

Mi Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8521590/publications.pdf>

Version: 2024-02-01

65
papers

1,186
citations

394421

19
h-index

434195

31
g-index

65
all docs

65
docs citations

65
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Orbit Geometric Calibration Model and Its Applications for High-Resolution Optical Satellite Imagery. <i>Remote Sensing</i> , 2014, 6, 4391-4408.	4.0	87
2	Object Detection in High Resolution Remote Sensing Imagery Based on Convolutional Neural Networks With Suitable Object Scale Features. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 2104-2114.	6.3	73
3	Automatic Generation of Seamline Network Using Area Voronoi Diagrams With Overlap. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 1737-1744.	6.3	64
4	On-orbit geometric calibration and geometric quality assessment for the high-resolution geostationary optical satellite GaoFen4. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 125, 63-77.	11.1	63
5	Optimal Segmentation of High-Resolution Remote Sensing Image by Combining Superpixels With the Minimum Spanning Tree. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 228-238.	6.3	59
6	Correction of ZY-3 image distortion caused by satellite jitter via virtual steady reimaging using attitude data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 119, 108-123.	11.1	55
7	China's high-resolution optical remote sensing satellites and their mapping applications. <i>Geo-Spatial Information Science</i> , 2021, 24, 85-94.	5.3	49
8	Large-scale block adjustment without use of ground control points based on the compensation of geometric calibration for ZY-3 images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 134, 1-14.	11.1	41
9	Earth observation brain (EOB): an intelligent earth observation system. <i>Geo-Spatial Information Science</i> , 2017, 20, 134-140.	5.3	38
10	Imbalanced Learning-Based Automatic SAR Images Change Detection by Morphologically Supervised PCA-Net. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 554-558.	3.1	35
11	Image jitter detection and compensation using a high-frequency angular displacement method for Yaogan-26 remote sensing satellite. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 130, 32-43.	11.1	33
12	A New On-Orbit Geometric Self-Calibration Approach for the High-Resolution Geostationary Optical Satellite GaoFen4. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1670-1683.	4.9	31
13	Seamline Determination Based on Segmentation for Urban Image Mosaicking. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1335-1339.	3.1	29
14	Inner FoV Stitching of Spaceborne TDI CCD Images Based on Sensor Geometry and Projection Plane in Object Space. <i>Remote Sensing</i> , 2014, 6, 6386-6406.	4.0	26
15	Development, application, and prospects for Chinese land observation satellites. <i>Geo-Spatial Information Science</i> , 2014, 17, 102-109.	5.3	26
16	Satellite Jitter Estimation and Validation Using Parallax Images. <i>Sensors</i> , 2017, 17, 83.	3.8	24
17	Spatio-temporal variations and trends of MODIS C6.1 Dark Target and Deep Blue merged aerosol optical depth over China during 2000-2017. <i>Atmospheric Environment</i> , 2019, 214, 116846.	4.1	23
18	Parameters determination and sensor correction method based on virtual CMOS with distortion for the GaoFen6 WFV camera. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 156, 51-62.	11.1	22

#	ARTICLE	IF	CITATIONS
19	A High-accuracy Extraction Algorithm of Planet Centroid Image in Deep-space Autonomous Optical Navigation. <i>Journal of Navigation</i> , 2016, 69, 828-844.	1.7	21
20	Image Mosaicking Approach for a Double-Camera System in the GaoFen2 Optical Remote Sensing Satellite Based on the Big Virtual Camera. <i>Sensors</i> , 2017, 17, 1441.	3.8	21
21	CPU/GPU near real-time preprocessing for ZY-3 satellite images: Relative radiometric correction, MTF compensation, and geocorrection. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 87, 229-240.	11.1	19
22	Dual-Task Semantic Change Detection for Remote Sensing Images Using the Generative Change Field Module. <i>Remote Sensing</i> , 2021, 13, 3336.	4.0	19
23	Satellite jitter detection and compensation using multispectral imagery. <i>Remote Sensing Letters</i> , 2016, 7, 513-522.	1.4	18
24	Unidirectional total variation destriping using difference curvature in MODIS emissive bands. <i>Infrared Physics and Technology</i> , 2016, 75, 1-11.	2.9	16
25	An Improved Jitter Detection Method Based on Parallax Observation of Multispectral Sensors for Gaofen-1 02/03/04 Satellites. <i>Remote Sensing</i> , 2019, 11, 16.	4.0	16
26	Building detection in high resolution satellite urban image using segmentation, corner detection combined with adaptive windowed Hough Transform. , 2013, , .		14
27	A new image mosaicking approach for the multiple camera system of the optical remote sensing satellite GaoFen1. <i>Remote Sensing Letters</i> , 2017, 8, 1042-1051.	1.4	14
28	A Relative Radiometric Calibration Method Based on the Histogram of Side-Slither Data for High-Resolution Optical Satellite Imagery. <i>Remote Sensing</i> , 2018, 10, 381.	4.0	14
29	How Can Despeckling and Structural Features Benefit to Change Detection on Bitemporal SAR Images?. <i>Remote Sensing</i> , 2019, 11, 421.	4.0	14
30	SAR Image Change Detection via Spatial Metric Learning With an Improved Mahalanobis Distance. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 77-81.	3.1	14
31	Capturing Small, Fast-Moving Objects: Frame Interpolation via Recurrent Motion Enhancement. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 3390-3406.	8.3	14
32	Semantic Segmentation for Remote Sensing Images Based on Adaptive Feature Selection Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	13
33	Geometric Accuracy Analysis for GaoFen3 Stereo Pair Orientation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 92-96.	3.1	12
34	Embedded GPU implementation of sensor correction for on-board real-time stream computing of high-resolution optical satellite imagery. <i>Journal of Real-Time Image Processing</i> , 2018, 15, 565-581.	3.5	11
35	A method of removing the uneven illumination phenomenon for optical remote sensing image. , 0, , .		10
36	Epipolar arrangement of satellite imagery by projection trajectory simplification. <i>Photogrammetric Record</i> , 2010, 25, 422-436.	0.4	10

