Guohua Gu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/758763/publications.pdf

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30	680	759233 12	552781 26
papers	citations	h-index	g-index

30	30	30	571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fringe pattern analysis using deep learning. Advanced Photonics, 2019, 1, 1.	11.8	248
2	A Review of Optical Neural Networks. IEEE Access, 2020, 8, 70773-70783.	4.2	95
3	Infrared Image Enhancement Using Adaptive Histogram Partition and Brightness Correction. Remote Sensing, 2018, 10, 682.	4.0	49
4	Infrared Small Moving Target Detection via Saliency Histogram and Geometrical Invariability. Applied Sciences (Switzerland), 2017, 7, 569.	2.5	34
5	Unmanned Aerial Vehicle Video-Based Target Tracking Algorithm Using Sparse Representation. IEEE Internet of Things Journal, 2019, 6, 9689-9706.	8.7	30
6	Total Variation Regularization Term-Based Low-Rank and Sparse Matrix Representation Model for Infrared Moving Target Tracking. Remote Sensing, 2018, 10, 510.	4.0	28
7	Single Image Super-Resolution Using Compressive Sensing With a Redundant Dictionary. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	23
8	Adaptive Contrast Enhancement for Infrared Images Based on the Neighborhood Conditional Histogram. Remote Sensing, 2019, 11, 1381.	4.0	17
9	A Level Set Method for Infrared Image Segmentation Using Global and Local Information. Remote Sensing, 2018, 10, 1039.	4.0	16
10	Optimized Contrast Enhancement for Infrared Images Based on Global and Local Histogram Specification. Remote Sensing, 2019, 11, 849.	4.0	14
11	Infrared Thermal Imaging Super-Resolution via Multiscale Spatio-Temporal Feature Fusion Network. IEEE Sensors Journal, 2021, 21, 19176-19185.	4.7	13
12	Adaptive contrast enhancement based on histogram modification framework. Journal of Modern Optics, 2019, 66, 1590-1601.	1.3	12
13	Infrared Small Target Tracking via Gaussian Curvature-Based Compressive Convolution Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	11
14	Total Variation-Based Interframe Infrared Patch-Image Model for Small Target Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	11
15	Infrared small target enhancement: grey level mapping based on improved sigmoid transformation and saliency histogram. Journal of Modern Optics, 2018, 65, 1161-1179.	1.3	10
16	Infrared small target detection based on saliency and gradients difference measure. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
17	Hierarchical Convolution Fusion-Based Adaptive Siamese Network for Infrared Target Tracking. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	8
18	Inclinometer Assembly Error Calibration and Horizontal Image Correction in Photoelectric Measurement Systems. Sensors, 2018, 18, 248.	3.8	7

#	Article	IF	Citations
19	Multi-layer optical Fourier neural network based on the convolution theorem. AIP Advances, 2021, 11, .	1.3	7
20	Particle filterâ€based vehicle tracking via HOG features after image stabilisation in intelligent drive system. IET Intelligent Transport Systems, 2019, 13, 942-949.	3.0	6
21	Object Tracking Based on Vector Convolutional Network and Discriminant Correlation Filters. Sensors, 2019, 19, 1818.	3.8	6
22	Infrared Ocean Image Simulation Algorithm Based on Piersonâ€“Moskowitz Spectrum and Bidirectional Reflectance Distribution Function. Photonics, 2022, 9, 166.	2.0	5
23	Motion object tracking based on the low-rank matrix representation. Optical Review, 2015, 22, 786-801.	2.0	4
24	Infrared target tracking based on proximal robust principal component analysis method. Applied Intelligence, 0, , 1.	5.3	4
25	Object matching between visible and infrared images using a Siamese network. Applied Intelligence, 2022, 52, 7734-7746.	5.3	4
26	Particle filter-based modulation domain infrared targets tracking. Optical and Quantum Electronics, 2019, 51, 1.	3.3	3
27	The Dispersion Reduction Frequency Upconversion System at 1550 nm With Tightly Focused Beam. IEEE Access, 2022, 10, 18507-18515.	4.2	3
28	High speed and reconfigurable optronic neural network with digital nonlinear activation. Optik, 2021, 247, 168043.	2.9	2
29	Enhanced optical absorption in VO<inf>2</inf> film using photonic crystal. , 2015, , .		0
30	Pseudo-Random Spread Spectrum Technique Based Single-Pixel Imaging Method. IEEE Photonics Journal, 2022, 14, 1-9.	2.0	0