

# Guohua Gu

## List of Publications by Year in descending order

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30  
papers

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citations

759233

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h-index

552781

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g-index

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all docs

30  
docs citations

30  
times ranked

571  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Dispersion Reduction Frequency Upconversion System at 1550 nm With Tightly Focused Beam. IEEE Access, 2022, 10, 18507-18515.	4.2	3
2	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
3	Object matching between visible and infrared images using a Siamese network. Applied Intelligence, 2022, 52, 7734-7746.	5.3	4
4	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
5	Infrared Ocean Image Simulation Algorithm Based on Pierson's Moskowitz Spectrum and Bidirectional Reflectance Distribution Function. Photonics, 2022, 9, 166.	2.0	5
6	Pseudo-Random Spread Spectrum Technique Based Single-Pixel Imaging Method. IEEE Photonics Journal, 2022, 14, 1-9.	2.0	0
7	Multi-layer optical Fourier neural network based on the convolution theorem. AIP Advances, 2021, 11, .	1.3	7
8	Infrared Thermal Imaging Super-Resolution via Multiscale Spatio-Temporal Feature Fusion Network. IEEE Sensors Journal, 2021, 21, 19176-19185.	4.7	13
9	High speed and reconfigurable optronic neural network with digital nonlinear activation. Optik, 2021, 247, 168043.	2.9	2
10	Hierarchical Convolution Fusion-Based Adaptive Siamese Network for Infrared Target Tracking. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	8
11	Infrared small target detection based on saliency and gradients difference measure. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
12	A Review of Optical Neural Networks. IEEE Access, 2020, 8, 70773-70783.	4.2	95
13	Adaptive contrast enhancement based on histogram modification framework. Journal of Modern Optics, 2019, 66, 1590-1601.	1.3	12
14	Unmanned Aerial Vehicle Video-Based Target Tracking Algorithm Using Sparse Representation. IEEE Internet of Things Journal, 2019, 6, 9689-9706.	8.7	30
15	Optimized Contrast Enhancement for Infrared Images Based on Global and Local Histogram Specification. Remote Sensing, 2019, 11, 849.	4.0	14
16	Particle filter-based vehicle tracking via HOG features after image stabilisation in intelligent drive system. IET Intelligent Transport Systems, 2019, 13, 942-949.	3.0	6
17	Adaptive Contrast Enhancement for Infrared Images Based on the Neighborhood Conditional Histogram. Remote Sensing, 2019, 11, 1381.	4.0	17
18	Object Tracking Based on Vector Convolutional Network and Discriminant Correlation Filters. Sensors, 2019, 19, 1818.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Particle filter-based modulation domain infrared targets tracking. Optical and Quantum Electronics, 2019, 51, 1.	3.3	3
20	Fringe pattern analysis using deep learning. Advanced Photonics, 2019, 1, 1.	11.8	248
21	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
22	A Level Set Method for Infrared Image Segmentation Using Global and Local Information. Remote Sensing, 2018, 10, 1039.	4.0	16
23	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
24	Infrared Image Enhancement Using Adaptive Histogram Partition and Brightness Correction. Remote Sensing, 2018, 10, 682.	4.0	49
25	Inclinometer Assembly Error Calibration and Horizontal Image Correction in Photoelectric Measurement Systems. Sensors, 2018, 18, 248.	3.8	7
26	Infrared Small Moving Target Detection via Saliency Histogram and Geometrical Invariability. Applied Sciences (Switzerland), 2017, 7, 569.	2.5	34
27	Enhanced optical absorption in VO <sub>2</sub> film using photonic crystal. , 2015, , .		0
28	Single Image Super-Resolution Using Compressive Sensing With a Redundant Dictionary. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	23
29	Motion object tracking based on the low-rank matrix representation. Optical Review, 2015, 22, 786-801.	2.0	4
30	Infrared target tracking based on proximal robust principal component analysis method. Applied Intelligence, 0, , 1.	5.3	4