Petar M DjuriÄ‡

List of Publications by Year
in descending order

241	4,581	218381	133063
241	4,581	26	59
papers	citations	h-index	g-index

245	245	245	3997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Missingness patterns in a comprehensive instrument identifying psychosocial and substance use risk in antenatal care. Journal of Reproductive and Infant Psychology, 2023, 41, 376-390.	0.9	3
2	Selection of Sensors for Efficient Transmitter Localization. IEEE/ACM Transactions on Networking, 2022, 30, 107-119.	2.6	2
3	Injury to thalamocortical projections following traumatic brain injury results in attractor dynamics for cortical networks. Progress in Neurobiology, 2022, 210, 102215.	2.8	12
4	Why don't ventricles dilate in pseudotumor cerebri? A circuit model of the cerebral windkessel. Journal of Neurosurgery: Pediatrics, 2022, 29, 719-726.	0.8	1
5	Fusion of Probability Density Functions. Proceedings of the IEEE, 2022, 110, 404-453.	16.4	24
6	Unsupervised Clustering and Analysis of Contraction-Dependent Fetal Heart Rate Segments. , 2022, , .		2
7	Bayesian Reconstruction of Fourier Pairs. IEEE Transactions on Signal Processing, 2021, 69, 73-87.	3.2	5
8	Near-Field Tracking With Large Antenna Arrays: Fundamental Limits and Practical Algorithms. IEEE Transactions on Signal Processing, 2021, 69, 5723-5738.	3.2	35
9	Gaussian Process State-Space Models with Time-Varying Parameters and Inducing Points. , 2021, 2020, 1462-1466.		3
10	Bachelor of Science in Electrical Engineering Online: A Journey of Challenges and Triumphs. IEEE Signal Processing Magazine, 2021, 38, 115-121.	4.6	2
11	Performance Limits of Direct Wideband Coherent 3D Localization in Distributed Massive MIMO Systems. Sensors, 2021, 21, 3401.	2.1	1
12	Identification of Uterine Contractions by An Ensemble of Gaussian Processes. , 2021, 2021, .		2
13	Systemic Risk Modeling with Lévy Copulas. Journal of Risk and Financial Management, 2021, 14, 251.	1.1	2
14	Adaptive Importance Sampling Via Auto-Regressive Generative Models and Gaussian Processes. , 2021, 2021, 5584-5588.		0
15	Class-Imbalanced Classifiers Using Ensembles of Gaussian Processes And Gaussian Process Latent Variable Models. , 2021, 2021, .		2
16	Exploiting Causality for Improved Prediction of Patient Volumes by Gaussian Processes. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2487-2496.	3.9	2
17	Estimation of Consecutively Missed Samples in Fetal Heart Rate Recordings. , 2021, 2020, 1080-1084.		5
18	On the performance of particle filters with adaptive number of particles. Statistics and Computing, 2021, 31, 1.	0.8	10

