Bin Liu

List of Publications by Year
in descending order

27 papers	279 citations	1163117
		8 h-index

996975	
15 g-index	

| 27 all docs | 27 docs citations | 27 times ranked | 277 citing authors |

#	ARTICLE	IF	CITATIONS
1	Persymmetric adaptive detection and range estimation of a small target. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2590-2604.	4.7	53
2	Survey on data science with population-based algorithms. Big Data Analytics, 2016, 1, .	2.2	33
3	Instantaneous Frequency Tracking under Model Uncertainty via Dynamic Model Averaging and Particle Filtering. IEEE Transactions on Wireless Communications, 2011, 10, 1810-1819.	9.2	27
4	Evolutionary Computation and Big Data: Key Challenges and Future Directions. Lecture Notes in Computer Science, 2016, , 3-14.	1.3	24
5	Particle Filter Optimization: A Brief Introduction. Lecture Notes in Computer Science, 2016, , 95-104.	1.3	17
6	Robust video object tracking via Bayesian model averaging-based feature fusion. Optical Engineering, 2016, 55, 083102.	1.0	15
7	Online Fault-Tolerant Dynamic Event Region Detection in Sensor Networks via Trust Model. , 2017, , .		14
8	Robust particle filter by dynamic averaging of multiple noise models. , 2017, , .		14
9	Toward reliable data analysis for Internet of Things by Bayesian dynamic modeling and computation. , 2015, , .		11
10	Posterior exploration based sequential Monte Carlo for global optimization. Journal of Global Optimization, 2017, 69, 847-868.	1.8	10
11	A Survey on Trust Modeling from a Bayesian Perspective. Wireless Personal Communications, 2020, 112, 1205-1227.	2.7	10
12	State space model€based trust evaluation over wireless sensor networks: an iterative particle filter approach. Journal of Engineering, 2017, 2017, 101-109.	1.1	8
13	Sequential online prediction in the presence of outliers and change points: An instant temporal structure learning approach. Neurocomputing, 2020, 413, 240-258.	5.9	7
14	Particle filtering methods for stochastic optimization with application to large-scale empirical risk minimization. Knowledge-Based Systems, 2020, 193, 105486.	7.1	6
15	Bayesian Nonparametric Modeling for Rapid Design of Metamaterial Microstructures. International Journal of Antennas and Propagation, 2014, 2014, 1-9.	1.2	5
16	A general algorithm scheme mixing computational intelligence with Bayesian simulation. , 2013, , .		4
17	ADAPTIVE ANNEALED IMPORTANCE SAMPLING FOR MULTIMODAL POSTERIOR EXPLORATION AND MODEL SELECTION WITH APPLICATION TO EXTRASOLAR PLANET DETECTION. Astrophysical Journal, Supplement Series, 2014, 213, 14.	7.7	4
18	ILAPF: Incremental Learning Assisted Particle Filtering. , 2018, , .		4

#	Article	IF	Citations
19	ITrace: An implicit trust inference method for trust-aware collaborative filtering. AIP Conference Proceedings, 2018, , .	0.4	3
20	Dynamic Secure Interconnection for Security Enhancement in Cloud Computing. International Journal of Computers, Communications and Control, 2016, 11, 348.	1.8	3
21	Sequential Bearings-Only-Tracking Initiation with Particle Filtering Method. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	2
22	Data-Driven Model Set Design for Model Averaged Particle Filter. , 2020, , .		2
23	Temporal Data Fusion at the Edge. , 2019, , .		1
24	Robust Dynamic Multi-Modal Data Fusion: A Model Uncertainty Perspective. IEEE Signal Processing Letters, 2021, 28, 2107-2111.	3.6	1
25	Probabilistic Trust Evaluation with Inaccurate Reputation Reports. International Journal of Distributed Sensor Networks, 2015, 11, 736286.	2.2	1
26	Ensemble unscented Kalman filter for state inference in continuous–discrete systems. Journal of Engineering, 2014, 2014, 234-237.	1.1	0
27	Improving estimation of distribution algorithms with heavy-tailed student's t distributions. , 2018, , .		0