

# Zhongliang Jing

## List of Publications by Year in descending order

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51  
papers

1,289  
citations

516710

16  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of focus measures in multi-focus image fusion. Pattern Recognition Letters, 2007, 28, 493-500.	4.2	482
2	Multi-focus image fusion using pulse coupled neural network. Pattern Recognition Letters, 2007, 28, 1123-1132.	4.2	175
3	Variational Bayesian Adaptive Cubature Information Filter Based on Wishart Distribution. IEEE Transactions on Automatic Control, 2017, 62, 6051-6057.	5.7	88
4	Gaussian mixture CPHD filter with gating technique. Signal Processing, 2009, 89, 1521-1530.	3.7	44
5	A Consensus Nonlinear Filter With Measurement Uncertainty in Distributed Sensor Networks. IEEE Signal Processing Letters, 2017, 24, 1631-1635.	3.6	40
6	Robust Consensus Nonlinear Information Filter for Distributed Sensor Networks With Measurement Outliers. IEEE Transactions on Cybernetics, 2019, 49, 3731-3743.	9.5	39
7	Maneuvering multi-target tracking based on variable structure multiple model GMCPHD filter. Signal Processing, 2017, 141, 158-167.	3.7	35
8	Image-Based Position Control of Mobile Robots With a Completely Unknown Fixed Camera. IEEE Transactions on Automatic Control, 2018, 63, 3016-3023.	5.7	34
9	Student-t mixture labeled multi-Bernoulli filter for multi-target tracking with heavy-tailed noise. Signal Processing, 2018, 152, 331-339.	3.7	31
10	Distance-directed Target Searching for a Deep Visual Servo SMA Driven Soft Robot Using Reinforcement Learning. Journal of Bionic Engineering, 2020, 17, 1126-1138.	5.0	28
11	Detection-guided multi-target Bayesian filter. Signal Processing, 2012, 92, 564-574.	3.7	24
12	A nonlinear uniaxial stress-strain constitutive model for viscoelastic membrane materials. Polymer Testing, 2020, 90, 106633.	4.8	21
13	Localization of multiple emitters based on the sequential PHD filter. Signal Processing, 2010, 90, 34-43.	3.7	20
14	Computational method for in-situ finite element modeling of inflatable membrane structures based on geometrical shape measurement using photogrammetry. Computers and Structures, 2019, 224, 106105.	4.4	20
15	The Labeled Multi-Bernoulli Filter for Multitarget Tracking With Glint Noise. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2253-2268.	4.7	19
16	Image fusion using a low-redundancy and nearly shift-invariant discrete wavelet frame. Optical Engineering, 2007, 46, 107002.	1.0	17
17	Maneuver-Aided Active Satellite Tracking Using Six-DOF Optimal Dynamic Inversion Control. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 704-719.	4.7	15
18	A sparse proximal Newton splitting method for constrained image deblurring. Neurocomputing, 2013, 122, 245-257.	5.9	14