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19	Electrocorticography reveals thalamic control of cortical dynamics following traumatic brain injury. Communications Biology, 2021, 4, 1210.	2.0	17
20	Multi-Agent Q-Learning in UAV Networks for Target Detection and Indoor Mapping. , 2021, , .		5
21	3D Source Tracking with Large Antenna Arrays in the Fresnel Region. , 2021, , .		0
22	Unsupervised Detection of Anomalies in Fetal Heart Rate Tracings using Phase Space Reconstruction. , 2021, 2021, 1321-1325.		2
23	Bayesian Nonparametric Dimensionality Reduction of Categorical Data for Predicting Severity of COVID-19 in Pregnant Women. , 2021, 2021, 1980-1984.		4
24	Spectrum Patrolling With Crowdsourced Spectrum Sensors. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 271-281.	4.9	4
25	Dynamic Radar Network of UAVs: A Joint Navigation and Tracking Approach. IEEE Access, 2020, 8, 116454-116469.	2.6	23
26	On Measuring Doppler Shifts between Tags in a Backscattering Tag-to-Tag Network with Applications in Tracking. , 2020, , .		3
27	Dynamic Radar Networks of UAVs: A Tutorial Overview and Tracking Performance Comparison With Terrestrial Radar Networks. IEEE Vehicular Technology Magazine, 2020, 15, 113-120.	2.8	31
28	Discovering Causalities from Cardiotocography Signals using Improved Convergent Cross Mapping with Gaussian Processes. , 2020, 2020, 1309-1313.		6
29	A Recursive Bayesian Solution for the Excess Over Threshold Distribution with Stochastic Parameters. , 2020, , .		0
30	Improving Convergent Cross Mapping for Causal Discovery with Gaussian Processes. , 2020, , .		5
31	Enhanced Mixture Population Monte Carlo Via Stochastic Optimization and Markov Chain Monte Carlo Sampling. , 2020, , .		0
32	A Variational Adaptive Population Importance Sampler. , 2019, , .		6
33	Inference about Causality from Cardiotocography Signals Using Gaussian Processes. , 2019, 2019, 2852-2856.		4
34	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.	4.6	0
35	On Self-assessment of Proficiency of Autonomous Systems. , 2019, , .		2
36	A Recursive Bayesian Model for Extreme Values. , 2019, , .		2

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37	Innovation Starts With Education: ICASSP 2019 Education Panel [SP Forum]. IEEE Signal Processing Magazine, 2019, 36, 135-147.	4.6	2
38	Modeling and Estimation of Interactions of Yule-Simon Processes. , 2019, , .		0
39	Recursive Estimation of Dynamic RSS Fields Based on Crowdsourcing and Gaussian Processes. IEEE Transactions on Signal Processing, 2019, 67, 1152-1162.	3.2	8
40	Detecting Causality using Deep Gaussian Processes. , 2019, 2019, 472-476.		1
41	Adaptive importance sampling supported by a variational auto-encoder. , 2019, , .		2
42	Extracting Interpretable Features for Fetal Heart Rate Recordings with Gaussian Processes. , 2019, 2019, 381-385.		2
43	Elucidating the Auxiliary Particle Filter via Multiple Importance Sampling [Lecture Notes]. IEEE Signal Processing Magazine, 2019, 36, 145-152.	4.6	26
44	Direct Wideband Coherent Localization by Distributed Antenna Arrays. Sensors, 2019, 19, 4582.	2.1	10
45	Cardinality-Consensus-Based PHD Filtering for Distributed Multitarget Tracking. IEEE Signal Processing Letters, 2019, 26, 49-53.	2.1	36
46	Graph representation using mutual information for graph model discrimination. , 2018, , .		0
47	Joint Indoor Localization and Navigation of UAVs for Network Formation Control. , 2018, , .		6
48	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.	1.0	13
49	Spectrum Patrolling with Crowdsourced Spectrum Sensors. , 2018, , .		16
50	Supervised and Unsupervised Learning of Fetal Heart Rate Tracings with Deep Gaussian Processes. , 2018, , .		19
51	In Search for Improved Auxiliary Particle Filters. , 2018, , .		13
52	Improved Adaptive Importance Sampling Based on Variational Inference. , 2018, , .		3
53	Estimation Of Spatial Fields Of Nlos/Los Conditions For Improved Localization In Indoor Environments. , 2018, , .		2
54	Tracking of Objects in a Passive Backscattering Tag-to-Tag Network. , 2018, , .		1

