

Petar M DjuriÄ

List of Publications by Year in descending order

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241
papers

4,581
citations

218677

26
h-index

133252

59
g-index

245
all docs

245
docs citations

245
times ranked

3997
citing authors

#	ARTICLE	IF	CITATIONS
1	Indoor Tracking: Theory, Methods, and Technologies. IEEE Transactions on Vehicular Technology, 2015, 64, 1263-1278.	6.3	476
2	Resampling Methods for Particle Filtering: Classification, implementation, and strategies. IEEE Signal Processing Magazine, 2015, 32, 70-86.	5.6	435
3	Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain. Science, 2007, 318, 980-985.	12.6	422
4	Distributed particle filtering in agent networks: A survey, classification, and comparison. IEEE Signal Processing Magazine, 2013, 30, 61-81.	5.6	208
5	Likelihood Consensus and Its Application to Distributed Particle Filtering. IEEE Transactions on Signal Processing, 2012, 60, 4334-4349.	5.3	162
6	Adaptive Importance Sampling: The past, the present, and the future. IEEE Signal Processing Magazine, 2017, 34, 60-79.	5.6	160
7	Resampling Algorithms for Particle Filters: A Computational Complexity Perspective. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	157
8	Target Tracking by Particle Filtering in Binary Sensor Networks. IEEE Transactions on Signal Processing, 2008, 56, 2229-2238.	5.3	153
9	A New Class of Particle Filters for Random Dynamic Systems with Unknown Statistics. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	75
10	Novel Semi-Passive RFID System for Indoor Localization. IEEE Sensors Journal, 2013, 13, 528-537.	4.7	72
11	A search-free DOA estimation algorithm for coprime arrays. , 2014, 24, 27-33.		70
12	Proximity Detection with RFID: A Step Toward the Internet of Things. IEEE Pervasive Computing, 2015, 14, 70-76.	1.3	66
13	Multiple Particle Filtering. , 2007, , .		65
14	Distributed Bayesian learning in multiagent systems: Improving our understanding of its capabilities and limitations. IEEE Signal Processing Magazine, 2012, 29, 65-76.	5.6	55
15	Performance comparison of EKF and particle filtering methods for maneuvering targets. , 2007, 17, 774-786.		51
16	Adapting the Number of Particles in Sequential Monte Carlo Methods Through an Online Scheme for Convergence Assessment. IEEE Transactions on Signal Processing, 2017, 65, 1781-1794.	5.3	46
17	Comment on "Stiffness in stochastic chemically reacting systems: The implicit tau-leaping method". Chem. Phys. 119, 12784 (2003)]. Journal of Chemical Physics, 2004, 121, 3347-3348.	3.0	43
18	Sensor self-localization with beacon position uncertainty. Signal Processing, 2009, 89, 1144-1154.	3.7	42

