Guangjun Zhang

List of Publications by Year
in descending order

48 papers	622 citations	567281 15 h-index	642732 23 g-index
48 all docs	48 docs citations	48 times ranked	598 citing authors

#	Article	IF	Citations
1	Siamese block attention network for online update object tracking. Applied Intelligence, 2023, 53, 3459-3471.	5.3	7
2	Joint Estimation of Stellar Atmospheric Refraction and Star Tracker Attitude. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	4
3	Real-Time Accurate Deep Learning-Based Edge Detection for 3-D Pantograph Pose Status Inspection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	9
4	Line Structured-Light Vision Sensor Calibration Based on Multi-Tooth Free-Moving Target and Its Application in Railway Fields. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5762-5771.	8.0	11
5	Robust Method for Measuring the Position and Orientation of Drogue Based on Stereo Vision. IEEE Transactions on Industrial Electronics, 2021, 68, 4298-4308.	7.9	16
6	Novel Multistate Fault Diagnosis and Location Method for Key Components of High-Speed Trains. IEEE Transactions on Industrial Electronics, 2021, 68, 3537-3547.	7.9	17
7	Target Tracking Based on Multiparameter Adaptive Adjustment for Autonomous Aerial Refueling. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	6
8	Compression of Remotely Sensed Astronomical Image Using Wavelet-Based Compressed Sensing in Deep Space Exploration. Remote Sensing, 2021, 13, 288.	4.0	4
9	ODCC: A Dynamic Star Spots Extraction Method for Star Sensors. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	12
10	Pose Measurement for Unmanned Aerial Vehicle Based on Rigid Skeleton. Applied Sciences (Switzerland), 2021, 11, 1373.	2.5	0
11	Vision Sensor for Measuring Aerial Refueling Drogue Using Robust Method. IEEE Sensors Journal, 2021, 21, 28037-28049.	4.7	1
12	Stellar Instrument Magnitude Estimation in Infinite-Dimensional Space. IEEE Sensors Journal, 2020, 20, 1422-1432.	4.7	6
13	A Line Matching Method Based on Multiple Intensity Ordering with Uniformly Spaced Sampling. Sensors, 2020, 20, 1639.	3.8	6
14	Parameter optimization of a single-FOV-double-region celestial navigation system. Optics Express, 2020, 28, 25149.	3.4	8
15	Optical Parameters Optimization for All-Time Star Sensor. Sensors, 2019, 19, 2960.	3.8	11
16	Accurate and Robust Synchronous Extraction Algorithm for Star Centroid and Nearby Celestial Body Edge. IEEE Access, 2019, 7, 126742-126752.	4.2	13
17	PAC Interaction Inspection Using Real-Time Contact Point Tracking. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4051-4064.	4.7	16
18	On-Site Reliable Wheel Size Measurement Based on Multisensor Data Fusion. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4575-4589.	4.7	17

#	Article	IF	Citations
19	RWBD: Learning Robust Weighted Binary Descriptor for Image Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1553-1564.	8.3	3
20	High-Accuracy Synchronous Extraction Algorithm of Star and Celestial Body Features for Optical Navigation Sensor. IEEE Sensors Journal, 2018, 18, 713-723.	4.7	13
21	Reliable and Accurate Wheel Size Measurement under Highly Reflective Conditions. Sensors, 2018, 18, 4296.	3.8	6
22	Star Centroiding Based on Fast Gaussian Fitting for Star Sensors. Sensors, 2018, 18, 2836.	3.8	32
23	CraterIDNet: An End-to-End Fully Convolutional Neural Network for Crater Detection and Identification in Remotely Sensed Planetary Images. Remote Sensing, 2018, 10, 1067.	4.0	33
24	Guide star catalog generation for short-wave infrared (SWIR) All-Time star sensor. Review of Scientific Instruments, 2018, 89, 075003.	1.3	20
25	Distributed Parallel Super-Block-Based Star Detection and Centroid Calculation. IEEE Sensors Journal, 2018, 18, 8096-8107.	4.7	11
26	An Accelerated Motion Blurred Star Restoration Based on Single Image. IEEE Sensors Journal, 2017, 17, 1306-1315.	4.7	25
27	A star tracker on-orbit calibration method based on vector pattern match. Review of Scientific Instruments, 2017, 88, 043101.	1.3	7
28	Celestial Object Imaging Model and Parameter Optimization for an Optical Navigation Sensor Based on the Well Capacity Adjusting Scheme. Sensors, 2017, 17, 915.	3.8	5
29	An Extended Kalman Filter-Based Attitude Tracking Algorithm for Star Sensors. Sensors, 2017, 17, 1921.	3.8	19
30	High-Accuracy Decoupling Estimation of the Systematic Coordinate Errors of an INS and Intensified High Dynamic Star Tracker Based on the Constrained Least Squares Method. Sensors, 2017, 17, 2285.	3.8	6
31	Dynamic Measurement for the Diameter of A Train Wheel Based on Structured-Light Vision. Sensors, 2016, 16, 564.	3.8	16
32	On-site calibration method for outdoor binocular stereo vision sensors. Optics and Lasers in Engineering, 2016, 86, 75-82.	3.8	15
33	A Discrete HMM-Based Feature Sequence Model Approach for Star Identification. IEEE Sensors Journal, 2016, 16, 931-940.	4.7	21
34	Correction Method for Line Extraction in Vision Measurement. PLoS ONE, 2015, 10, e0127068.	2.5	2
35	3-D Object Recognition via Aspect Graph Aware 3-D Object Representation. IEEE Signal Processing Letters, 2015, 22, 2359-2363.	3.6	4
36	Robust deblurring based on prediction of informative structure. IET Image Processing, 2015, 9, 827-835.	2.5	6

#	ARTICLE	IF	CITATIONS
37	Classification for breast cancer diagnosis with Raman spectroscopy. Biomedical Optics Express, 2014, 5, 2435.	2.9	28
38	Exposure Time Optimization for Highly Dynamic Star Trackers. Sensors, 2014, 14, 4914-4931.	3.8	26
39	An edge-based scale- and affine-invariant algorithm for remote sensing image registration. International Journal of Remote Sensing, 2013, 34, 2301-2326.	2.9	24
40	Shape registration for remote-sensing images with background variation. International Journal of Remote Sensing, 2013, 34, 5265-5281.	2.9	8
41	A strategy of small sample modeling for multivariate regression based on improved Boosting PLS. Analytical Methods, 2012, 4, 2039.	2.7	4
42	Rapid Determination of Leaf Water Content Using VIS/NIR Spectroscopy Analysis with Wavelength Selection. Spectroscopy, 2012, 27, 93-105.	0.8	101
43	Microscopic vision based on the adaptive positioning of the camera coordinate frame. Microscopy Research and Technique, 2012, 75, 1281-1291.	2.2	9
44	Star sensor on-orbit calibration using Extended Kalman Filter. , 2010, , .		1
45	Calibration Method for Line Structured Light Vision Sensor Based on Vanish Points and Lines. , 2010, , .		10
46	Nonlinear optimization method in camera calibration. , 2009, , .		0
47	Globus pallidus neuron spike time series prediction based on local-region multi-step forecasting model. , 2008, , .		1
48	A Simple Global Calibration Method Based on 1D Target for Multi-binocular Vision Sensor. , 2008, , .		2