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55	Crowd-Based Learning of Spatial Fields for the Internet of Things: From Harvesting of Data to Inference. IEEE Signal Processing Magazine, 2018, 35, 130-139.	4.6	24
56	Collaborative Target-Localization and Information-Based Control in Networks of UAVs. , 2018, , .		6
57	Distributed Kalman and Particle Filtering. , 2018, , 169-207.		5
58	Leveraging RF Power for Intelligent Tag Networks. , 2018, , .		6
59	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.	3.2	32
60	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.	3.2	46
61	Enhanced indoor localization through crowd sensing. , 2017, , .		5
62	Adaptive Importance Sampling: The past, the present, and the future. IEEE Signal Processing Magazine, 2017, 34, 60-79.	4.6	160
63	Design of a backscatter-based Tag-to-Tag system. , 2017, , .		30
64	Fetal heart rate classification by non-parametric Bayesian methods. , 2017, 2017, 876-880.		4
65	Sequential Estimation of Hidden ARMA Processes by Particle Filtering—Part I. IEEE Transactions on Signal Processing, 2017, 65, 482-493.	3.2	10
66	Sequential Estimation of Hidden ARMA Processes by Particle Filtering—Part II. IEEE Transactions on Signal Processing, 2017, 65, 494-504.	3.2	6
67	Recovery of missing samples in fetal heart rate recordings with Gaussian processes. , 2017, , .		15
68	Analysis of fetal heart rate series by nonparametric hidden Markov models. , 2017, , .		0
69	A particle-based approach for topology estimation of gene networks. , 2017, , .		3
70	Crowdsource-based signal strength field estimation by Gaussian processes. , 2017, , .		3
71	Bayesian learning in a network with multi-hypothesis decision exchanges. , 2017, , .		0
72	Multiple particle filtering for inference in the presence of state correlation of unknown mixing parameters. , 2017, , .		2

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73	Nonparametric learning for Hidden Markov Models with preferential attachment dynamics. , 2017, , .		5
74	Bayesian selection of models of network formation. , 2017, , .		0
75	Sequential Monte Carlo for inference of latent ARMA time-series with innovations correlated in time. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	1
76	Recursive estimation of time-varying RSS fields based on crowdsourcing and Gaussian processes. , 2017, , .		1
77	Diffusion in networks by cooperative particle filtering. , 2017, , .		1
78	Dynamic classification of fetal heart rates by hierarchical Dirichlet process mixture models. PLoS ONE, 2017, 12, e0185417.	1.1	6
79	Bayesian estimation of unknown parameters over networks. , 2016, , .		2
80	Dirichlet process mixture models for time-dependent clustering. , 2016, , .		1
81	Online adaptation of the number of particles of SMC methods. , 2016, , .		0
82	Sequential estimation and diffusion of information over networks. , 2016, , .		0
83	Analog front end design for tags in backscatter-based tag-to-tag communication networks. , 2016, , .		4
84	Fetal heart rate analysis by hierarchical dirichlet process mixture models. , 2016, , .		5
85	A novel algorithm for adapting the number of particles in particle filtering. , 2016, , .		2
86	Opinion dynamics in multi-agent systems with binary decision exchanges. , 2016, , .		1
87	Sequential Monte Carlo methods under model uncertainty. , 2016, , .		27
88	Sequential Monte Carlo sampling for correlated latent long-memory time-series. , 2016, , .		1
89	Phase Cancellation in Backscatter-Based Tag-to-Tag Communication Systems. IEEE Internet of Things Journal, 2016, 3, 959-970.	5.5	34
90	Distributed Bayesian Estimation of Linear Models With Unknown Observation Covariances. IEEE Transactions on Signal Processing, 2016, 64, 1962-1971.	3.2	14