#	ARTICLE	IF	CITATIONS
19	RSSI-Based Multi-Target Tracking by Cooperative Agents Using Fusion of Cross-Target Information. IEEE Transactions on Signal Processing, 2015, 63, 5033-5044.	5.3	41
20	Generic Hardware Architectures for Sampling and Resampling in Particle Filters. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	40
21	Distributed Gaussian particle filtering using likelihood consensus. , 2011, , .		39
22	Target Tracking by Multiple Particle Filtering. , 2007, , .		38
23	Fetal Heart Rate Classification Using Generative Models. IEEE Transactions on Biomedical Engineering, 2014, 61, 2796-2805.	4.2	38
24	Cardinality-Consensus-Based PHD Filtering for Distributed Multitarget Tracking. IEEE Signal Processing Letters, 2019, 26, 49-53.	3.6	36
25	Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. IEEE Transactions on Signal Processing, 2021, 69, 5723-5738.	5.3	35
26	Phase Cancellation in Backscatter-Based Tag-to-Tag Communication Systems. IEEE Internet of Things Journal, 2016, 3, 959-970.	8.7	34
27	A Particle Filtering Scheme for Processing Time Series Corrupted by Outliers. IEEE Transactions on Signal Processing, 2012, 60, 4611-4627.	5.3	32
28	Sequential Estimation and Diffusion of Information Over Networks: A Bayesian Approach With Exponential Family of Distributions. IEEE Transactions on Signal Processing, 2017, 65, 1795-1809.	5.3	32
29	Dynamic Radar Networks of UAVs: A Tutorial Overview and Tracking Performance Comparison With Terrestrial Radar Networks. IEEE Vehicular Technology Magazine, 2020, 15, 113-120.	3.4	31
30	Design of a backscatter-based Tag-to-Tag system. , 2017, , .		30
31	Vehicle Tracking Based on Fusion of Magnetometer and Accelerometer Sensor Measurements With Particle Filtering. IEEE Transactions on Vehicular Technology, 2015, 64, 4917-4928.	6.3	29
32	Image segmentation approach to extract colon lumen through colonic material tagging and hidden Markov random field model for virtual colonoscopy. , 2002, 4683, 406.		28
33	Assessment of Nonlinear Dynamic Models by Kolmogorov-Smirnov Statistics. IEEE Transactions on Signal Processing, 2010, 58, 5069-5079.	5.3	27
34	A Radio Frequency Identification System for accurate indoor localization. , 2011, , .		27
35	Sequential Monte Carlo methods under model uncertainty. , 2016, , .		27
36	Elucidating the Auxiliary Particle Filter via Multiple Importance Sampling [Lecture Notes]. IEEE Signal Processing Magazine, 2019, 36, 145-152.	5.6	26

#	ARTICLE	IF	CITATIONS
37	On the convergence of two sequential Monte Carlo methods for maximum a posteriori sequence estimation and stochastic global optimization. <i>Statistics and Computing</i> , 2013, 23, 91-107.	1.5	25
38	Indoor Tracking With RFID Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014, 8, 96-105.	10.8	24
39	Crowd-Based Learning of Spatial Fields for the Internet of Things: From Harvesting of Data to Inference. <i>IEEE Signal Processing Magazine</i> , 2018, 35, 130-139.	5.6	24
40	Fusion of Probability Density Functions. <i>Proceedings of the IEEE</i> , 2022, 110, 404-453.	21.3	24
41	Joint Model Selection and Parameter Estimation by Population Monte Carlo Simulation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2010, 4, 526-539.	10.8	23
42	Distributed Sequential Estimation in Asynchronous Wireless Sensor Networks. <i>IEEE Signal Processing Letters</i> , 2015, 22, 1965-1969.	3.6	23
43	Dynamic Radar Network of UAVs: A Joint Navigation and Tracking Approach. <i>IEEE Access</i> , 2020, 8, 116454-116469.	4.2	23
44	Likelihood consensus: Principles and application to distributed particle filtering. , 2010, , .		21
45	Particle filtering for high-dimensional systems. , 2013, , .		21
46	Performance Comparison of Gaussian-Based Filters Using Information Measures. <i>IEEE Signal Processing Letters</i> , 2007, 14, 1020-1023.	3.6	20
47	Target tracking with asynchronous measurements by a network of distributed mobile agents. , 2012, , .		20
48	Indoor Localization With Range-Based Measurements and Little Prior Information. <i>IEEE Sensors Journal</i> , 2013, 13, 1979-1987.	4.7	20
49	Social Learning With Bayesian Agents and Random Decision Making. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 3241-3250.	5.3	20
50	Design and Implementation of Flexible Resampling Mechanism for High-Speed Parallel Particle Filters. <i>Journal of Signal Processing Systems</i> , 2006, 44, 47-62.	1.0	19
51	Unsupervised State-Space Modeling Using Reproducing Kernels. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 5210-5221.	5.3	19
52	Supervised and Unsupervised Learning of Fetal Heart Rate Tracings with Deep Gaussian Processes. , 2018, , .		19
53	Particle filtering for indoor RFID tag tracking. , 2011, , .		17
54	Non-centralized target tracking with mobile agents. , 2011, , .		17

