

# Guangjun Zhang

## List of Publications by Year in descending order

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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	Rapid Determination of Leaf Water Content Using VIS/NIR Spectroscopy Analysis with Wavelength Selection. <i>Spectroscopy</i> , 2012, 27, 93-105.	0.8	101
2	CraterIDNet: An End-to-End Fully Convolutional Neural Network for Crater Detection and Identification in Remotely Sensed Planetary Images. <i>Remote Sensing</i> , 2018, 10, 1067.	4.0	33
3	Star Centroiding Based on Fast Gaussian Fitting for Star Sensors. <i>Sensors</i> , 2018, 18, 2836.	3.8	32
4	Classification for breast cancer diagnosis with Raman spectroscopy. <i>Biomedical Optics Express</i> , 2014, 5, 2435.	2.9	28
5	Exposure Time Optimization for Highly Dynamic Star Trackers. <i>Sensors</i> , 2014, 14, 4914-4931.	3.8	26
6	An Accelerated Motion Blurred Star Restoration Based on Single Image. <i>IEEE Sensors Journal</i> , 2017, 17, 1306-1315.	4.7	25
7	An edge-based scale- and affine-invariant algorithm for remote sensing image registration. <i>International Journal of Remote Sensing</i> , 2013, 34, 2301-2326.	2.9	24
8	A Discrete HMM-Based Feature Sequence Model Approach for Star Identification. <i>IEEE Sensors Journal</i> , 2016, 16, 931-940.	4.7	21
9	Guide star catalog generation for short-wave infrared (SWIR) All-Time star sensor. <i>Review of Scientific Instruments</i> , 2018, 89, 075003.	1.3	20
10	An Extended Kalman Filter-Based Attitude Tracking Algorithm for Star Sensors. <i>Sensors</i> , 2017, 17, 1921.	3.8	19
11	On-Site Reliable Wheel Size Measurement Based on Multisensor Data Fusion. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 4575-4589.	4.7	17
12	Novel Multistate Fault Diagnosis and Location Method for Key Components of High-Speed Trains. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 3537-3547.	7.9	17
13	Dynamic Measurement for the Diameter of A Train Wheel Based on Structured-Light Vision. <i>Sensors</i> , 2016, 16, 564.	3.8	16
14	PAC Interaction Inspection Using Real-Time Contact Point Tracking. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 4051-4064.	4.7	16
15	Robust Method for Measuring the Position and Orientation of Drogue Based on Stereo Vision. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4298-4308.	7.9	16
16	On-site calibration method for outdoor binocular stereo vision sensors. <i>Optics and Lasers in Engineering</i> , 2016, 86, 75-82.	3.8	15
17	High-Accuracy Synchronous Extraction Algorithm of Star and Celestial Body Features for Optical Navigation Sensor. <i>IEEE Sensors Journal</i> , 2018, 18, 713-723.	4.7	13
18	Accurate and Robust Synchronous Extraction Algorithm for Star Centroid and Nearby Celestial Body Edge. <i>IEEE Access</i> , 2019, 7, 126742-126752.	4.2	13

#	ARTICLE	IF	CITATIONS
19	ODCC: A Dynamic Star Spots Extraction Method for Star Sensors. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	12
20	Distributed Parallel Super-Block-Based Star Detection and Centroid Calculation. IEEE Sensors Journal, 2018, 18, 8096-8107.	4.7	11
21	Optical Parameters Optimization for All-Time Star Sensor. Sensors, 2019, 19, 2960.	3.8	11
22	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
23	Calibration Method for Line Structured Light Vision Sensor Based on Vanish Points and Lines. , 2010, , .		10
24	Microscopic vision based on the adaptive positioning of the camera coordinate frame. Microscopy Research and Technique, 2012, 75, 1281-1291.	2.2	9
25	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
26	Shape registration for remote-sensing images with background variation. International Journal of Remote Sensing, 2013, 34, 5265-5281.	2.9	8
27	Parameter optimization of a single-FOV-double-region celestial navigation system. Optics Express, 2020, 28, 25149.	3.4	8
28	A star tracker on-orbit calibration method based on vector pattern match. Review of Scientific Instruments, 2017, 88, 043101.	1.3	7
29	Siamese block attention network for online update object tracking. Applied Intelligence, 2023, 53, 3459-3471.	5.3	7
30	Robust deblurring based on prediction of informative structure. IET Image Processing, 2015, 9, 827-835.	2.5	6
31	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
32	Reliable and Accurate Wheel Size Measurement under Highly Reflective Conditions. Sensors, 2018, 18, 4296.	3.8	6
33	Stellar Instrument Magnitude Estimation in Infinite-Dimensional Space. IEEE Sensors Journal, 2020, 20, 1422-1432.	4.7	6
34	A Line Matching Method Based on Multiple Intensity Ordering with Uniformly Spaced Sampling. Sensors, 2020, 20, 1639.	3.8	6
35	Target Tracking Based on Multiparameter Adaptive Adjustment for Autonomous Aerial Refueling. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	6
36	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

#	ARTICLE	IF	CITATIONS
37	A strategy of small sample modeling for multivariate regression based on improved Boosting PLS. Analytical Methods, 2012, 4, 2039.	2.7	4
38	3-D Object Recognition via Aspect Graph Aware 3-D Object Representation. IEEE Signal Processing Letters, 2015, 22, 2359-2363.	3.6	4
39	Compression of Remotely Sensed Astronomical Image Using Wavelet-Based Compressed Sensing in Deep Space Exploration. Remote Sensing, 2021, 13, 288.	4.0	4
40	Joint Estimation of Stellar Atmospheric Refraction and Star Tracker Attitude. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	4
41	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
42	A Simple Global Calibration Method Based on 1D Target for Multi-binocular Vision Sensor. , 2008, , .		2
43	Correction Method for Line Extraction in Vision Measurement. PLoS ONE, 2015, 10, e0127068.	2.5	2
44	Globus pallidus neuron spike time series prediction based on local-region multi-step forecasting model. , 2008, , .		1
45	Star sensor on-orbit calibration using Extended Kalman Filter. , 2010, , .		1
46	Vision Sensor for Measuring Aerial Refueling Drogue Using Robust Method. IEEE Sensors Journal, 2021, 21, 28037-28049.	4.7	1
47	Nonlinear optimization method in camera calibration. , 2009, , .		0
48	Pose Measurement for Unmanned Aerial Vehicle Based on Rigid Skeleton. Applied Sciences (Switzerland), 2021, 11, 1373.	2.5	0