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91	Diffusion filtration with approximate Bayesian computation. , 2015, , .		5
92	Estimation of gene expression by a bank of particle filters. , 2015, , .		4
93	Guest Editorial Special Section on "Indoor Localization, Tracking, and Mapping With Heterogeneous Technologies". IEEE Transactions on Vehicular Technology, 2015, 64, 1261-1262.	3.9	1
94	Multiple particle filtering with improved efficiency and performance. , 2015, , .		10
95	Particle filtering of ARMA processes of unknown order and parameters. , 2015, , .		2
96	Filtering of nonlinear time-series coupled by fractional Gaussian processes. , 2015, , .		1
97	On generative models for sequential formation of clusters. , 2015, , .		2
98	Bayesian social learning with decision making in multiple rounds. , 2015, , .		0
99	On optimal mobile RSSI-sensor positioning for multi target tracking. , 2015, , .		1
100	Sequential Monte Carlo sampling for systems with fractional Gaussian processes. , 2015, , .		4
101	Indoor Tracking: Theory, Methods, and Technologies. IEEE Transactions on Vehicular Technology, 2015, 64, 1263-1278.	3.9	476
102	Social learning with heterogeneous agents and sequential decision making. , 2015, 47, 17-24.		2
103	Social Learning With Bayesian Agents and Random Decision Making. IEEE Transactions on Signal Processing, 2015, 63, 3241-3250.	3.2	20
104	Proximity Detection with RFID: A Step Toward the Internet of Things. IEEE Pervasive Computing, 2015, 14, 70-76.	1.1	66
105	Resampling Methods for Particle Filtering: Classification, implementation, and strategies. IEEE Signal Processing Magazine, 2015, 32, 70-86.	4.6	435
106	Distributed Sequential Estimation in Asynchronous Wireless Sensor Networks. IEEE Signal Processing Letters, 2015, 22, 1965-1969.	2.1	23
107	Real-time self-tracking in the Internet of Things. , 2015, , .		0
108	Unsupervised State-Space Modeling Using Reproducing Kernels. IEEE Transactions on Signal Processing, 2015, 63, 5210-5221.	3.2	19

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109	RSSI-Based Multi-Target Tracking by Cooperative Agents Using Fusion of Cross-Target Information. IEEE Transactions on Signal Processing, 2015, 63, 5033-5044.	3.2	41
110	Vehicle Tracking Based on Fusion of Magnetometer and Accelerometer Sensor Measurements With Particle Filtering. IEEE Transactions on Vehicular Technology, 2015, 64, 4917-4928.	3.9	29
111	Bayesian social learning in linear networks of agents with random behavior. , 2015, , .		0
112	Detectors for Cooperative Mesh Networks With Decode-and-Forward Relays. IEEE Transactions on Signal Processing, 2015, 63, 5-17.	3.2	2
113	Sequential Estimation of Mixtures in Diffusion Networks. IEEE Signal Processing Letters, 2015, 22, 197-201.	2.1	17
114	Estimation of ARMA state processes by particle filtering. , 2014, , .		3
115	Distributed Bayesian learning with a Bernoulli model. , 2014, , .		0
116	Efficient Estimation of Linear Parameters from Correlated Node Measurements over Networks. IEEE Signal Processing Letters, 2014, 21, 1408-1412.	2.1	4
117	Efficient learning by consensus over regular networks. , 2014, , .		1
118	Proximity detection with RFID in the Internet of Things. , 2014, , .		3
119	Particle filtering in high-dimensional systems with Gaussian approximations. , 2014, , .		8
120	Analysis of the cross-target measurement fusion likelihood for RSSI-based sensors. , 2014, , .		2
121	Sequential Bayesian learning in linear networks with random decision making. , 2014, , .		4
122	Cooperative mesh networks with EGC detectors. , 2014, , .		1
123	Gaussian particle filtering in high-dimensional systems. , 2014, , .		5
124	Fetal Heart Rate Classification Using Generative Models. IEEE Transactions on Biomedical Engineering, 2014, 61, 2796-2805.	2.5	38
125	A search-free DOA estimation algorithm for coprime arrays. , 2014, 24, 27-33.		70
126	Indoor Tracking With RFID Systems. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 96-105.	7.3	24