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55	Sequential Estimation of Mixtures in Diffusion Networks. IEEE Signal Processing Letters, 2015, 22, 197-201.	3.6	17
56	Electrocorticography reveals thalamic control of cortical dynamics following traumatic brain injury. Communications Biology, 2021, 4, 1210.	4.4	17
57	Sequential particle filtering in the presence of additive Gaussian noise with unknown parameters. , 2002, , .		16
58	Spectrum Patrolling with Crowdsourced Spectrum Sensors. , 2018, , .		16
59	Sequential Parameter Estimation of Time-Varying Non-Gaussian Autoregressive Processes. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.7	15
60	Transcriptional profiling of putative human epithelial stem cells. BMC Genomics, 2008, 9, 359.	2.8	15
61	Recovery of missing samples in fetal heart rate recordings with Gaussian processes. , 2017, , .		15
62	Tracking with particle filtering in tertiary wireless sensor networks. , 0, , .		14
63	Efficient distributed resampling for particle filters. , 2011, , .		14
64	Particle Filtering of Stochastic Volatility Modeled With Leverage. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 327-336.	10.8	14
65	Distributed Bayesian Estimation of Linear Models With Unknown Observation Covariances. IEEE Transactions on Signal Processing, 2016, 64, 1962-1971.	5.3	14
66	Time-space-sequential distributed particle filtering with low-rate communications. , 2009, , .		13
67	Likelihood consensus-based distributed particle filtering with distributed proposal density adaptation. , 2012, , .		13
68	A Gossip Method for Optimal Consensus on a Binary State From Binary Actions. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 274-283.	10.8	13
69	Position estimation with a millimeter-wave massive MIMO system based on distributed steerable phased antenna arrays. Eurasip Journal on Advances in Signal Processing, 2018, 2018, 33.	1.7	13
70	In Search for Improved Auxiliary Particle Filters. , 2018, , .		13
71	Design Methodology for Domain Specific Parameterizable Particle Filter Realizations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2007, 54, 1987-2000.	5.4	12
72	Injury to thalamocortical projections following traumatic brain injury results in attractor dynamics for cortical networks. Progress in Neurobiology, 2022, 210, 102215.	5.7	12

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73	An iterative MMSE procedure for parameter estimation of damped sinusoidal signals. Signal Processing, 1996, 51, 105-120.	3.7	11
74	Blind equalization for time-varying channels and multiple samples processing using particle filtering. , 2004, 14, 312-331.		11
75	Response to Comments on "Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain". Science, 2008, 321, 640-640.	12.6	11
76	The Science Behind Risk Management. IEEE Signal Processing Magazine, 2011, 28, 26-36.	5.6	11
77	Particle Filtering for Target Tracking with Mobile Sensors. , 2007, , .		10
78	Study of Algorithmic and Architectural Characteristics of Gaussian Particle Filters. Journal of Signal Processing Systems, 2010, 61, 205-218.	2.1	10
79	Target tracking by symbiotic particle filtering. , 2010, , .		10
80	The Augmented Complex Particle Filter. IEEE Transactions on Signal Processing, 2013, 61, 4341-4346.	5.3	10
81	Multiple particle filtering with improved efficiency and performance. , 2015, , .		10
82	Sequential Estimation of Hidden ARMA Processes by Particle Filteringâ€”Part I. IEEE Transactions on Signal Processing, 2017, 65, 482-493.	5.3	10
83	Direct Wideband Coherent Localization by Distributed Antenna Arrays. Sensors, 2019, 19, 4582.	3.8	10
84	Systems Biology Approach to Imaging of Neural Stem Cells. Methods in Molecular Biology, 2011, 711, 421-434.	0.9	10
85	On the performance of particle filters with adaptive number of particles. Statistics and Computing, 2021, 31, 1.	1.5	10
86	Multibeam cellular communication systems with dynamic channel assignment across multiple sectors. Wireless Networks, 1999, 5, 267-278.	3.0	9
87	Adaptive Blind Multiuser Detection over Flat Fast Fading Channels Using Particle Filtering. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	9
88	A general method for the computation of probabilities in systems of first order chemical reactions. Journal of Chemical Physics, 2005, 122, 104101.	3.0	9
89	Marginalized population Monte Carlo. , 2009, , .		9
90	Model assessment with Kolmogorov-Smirnov statistics. , 2009, , .		8