#	ARTICLE	IF	CITATIONS
19	Consensus-Based Filter for Distributed Sensor Networks with Colored Measurement Noise. <i>Sensors</i> , 2018, 18, 3678.	3.8	12
20	Dynamic geometrical shape measurement and structural analysis of inflatable membrane structures using a low-cost three-camera system. <i>Automation in Construction</i> , 2018, 96, 442-456.	9.8	12
21	Purely Image-Based Pose Stabilization of Nonholonomic Mobile Robots With a Truly Uncalibrated Overhead Camera. <i>IEEE Transactions on Robotics</i> , 2020, 36, 724-742.	10.3	12
22	Simultaneous target tracking and sensor location refinement in distributed sensor networks. <i>Signal Processing</i> , 2018, 153, 123-131.	3.7	9
23	Consensus variable structure multiple model filtering for distributed maneuvering tracking. <i>Signal Processing</i> , 2019, 162, 234-241.	3.7	9
24	Uniaxial tensile creep properties of ETFE foils at a wide range of loading stresses subjected to long-term loading. <i>Construction and Building Materials</i> , 2020, 253, 119112.	7.2	9
25	Non-Cooperative Target Tracking. <i>Fusion and Control. Information Fusion and Data Science</i> , 2018, , .	0.3	9
26	A Simple Method to Build Oversampled Filter Banks and Tight Frames. <i>IEEE Transactions on Image Processing</i> , 2007, 16, 2682-2687.	9.8	8
27	Neural network-based state fusion and adaptive tracking for maneuvering targets. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005, 10, 395-410.	3.3	7
28	Consensus cubature filtering based on Gaussian process for distributed sensor network with model uncertainty. <i>Signal Processing</i> , 2022, 190, 108347.	3.7	7
29	Current progress of information fusion in China. <i>Science Bulletin</i> , 2013, 58, 4533-4540.	1.7	6
30	Simultaneous uniaxial creep testing of time-dependent membrane materials with optical devices. <i>Materials Today Communications</i> , 2019, 21, 100655.	1.9	6
31	Unscented fuzzy-controlled current statistic model and adaptive filtering for tracking maneuvering targets. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2006, 11, 961-972.	3.3	5
32	A dual-kernel-based tracking approach for visual target. <i>Science China Information Sciences</i> , 2012, 55, 566-576.	4.3	4
33	Robust image restoration via random projection and partial sorted $\hat{\alpha}_p$ norm. <i>Neurocomputing</i> , 2017, 222, 72-80.	5.9	4
34	A distributed consensus filter for sensor networks with heavy-tailed measurement noise. <i>Science China Information Sciences</i> , 2018, 61, 1.	4.3	4
35	Shape Memory Alloy Driven Soft Robot Design and Position Control Using Continuous Reinforcement Learning. , 2019, , .		4
36	Evaluation of Focus Measures in Multi-Focus Image Fusion. <i>Information Fusion and Data Science</i> , 2018, , 269-281.	0.3	3

#	ARTICLE	IF	CITATIONS
37	Experimental Evaluation on Structural Behaviors of ETFE Cushion Structures Subjected to Progressive Loading. Journal of Structural Engineering, 2021, 147, 04021205.	3.4	2
38	Application to Environmental Surveillance: Dynamic Image Estimation Fusion and Optimal Remote Sensing with Fuzzy Integral. Smart Sensors, Measurement and Instrumentation, 2015, , 159-189.	0.6	2
39	Extended GMPHD with amplitude information for multi-sensor multi-target tracking. Aerospace Systems, 2021, 4, 271-279.	1.4	2
40	Robust visual multitask tracking via composite sparse model. Journal of Electronic Imaging, 2014, 23, 063022.	0.9	1
41	A Regular $k$ -Shrinkage Thresholding Operator for the Removal of Mixed Gaussian-Impulse Noise. Applied Computational Intelligence and Soft Computing, 2017, 2017, 1-9.	2.3	1
42	Target Tracking and Multi-Sensor Fusion with Adaptive Cubature Information Filter. Information Fusion and Data Science, 2018, , 41-70.	0.3	1
43	Design, Modeling and Motion Control of a Multi-Segment SMA Driven Soft Robotic Manipulator. , 2021, , .		1
44	External Wrench Estimation for UAVs Based on Variational Bayesian Unscented Kalman Filter. IEEE Robotics and Automation Letters, 2022, 7, 6814-6821.	5.1	1
45	Improved Current Statistic Model and Adaptive Filtering. , 2005, , 255.		0
46	Generalized proximal conjugate gradient method for image deblurring. , 2014, , .		0
47	Nonlinear Filter. Information Fusion and Data Science, 2018, , 7-22.	0.3	0
48	Multi-Target Tracking with Gaussian Mixture CPHD Filter and Gating Technique. Information Fusion and Data Science, 2018, , 71-86.	0.3	0
49	Image Fusion Using the Quincunx-Sampled Discrete Wavelet Frame. Information Fusion and Data Science, 2018, , 229-249.	0.3	0
50	Optimal Dynamic Inversion Control for Spacecraft Maneuver-Aided Tracking. Information Fusion and Data Science, 2018, , 307-329.	0.3	0
51	Optimal-Switched $H_\infty$ Robust Tracking for Maneuvering Space Target. Information Fusion and Data Science, 2018, , 151-160.	0.3	0