Zhiqiang Zhou

List of Publications by Year
in descending order

33 papers	2,188 citations	394286 19 h-index	501076 28 g-index
33 all docs	33 docs citations	33 times ranked	1464 citing authors

#	Article	IF	Citations
1	Infrared and visible image fusion based on visual saliency map and weighted least square optimization. Infrared Physics and Technology, 2017, 82, 8-17.	1.3	457
2	Multi-scale weighted gradient-based fusion for multi-focus images. Information Fusion, 2014, 20, 60-72.	11.7	316
3	Perceptual fusion of infrared and visible images through a hybrid multi-scale decomposition with Gaussian and bilateral filters. Information Fusion, 2016, 30, 15-26.	11.7	305
4	Fusion of infrared and visible images for night-vision context enhancement. Applied Optics, 2016, 55, 6480.	2.1	123
5	A Self-Calibration Method for Nonorthogonal Angles Between Gimbals of Rotational Inertial Navigation System. IEEE Transactions on Industrial Electronics, 2015, 62, 2353-2362.	5.2	116
6	CFC-Net: A Critical Feature Capturing Network for Arbitrary-Oriented Object Detection in Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	95
7	A multi-position self-calibration method for dual-axis rotational inertial navigation system. Sensors and Actuators A: Physical, 2014, 219, 24-31.	2.0	70
8	Multi-focus image fusion using boosted random walks-based algorithm with two-scale focus maps. Neurocomputing, 2019, 335, 9-20.	3.5	68
9	A Particle Filter-Based Matching Algorithm With Gravity Sample Vector for Underwater Gravity Aided Navigation. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1399-1408.	3.7	65
10	Estimation of Information Sharing Error by Dynamic Deformation Between Inertial Navigation Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 2015-2023.	5.2	62
11	A Novel CNN-Based Method for Accurate Ship Detection in HR Optical Remote Sensing Images via Rotated Bounding Box. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 686-699.	2.7	51
12	A Novel Inshore Ship Detection via Ship Head Classification and Body Boundary Determination. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1920-1924.	1.4	50
13	Optimization for Arbitrary-Oriented Object Detection via Representation Invariance Loss. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	50
14	Sparse Label Assignment for Oriented Object Detection in Aerial Images. Remote Sensing, 2021, 13, 2664.	1.8	49
15	Inshore Ship Detection Based on Convolutional Neural Network in Optical Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4005-4015.	2.3	44
16	Analysis and Calibration of the Nonorthogonal Angle in Dual-Axis Rotational INS. IEEE Transactions on Industrial Electronics, 2017, 64, 4762-4771.	5.2	41
17	Wildfire smoke detection based on local extremal region segmentation and surveillance. Fire Safety Journal, 2016, 85, 50-58.	1.4	38
18	Scale-Aware Edge-Preserving Image Filtering via Iterative Global Optimization. IEEE Transactions on Multimedia, 2018, 20, 1392-1405.	5.2	29

#	Article	IF	Citations
19	Ship Detection in Optical Satellite Images via Directional Bounding Boxes Based on Ship Center and Orientation Prediction. Remote Sensing, 2019, 11, 2173.	1.8	22
20	Multi-focus image fusion based on multi-scale focus measures and generalized random walk. , 2017, , .		19
21	Ship Detection under Complex Backgrounds Based on Accurate Rotated Anchor Boxes from Paired Semantic Segmentation. Remote Sensing, 2019, 11, 2506.	1.8	19
22	An Optimized Approach for Pansharpening Very High Resolution Multispectral Images. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 735-739.	1.4	16
23	An Improved MCMC-Based Particle Filter for GPS-Aided SINS In-Motion Initial Alignment. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7895-7905.	2.4	16
24	Domain Adaptive Ship Detection in Optical Remote Sensing Images. Remote Sensing, 2021, 13, 3168.	1.8	13
25	A High-Accuracy Method for Calibration of Nonorthogonal Angles in Dual-Axis Rotational Inertial Navigation System. IEEE Sensors Journal, 2021, 21, 16519-16528.	2.4	13
26	Error modulation scheme analysis of dual-axis rotating strap-down inertial navigation system based on FOG. , 2014, , .		10
27	A self-calibration method of inner lever arms for dual-axis rotation inertial navigation systems. Measurement Science and Technology, 2019, 30, 125110.	1.4	9
28	A rapid and high-accuracy rotation alignment method based on bidirectional process for dual-axis rotational inertial navigation system. Measurement Science and Technology, 2020, 31, 125106.	1.4	9
29	Infrared and Visible Image Object Detection via Focused Feature Enhancement and Cascaded Semantic Extension. Remote Sensing, 2021, 13, 2538.	1.8	8
30	Wide-Context Attention Network for Remote Sensing Image Retrieval. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 2082-2086.	1.4	3
31	Weighted gradient-based fusion for multi-spectral image with steering kernel and structure tensor. , 2014, , .		1
32	Infrared and Visible Image Fusion with Context Enhancement Based on Human Visual System. , 2019, , .		1
33	Boosting Small Ship Detection in Optical Remote Sensing Images via Image Super-Resolution. , 2021, , .		0