#	ARTICLE	IF	CITATIONS
91	Reaching consensus on a binary state by exchanging binary actions. , 2012, , .		8
92	Particle filtering in high-dimensional systems with Gaussian approximations. , 2014, , .		8
93	Recursive Estimation of Dynamic RSS Fields Based on Crowdsourcing and Gaussian Processes. IEEE Transactions on Signal Processing, 2019, 67, 1152-1162.	5.3	8
94	Particle Filtering-Based Target Tracking in Binary Sensor Networks Using Adaptive Thresholds. , 2007, , .		7
95	Target tracking by fusion of random measures. Signal, Image and Video Processing, 2007, 1, 149-161.	2.7	7
96	Non-centralized target tracking in networks of directional sensors. , 2011, , .		7
97	Replication and optimization of hedge fund risk factor exposures. , 2013, , .		7
98	Variable Selection by Perfect Sampling. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.7	6
99	A sequential Monte Carlo technique for blind synchronization and detection in frequency-flat Rayleigh fading wireless channels. Signal Processing, 2004, 84, 2081-2096.	3.7	6
100	Simplifying Physical Realization of Gaussian Particle Filters with Block-Level Pipeline Control. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	6
101	Complex systems and particle filtering. , 2008, , .		6
102	Particle filtering in the presence of outliers. , 2009, , .		6
103	Sequential Estimation of Hidden ARMA Processes by Particle Filteringâ€”Part II. IEEE Transactions on Signal Processing, 2017, 65, 494-504.	5.3	6
104	Joint Indoor Localization and Navigation of UAVs for Network Formation Control. , 2018, , .		6
105	Collaborative Target-Localization and Information-Based Control in Networks of UAVs. , 2018, , .		6
106	A Variational Adaptive Population Importance Sampler. , 2019, , .		6
107	Discovering Causalities from Cardiocography Signals using Improved Convergent Cross Mapping with Gaussian Processes. , 2020, 2020, 1309-1313.		6
108	Dynamic classification of fetal heart rates by hierarchical Dirichlet process mixture models. PLoS ONE, 2017, 12, e0185417.	2.5	6

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109	Leveraging RF Power for Intelligent Tag Networks. , 2018, , .		6
110	A novel approach to detection of closely spaced sinusoids. Signal Processing, 1996, 51, 93-104.	3.7	5
111	Learning dependencies among fetal heart rate features using Bayesian networks. , 2012, 2012, 6204-7.		5
112	Gaussian particle filtering in high-dimensional systems. , 2014, , .		5
113	Diffusion filtration with approximate Bayesian computation. , 2015, , .		5
114	Fetal heart rate analysis by hierarchical dirichlet process mixture models. , 2016, , .		5
115	Enhanced indoor localization through crowd sensing. , 2017, , .		5
116	Nonparametric learning for Hidden Markov Models with preferential attachment dynamics. , 2017, , .		5
117	Distributed Kalman and Particle Filtering. , 2018, , 169-207.		5
118	Improving Convergent Cross Mapping for Causal Discovery with Gaussian Processes. , 2020, , .		5
119	Bayesian Reconstruction of Fourier Pairs. IEEE Transactions on Signal Processing, 2021, 69, 73-87.	5.3	5
120	Estimation of Consecutively Missed Samples in Fetal Heart Rate Recordings. , 2021, 2020, 1080-1084.		5
121	Multi-Agent Q-Learning in UAV Networks for Target Detection and Indoor Mapping. , 2021, , .		5
122	Bearings-Only Tracking with Biased Measurements. , 2007, , .		4
123	Implementation of NICHD diagnostic criteria for feature extraction and classification of fetal heart rate signals. , 2011, , .		4
124	Sequential likelihood consensus and its application to distributed particle filtering with reduced communications and latency. , 2011, , .		4
125	Efficient Estimation of Linear Parameters from Correlated Node Measurements over Networks. IEEE Signal Processing Letters, 2014, 21, 1408-1412.	3.6	4
126	Sequential Bayesian learning in linear networks with random decision making. , 2014, , .		4