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127	Distributed particle filtering in agent networks: A survey, classification, and comparison. IEEE Signal Processing Magazine, 2013, 30, 61-81.	4.6	208
128	Indoor Localization With Range-Based Measurements and Little Prior Information. IEEE Sensors Journal, 2013, 13, 1979-1987.	2.4	20
129	Particle filtering for high-dimensional systems. , 2013, , .		21
130	On the convergence of two sequential Monte Carlo methods for maximum a posteriori sequence estimation and stochastic global optimization. Statistics and Computing, 2013, 23, 91-107.	0.8	25
131	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.	7.3	13
132	The Augmented Complex Particle Filter. IEEE Transactions on Signal Processing, 2013, 61, 4341-4346.	3.2	10
133	Novel Semi-Passive RFID System for Indoor Localization. IEEE Sensors Journal, 2013, 13, 528-537.	2.4	72
134	Models with products of Dirichlet processes. , 2013, , .		0
135	Tracking with RFID asynchronous measurements by particle filtering. , 2013, , .		1
136	Reaching Bayesian belief Over networks in the presence of communication noise. , 2013, , .		2
137	Replication and optimization of hedge fund risk factor exposures. , 2013, , .		7
138	Data fusion based on convex optimization. , 2013, , .		2
139	Estimation of multimodal posterior distributions of chirp parameters with population Monte Carlo sampling. , 2012, , .		3
140	Likelihood consensus-based distributed particle filtering with distributed proposal density adaptation. , 2012, , .		13
141	A Particle Filtering Scheme for Processing Time Series Corrupted by Outliers. IEEE Transactions on Signal Processing, 2012, 60, 4611-4627.	3.2	32
142	Target tracking with asynchronous measurements by a network of distributed mobile agents. , 2012, , .		20
143	Learning dependencies among fetal heart rate features using Bayesian networks. , 2012, 2012, 6204-7.		5
144	Reaching consensus on a binary state by exchanging binary actions. , 2012, , .		8

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145	Particle Filtering of Stochastic Volatility Modeled With Leverage. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 327-336.	7.3	14
146	Likelihood Consensus and Its Application to Distributed Particle Filtering. IEEE Transactions on Signal Processing, 2012, 60, 4334-4349.	3.2	162
147	Classification of multivariate data using Dirichlet process mixture models. , 2012, , .		0
148	Estimating hedge fund risk factor exposures. , 2012, , .		1
149	Estimation of posterior distributions with population Monte Carlo sampling and graphical modeling. , 2012, , .		0
150	Particle filtering for multivariate state-space models. , 2012, , .		1
151	Distributed Bayesian learning in multiagent systems: Improving our understanding of its capabilities and limitations. IEEE Signal Processing Magazine, 2012, 29, 65-76.	4.6	55
152	Classification of fetal heart rate series. , 2012, , .		1
153	Particle filtering for indoor RFID tag tracking. , 2011, , .		17
154	Estimation of predictive loss distributions by particle filtering. , 2011, , .		2
155	Non-centralized target tracking in networks of directional sensors: Further advances. , 2011, , .		0
156	Evolution of social belief in multiagent systems. , 2011, , .		2
157	The Science Behind Risk Management. IEEE Signal Processing Magazine, 2011, 28, 26-36.	4.6	11
158	Distributed Gaussian particle filtering using likelihood consensus. , 2011, , .		39
159	Non-centralized target tracking in networks of directional sensors. , 2011, , .		7
160	Implementation of NICHD diagnostic criteria for feature extraction and classification of fetal heart rate signals. , 2011, , .		4
161	A stochastic compartmental approach to modeling and simulation of cancer spheroid formation and evolution. , 2011, , .		1
162	Non-centralized target tracking with mobile agents. , 2011, , .		17

