections of Translation of a Class of Self-Affine Sets. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-7.	0.9	1
48	Univoque graphs for non-integer base expansions. <i>Science China Mathematics</i> , 0, , 1.	1.7	1
49	Ultrasound Image Restoration Using Weighted Nuclear Norm Minimization. , 2021, , .		1
50	A Family of Functions for Generating Colorful Patterns with Mixed Symmetries from Dynamical Systems. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 883-890.	0.4	1
51	A noise-robust algorithm for classifying cyclic and dihedral symmetric images. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 676-685.	5.1	0
52	Planar Frieze and Crystallographic Patterns with a Polar Spin from Dynamics. <i>Advanced Materials Research</i> , 2011, 382, 119-122.	0.3	0
53	On the cardinality of $\hat{\mathbb{I}}^2$ -expansions of some numbers. <i>International Journal of Number Theory</i> , 2016, 12, 1497-1507.	0.5	0
54	INTERSECTIONS OF TRANSLATION OF A CLASS OF SIERPINSKI CARPETS. <i>Fractals</i> , 2018, 26, 1850034.	3.7	0

#	ARTICLE	IF	CITATIONS
55	Enhanced Image Restoration Via Supervised Target Feature Transfer. , 2020, , .		0
56	Transferable Adversarial Attacks for Deep Scene Text Detection. , 2021, , .		0
57	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