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127	Estimation of gene expression by a bank of particle filters. , 2015, , .		4
128	Sequential Monte Carlo sampling for systems with fractional Gaussian processes. , 2015, , .		4
129	Analog front end design for tags in backscatter-based tag-to-tag communication networks. , 2016, , .		4
130	Fetal heart rate classification by non-parametric Bayesian methods. , 2017, 2017, 876-880.		4
131	Inference about Causality from Cardiotocography Signals Using Gaussian Processes. , 2019, 2019, 2852-2856.		4
132	Spectrum Patrolling With Crowdsourced Spectrum Sensors. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 271-281.	7.9	4
133	Bayesian Nonparametric Dimensionality Reduction of Categorical Data for Predicting Severity of COVID-19 in Pregnant Women. , 2021, 2021, 1980-1984.		4
134	Simplified Marginalized Particle Filtering for Tracking Multimodal Posteriors. , 2007, , .		3
135	Improved target tracking with particle filtering. , 2009, , .		3
136	Adaptive systems of particle filters. , 2010, , .		3
137	Estimation of multimodal posterior distributions of chirp parameters with population Monte Carlo sampling. , 2012, , .		3
138	Estimation of ARMA state processes by particle filtering. , 2014, , .		3
139	Proximity detection with RFID in the Internet of Things. , 2014, , .		3
140	A particle-based approach for topology estimation of gene networks. , 2017, , .		3
141	Crowdsource-based signal strength field estimation by Gaussian processes. , 2017, , .		3
142	Improved Adaptive Importance Sampling Based on Variational Inference. , 2018, , .		3
143	On Measuring Doppler Shifts between Tags in a Backscattering Tag-to-Tag Network with Applications in Tracking. , 2020, , .		3
144	Gaussian Process State-Space Models with Time-Varying Parameters and Inducing Points. , 2021, 2020, 1462-1466.		3

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145	Missingness patterns in a comprehensive instrument identifying psychosocial and substance use risk in antenatal care. <i>Journal of Reproductive and Infant Psychology</i> , 2023, 41, 376-390.	1.8	3
146	Blind sequential detection for Rayleigh fading channels using hybrid Monte Carlo-recursive identification algorithms. <i>Signal Processing</i> , 2004, 84, 825-832.	3.7	2
147	Fusion of Information for Sensor Self-Localization by a Monte Carlo Method. , 2006, , .		2
148	Cost-Reference Particle Filtering for Dynamic Systems with Nonlinear and Conditionally Linear States. , 2006, , .		2
149	Tracking with Biased Measurements of Signal Strength Sensors. , 2007, , .		2
150	Target tracking with mobile sensors using cost-reference particle filtering. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	2
151	Measuring the robustness of sequential methods. , 2009, , .		2
152	Estimation of predictive loss distributions by particle filtering. , 2011, , .		2
153	Evolution of social belief in multiagent systems. , 2011, , .		2
154	On Localized Techniques for Detection of Voltage Stability Related Problems. , 2011, , .		2
155	Reaching Bayesian belief Over networks in the presence of communication noise. , 2013, , .		2
156	Data fusion based on convex optimization. , 2013, , .		2
157	Analysis of the cross-target measurement fusion likelihood for RSSI-based sensors. , 2014, , .		2
158	Particle filtering of ARMA processes of unknown order and parameters. , 2015, , .		2
159	On generative models for sequential formation of clusters. , 2015, , .		2
160	Social learning with heterogeneous agents and sequential decision making. , 2015, 47, 17-24.		2
161	Detectors for Cooperative Mesh Networks With Decode-and-Forward Relays. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 5-17.	5.3	2
162	Bayesian estimation of unknown parameters over networks. , 2016, , .		2