#	ARTICLE	IF	CITATIONS
37	Relative Geometric Refinement of Patch Images Without Use of Ground Control Points for the Geostationary Optical Satellite GaoFen4. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 474-484.	6.3	10
38	Atmospheric Refraction Calibration of Geometric Positioning for Optical Remote Sensing Satellite. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 2130-2134.	3.1	10
39	Multi-Oriented Object Detection in High-Resolution Remote Sensing Imagery Based on Convolutional Neural Networks with Adaptive Object Orientation Features. Remote Sensing, 2022, 14, 950.	4.0	10
40	Lightweight convolutional neural network for bitemporal SAR image change detection. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	9
41	Stream Model-Based Orthorectification in a GPU Cluster Environment. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2115-2119.	3.1	8
42	Large-Scale Planar Block Adjustment of GaoFen1 WFV Images Covering Most of Mainland China. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1368-1379.	6.3	8
43	A seam-line optimized method based on difference image and gradient image. , 2011, , .		7
44	On-Ground Processing of Yaogan-24 Remote Sensing Satellite Attitude Data and Verification Using Geometric Field Calibration. Sensors, 2016, 16, 1203.	3.8	7
45	Side-Slither Data-Based Vignetting Correction of High-Resolution Spaceborne Camera with Optical Focal Plane Assembly. Sensors, 2018, 18, 3402.	3.8	7
46	Near Real-Time Automatic Sub-Pixel Registration of Panchromatic and Multispectral Images for Pan-Sharpener. Remote Sensing, 2021, 13, 3674.	4.0	7
47	Parallel Band-to-Band Registration for HJ-1A1B CCD Images Using OpenMP. , 2011, , .		6
48	Block-and-octave constraint SIFT with multi-thread processing for VHR satellite image matching. Remote Sensing Letters, 2017, 8, 1180-1189.	1.4	6
49	Selection of the Optimal Spectral Resolution for the Cadmium-Lead Cross Contamination Diagnosing Based on the Hyperspectral Reflectance of Rice Canopy. Sensors, 2019, 19, 3889.	3.8	5
50	Jitter compensation of ZiYuan-3 satellite imagery based on object point coincidence. International Journal of Remote Sensing, 2019, 40, 6116-6133.	2.9	5
51	Smoothing Filter-Based Panchromatic Spectral Decomposition for Multispectral and Hyperspectral Image Pansharpening. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3612-3625.	4.9	5
52	Vehicle Counting in Very Low-Resolution Aerial Images via Cross-Resolution Spatial Consistency and Intraresolution Time Continuity. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	5
53	MINet: Multilevel Inheritance Network-Based Aerial Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
54	Jitter Detection and Image Restoration Based on Continue Dynamic Shooting Model for High-Resolution TDI CCD Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4915-4933.	6.3	4

#	ARTICLE	IF	CITATIONS
55	Robust Correction of Relative Geometric Errors Among GaoFen-7 Regional Stereo Images Based on Posteriori Compensation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3224-3234.	4.9	4
56	Improved seeded region growing for detection of water bodies in aerial images. Geo-Spatial Information Science, 2016, 19, 1-8.	5.3	3
57	Image Fusion for High-Resolution Optical Satellites Based on Panchromatic Spectral Decomposition. Sensors, 2019, 19, 2619.	3.8	2
58	Repair approach for DMC images based on hierarchical location using edge curve. Science in China Series F: Information Sciences, 2009, 52, 23-31.	1.1	1
59	A Weighted Image Fusion Approach Based on Multiple Wavelet Transformations. , 2011, , .		1
60	Superresolution of Single Gaofen-4 Visible-Light and Near-Infrared (VNIR) Image Based on Texture Image Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2654-2662.	4.9	1
61	Removal of Large-Scale Stripes Via Unidirectional Multiscale Decomposition. Remote Sensing, 2019, 11, 2472.	4.0	1
62	Jitter Detection Method Based on Sequence CMOS Images Captured by Rolling Shutter Mode for High-Resolution Remote Sensing Satellite. Remote Sensing, 2022, 14, 342.	4.0	1
63	Cotton Cultivated Area Extraction Based on Multi-Feature Combination and CSSDI under Spatial Constraint. Remote Sensing, 2022, 14, 1392.	4.0	1
64	An automatic accuracy evaluation approach of band registration for multi-spectral imagery. , 2013, , .		0
65	Dual-Pathway Change Detection Network Based on the Adaptive Fusion Module. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0