Lizhen Deng

List of Publications by Year
in descending order

43 papers	705 citations	623734 14 h-index	552781 26 g-index
43 all docs	43 docs citations	43 times ranked	403 citing authors

#	Article	IF	Citations
1	A Dual Stream Spectrum Deconvolution Neural Network. IEEE Transactions on Industrial Informatics, 2022, 18, 3086-3094.	11.3	6
2	Entropy-Driven Morphological Top-Hat Transformation for Infrared Small Target Detection. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 962-975.	4.7	7
3	Bilateral Weighted Regression Ranking Model With Spatial-Temporal Correlation Filter for Visual Tracking. IEEE Transactions on Multimedia, 2022, 24, 2098-2111.	7.2	15
4	Elastic Net Constraint-Based Tensor Model for High-Order Graph Matching. IEEE Transactions on Cybernetics, 2021, 51, 4062-4074.	9.5	11
5	Infrared small target detection via adaptive M-estimator ring top-hat transformation. Pattern Recognition, 2021, 112, 107729.	8.1	53
6	Video smoke removal based on lowâ€rank tensor completion via spatialâ€temporal continuity constraint. Concurrency Computation Practice and Experience, 2021, 33, e6169.	2.2	3
7	RoDeRain: Rotational Video Derain via Nonconvex and Nonsmooth Optimization. Mobile Networks and Applications, 2021, 26, 57-66.	3.3	2
8	Tensor Field Graph-Cut for Image Segmentation: A Non-Convex Perspective. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1103-1113.	8.3	15
9	A parallel multiâ€block alternating direction method of multipliers for tensor completion. IET Image Processing, 2021, 15, 3053.	2.5	0
10	Vector coâ€occurrence morphological edge detection for colour image. IET Image Processing, 2021, 15, 3063-3070.	2.5	6
11	Automatic small target detection in complex background: a state of-the-art survey. , 2021, , .		2
12	Infrared Small Target Detection via Low-Rank Tensor Completion With Top-Hat Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1004-1016.	6.3	81
13	DSPNet: A Lightweight Dilated Convolution Neural Networks for Spectral Deconvolution With Self-Paced Learning. IEEE Transactions on Industrial Informatics, 2020, 16, 7392-7401.	11.3	29
14	Multimodal Fusion Method Based on Self-Attention Mechanism. Wireless Communications and Mobile Computing, 2020, 2020, 1-8.	1.2	6
15	TNLRS: Target-Aware Non-Local Low-Rank Modeling With Saliency Filtering Regularization for Infrared Small Target Detection. IEEE Transactions on Image Processing, 2020, 29, 9546-9558.	9.8	60
16	Balanced Ring Top-Hat Transformation for Infrared Small-Target Detection With Guided Filter Kernel. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3892-3903.	4.7	27
17	Vessel detection based on dual-operator log-pol top-hat filter. , 2020, , .		0
18	Small infrared target detection via iteratively reweighted nuclear norm. , 2020, , .		0

#	Article	IF	Citations
19	TV2++: a novel spatial-temporal total variation for super resolution with exponential-type norm. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	1
20	Dilated-aware discriminative correlation filter for visual tracking. World Wide Web, 2019, 22, 791-805.	4.0	10
21	Dynamic Gesture Recognition Method Based on Convolutional Neural Network. , 2019, , .		0
22	Image Threshold Segmentation Based on GLLE Histogram. , 2019, , .		7
23	Hypergraph Matching With an Entropy Barrier Function. IEEE Access, 2019, 7, 16638-16647.	4.2	23
24	Spectral semi-blind deconvolution methods based on modified Ï† regularizations. Optics and Laser Technology, 2019, 110, 24-29.	4.6	18
25	Deconvolution methods based on convex regularization for spectral resolution enhancement. Computers and Electrical Engineering, 2018, 70, 959-967.	4.8	14
26	Adaptive top-hat filter based on quantum genetic algorithm for infrared small target detection. Multimedia Tools and Applications, 2018, 77, 10539-10551.	3.9	64
27	Hyperspectral Image Dead Line Removal Based on Tensor Completion. , 2018, , .		0
28	A Low-Rank Tensor Model for Hyperspectral Image Sparse Noise Removal. IEEE Access, 2018, 6, 62120-62127.	4.2	3
29	Infrared moving point target detection using a spatial-temporal filter. Infrared Physics and Technology, 2018, 95, 122-127.	2.9	7
30	Infrared moving point target detection based on an anisotropic spatial-temporal fourth-order diffusion filter. Computers and Electrical Engineering, 2018, 68, 550-556.	4.8	22
31	An IBeacon-Based Location System for Smart Home Control. Sensors, 2018, 18, 1897.	3.8	20
32	Iteratively Reweighted Blind Deconvolution With Adaptive Regularization Parameter Estimation. IEEE Access, 2017, 5, 11959-11973.	4.2	7
33	Image denoising based on spatially adaptive high order total variation model. , 2016, , .		4
34	A landmark-based navigation method for autonomous aircraft. Optik, 2016, 127, 3572-3575.	2.9	6
35	Infrared moving point target detection based on spatialâ€"temporal local contrast filter. Infrared Physics and Technology, 2016, 76, 168-173.	2.9	88
36	Spectral restoration using semi-blind deconvolution method with detail-preserving regularization. Infrared Physics and Technology, 2015, 69, 206-210.	2.9	11

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37	Moving point target detection based on clutter suppression using spatiotemporal local increment coding. Electronics Letters, 2015, 51, 625-626.	1.0	21
38	Deconvolution methods based on Ï†HL regularization for spectral recovery. Applied Optics, 2015, 54, 4337.	1.8	15
39	Spectral semi-blind deconvolution with least trimmed squares regularization. Infrared Physics and Technology, 2014, 67, 184-189.	2.9	9
40	Spectral semi-blind deconvolution with hybrid regularization. Infrared Physics and Technology, 2014, 64, 91-96.	2.9	11
41	Image matching using Gradient Orientation Selective Cross Correlation. Optik, 2013, 124, 4460-4464.	2.9	10
42	Indirect target detection method in FLIR image sequences. Infrared Physics and Technology, 2013, 60, 15-23.	2.9	8
43	THz spectrum deconvolution with Total variation regularization. , 2013, , .		3