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163	A novel algorithm for adapting the number of particles in particle filtering. , 2016, , .		2
164	Multiple particle filtering for inference in the presence of state correlation of unknown mixing parameters. , 2017, , .		2
165	Estimation Of Spatial Fields Of Nlos/Los Conditions For Improved Localization In Indoor Environments. , 2018, , .		2
166	On Self-assessment of Proficiency of Autonomous Systems. , 2019, , .		2
167	A Recursive Bayesian Model for Extreme Values. , 2019, , .		2
168	Innovation Starts With Education: ICASSP 2019 Education Panel [SP Forum]. IEEE Signal Processing Magazine, 2019, 36, 135-147.	5.6	2
169	Adaptive importance sampling supported by a variational auto-encoder. , 2019, , .		2
170	Extracting Interpretable Features for Fetal Heart Rate Recordings with Gaussian Processes. , 2019, 2019, 381-385.		2
171	Bachelor of Science in Electrical Engineering Online: A Journey of Challenges and Triumphs. IEEE Signal Processing Magazine, 2021, 38, 115-121.	5.6	2
172	Identification of Uterine Contractions by An Ensemble of Gaussian Processes. , 2021, 2021, .		2
173	Systemic Risk Modeling with LÃ©vy Copulas. Journal of Risk and Financial Management, 2021, 14, 251.	2.3	2
174	Class-Imbalanced Classifiers Using Ensembles of Gaussian Processes And Gaussian Process Latent Variable Models. , 2021, 2021, .		2
175	Exploiting Causality for Improved Prediction of Patient Volumes by Gaussian Processes. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2487-2496.	6.3	2
176	Selection of Sensors for Efficient Transmitter Localization. IEEE/ACM Transactions on Networking, 2022, 30, 107-119.	3.8	2
177	Unsupervised Detection of Anomalies in Fetal Heart Rate Tracings using Phase Space Reconstruction. , 2021, 2021, 1321-1325.		2
178	Unsupervised Clustering and Analysis of Contraction-Dependent Fetal Heart Rate Segments. , 2022, , .		2
179	<title>Reversible jump algorithm for analysis of gamma mixtures</title>. , 1998, , .		1
180	Joint Estimation of States and Transition Functions of Dynamic Systems Using Cost-Reference Particle Filtering. , 0, , .		1

#	ARTICLE	IF	CITATIONS
181	Packet Combining Over Rayleigh Channels using Signal-to-Noise Ratio Information and Detection by the Maximum A-Posteriori Criterion. , 2006, , .		1
182	Sequential Estimation by Combined cost-Reference Particle and Kalman Filtering. , 2007, , .		1
183	Stochastic simulation of coupled chemical reactions using recursive methods. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
184	Target Tracking By A New Class Of Cost-Reference Particle Filters. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	1
185	Assessing robustness of particle filtering by the Kolmogorov-Smirnov statistics. , 2009, , .		1
186	Stochastic modeling of second order reactions using a moment propagation method. , 2009, , .		1
187	Cooperative relay communications in mesh networks. , 2009, , .		1
188	Evaluation of a method's robustness. , 2010, , .		1
189	A stochastic compartmental approach to modeling and simulation of cancer spheroid formation and evolution. , 2011, , .		1
190	Estimating hedge fund risk factor exposures. , 2012, , .		1
191	Particle filtering for multivariate state-space models. , 2012, , .		1
192	Classification of fetal heart rate series. , 2012, , .		1
193	Tracking with RFID asynchronous measurements by particle filtering. , 2013, , .		1
194	Efficient learning by consensus over regular networks. , 2014, , .		1
195	Cooperative mesh networks with EGC detectors. , 2014, , .		1
196	Guest Editorial Special Section on "Indoor Localization, Tracking, and Mapping With Heterogeneous Technologies" IEEE Transactions on Vehicular Technology, 2015, 64, 1261-1262.	6.3	1
197	Filtering of nonlinear time-series coupled by fractional Gaussian processes. , 2015, , .		1
198	On optimal mobile RSSI-sensor positioning for multi target tracking. , 2015, , .		1

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199	Dirichlet process mixture models for time-dependent clustering. , 2016, , .		1
200	Opinion dynamics in multi-agent systems with binary decision exchanges. , 2016, , .		1
201	Sequential Monte Carlo sampling for correlated latent long-memory time-series. , 2016, , .		1
202	Sequential Monte Carlo for inference of latent ARMA time-series with innovations correlated in time. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	1
203	Recursive estimation of time-varying RSS fields based on crowdsourcing and Gaussian processes. , 2017, , .		1
204	Diffusion in networks by cooperative particle filtering. , 2017, , .		1
205	Tracking of Objects in a Passive Backscattering Tag-to-Tag Network. , 2018, , .		1
206	Detecting Causality using Deep Gaussian Processes. , 2019, 2019, 472-476.		1
207	Performance Limits of Direct Wideband Coherent 3D Localization in Distributed Massive MIMO Systems. Sensors, 2021, 21, 3401.	3.8	1
208	Why donâ€™t ventricles dilate in pseudotumor cerebri? A circuit model of the cerebral windkessel. Journal of Neurosurgery: Pediatrics, 2022, 29, 719-726.	1.3	1
209	Classification of Digital Modulations Using MCMC Methods. Monte Carlo Methods and Applications, 2001, 7, .	0.8	0
210	Bearings-Only Tracking Based on Multiple Sensor Measurements and Generalized Particle Filtering. , 2006, , .		0
211	A New Approach to Cost-Reference Particle Filtering. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
212	Learning by Simplified Cost-Reference Particle Filtering using Biased Data. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	0
213	A stochastic approach to solving inverse problems of biochemical networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
214	On new stochastic approaches for solving forward and backward problems of biochemical networks. , 2008, , .		0
215	RLS-assisted cost reference particle filtering. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
216	Sequential Monte Carlo Optimization Using Artificial State-Space Models. , 2009, , .		0

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217	Data-driven online variational filtering in wireless sensor networks. , 2009, , .		0
218	A stochastic approach to studying biochemical reactions without Monte Carlo simulations. , 2009, , .		0
219	Cost-Reference Particle Filters and Fusion of Information. , 2009, , .		0
220	Welcome from the program co-chairs. , 2009, , .		0
221	A stochastic model of proliferation of cancer stem cells and its estimation by particle filtering. , 2010, , .		0
222	Non-centralized target tracking in networks of directional sensors: Further advances. , 2011, , .		0
223	Classification of multivariate data using Dirichlet process mixture models. , 2012, , .		0
224	Estimation of posterior distributions with population Monte Carlo sampling and graphical modeling. , 2012, , .		0
225	Models with products of Dirichlet processes. , 2013, , .		0
226	Distributed Bayesian learning with a Bernoulli model. , 2014, , .		0
227	Bayesian social learning with decision making in multiple rounds. , 2015, , .		0
228	Real-time self-tracking in the Internet of Things. , 2015, , .		0
229	Bayesian social learning in linear networks of agents with random behavior. , 2015, , .		0
230	Online adaptation of the number of particles of SMC methods. , 2016, , .		0
231	Sequential estimation and diffusion of information over networks. , 2016, , .		0
232	Analysis of fetal heart rate series by nonparametric hidden Markov models. , 2017, , .		0
233	Bayesian learning in a network with multi-hypothesis decision exchanges. , 2017, , .		0
234	Bayesian selection of models of network formation. , 2017, , .		0

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235	Graph representation using mutual information for graph model discrimination. , 2018, , .		0
236	Quo Vadis ICASSP: Echoes of 2019 ICASSP in Brighton, United Kingdom: Signal Processing Meets the Needs of Modern Humankind [Conference Highlights]. IEEE Signal Processing Magazine, 2019, 36, 127-134.	5.6	0
237	Modeling and Estimation of Interactions of Yule-Simon Processes. , 2019, , .		0
238	A Recursive Bayesian Solution for the Excess Over Threshold Distribution with Stochastic Parameters. , 2020, , .		0
239	Enhanced Mixture Population Monte Carlo Via Stochastic Optimization and Markov Chain Monte Carlo Sampling. , 2020, , .		0
240	Adaptive Importance Sampling Via Auto-Regressive Generative Models and Gaussian Processes. , 2021, 2021, 5584-5588.		0
241	3D Source Tracking with Large Antenna Arrays in the Fresnel Region. , 2021, , .		0