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163	Sequential likelihood consensus and its application to distributed particle filtering with reduced communications and latency. , 2011, , .		4
164	A Radio Frequency Identification System for accurate indoor localization. , 2011, , .		27
165	Efficient distributed resampling for particle filters. , 2011, , .		14
166	On Localized Techniques for Detection of Voltage Stability Related Problems. , 2011, , .		2
167	Systems Biology Approach to Imaging of Neural Stem Cells. Methods in Molecular Biology, 2011, 711, 421-434.	0.4	10
168	Study of Algorithmic and Architectural Characteristics of Gaussian Particle Filters. Journal of Signal Processing Systems, 2010, 61, 205-218.	1.4	10
169	Joint Model Selection and Parameter Estimation by Population Monte Carlo Simulation. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 526-539.	7.3	23
170	Evaluation of a method's robustness. , 2010, , .		1
171	Likelihood consensus: Principles and application to distributed particle filtering. , 2010, , .		21
172	Adaptive systems of particle filters. , 2010, , .		3
173	Assessment of Nonlinear Dynamic Models by Kolmogorov–Smirnov Statistics. IEEE Transactions on Signal Processing, 2010, 58, 5069-5079.	3.2	27
174	A stochastic model of proliferation of cancer stem cells and its estimation by particle filtering. , 2010, , .		0
175	Target tracking by symbiotic particle filtering. , 2010, , .		10
176	Sequential Monte Carlo Optimization Using Artificial State-Space Models. , 2009, , .		0
177	Measuring the robustness of sequential methods. , 2009, , .		2
178	Assessing robustness of particle filtering by the Kolmogorov-Smirnov statistics. , 2009, , .		1
179	Marginalized population Monte Carlo. , 2009, , .		9
180	Data-driven online variational filtering in wireless sensor networks. , 2009, , .		0

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181	Model assessment with Kolmogorov-Smirnov statistics. , 2009, , .		8
182	Improved target tracking with particle filtering. , 2009, , .		3
183	Stochastic modeling of second order reactions using a moment propagation method. , 2009, , .		1
184	Sensor self-localization with beacon position uncertainty. Signal Processing, 2009, 89, 1144-1154.	2.1	42
185	Time-space-sequential distributed particle filtering with low-rate communications. , 2009, , .		13
186	Cooperative relay communications in mesh networks. , 2009, , .		1
187	Particle filtering in the presence of outliers. , 2009, , .		6
188	A stochastic approach to studying biochemical reactions without Monte Carlo simulations. , 2009, , .		0
189	Cost-Reference Particle Filters and Fusion of Information. , 2009, , .		0
190	Welcome from the program co-chairs. , 2009, , .		0
191	Transcriptional profiling of putative human epithelial stem cells. BMC Genomics, 2008, 9, 359.	1.2	15
192	Target Tracking by Particle Filtering in Binary Sensor Networks. IEEE Transactions on Signal Processing, 2008, 56, 2229-2238.	3.2	153
193	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
194	On new stochastic approaches for solving forward and backward problems of biochemical networks. , 2008, , .		0
195	Complex systems and particle filtering. , 2008, , .		6
196	Response to Comments on "Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain". Science, 2008, 321, 640-640.	6.0	11
197	Target tracking with mobile sensors using cost-reference particle filtering. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
198	RLS-assisted cost reference particle filtering. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0

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199	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
200	Target Tracking By A New Class Of Cost-Reference Particle Filters. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	1
201	Tracking with Biased Measurements of Signal Strength Sensors. , 2007, , .		2
202	Sequential Estimation by Combined cost-Reference Particle and Kalman Filtering. , 2007, , .		1
203	Simplified Marginalized Particle Filtering for Tracking Multimodal Posteriors. , 2007, , .		3
204	Particle Filtering for Target Tracking with Mobile Sensors. , 2007, , .		10
205	Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain. Science, 2007, 318, 980-985.	6.0	422
206	Target Tracking by Multiple Particle Filtering. , 2007, , .		38
207	Particle Filtering-Based Target Tracking in Binary Sensor Networks Using Adaptive Thresholds. , 2007, , .		7
208	A New Approach to Cost-Reference Particle Filtering. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
209	Design Methodology for Domain Specific Parameterizable Particle Filter Realizations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2007, 54, 1987-2000.	3.5	12
210	Learning by Simplified Cost-Reference Particle Filtering using Biased Data. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	0
211	Bearings-Only Tracking with Biased Measurements. , 2007, , .		4
212	Performance Comparison of Gaussian-Based Filters Using Information Measures. IEEE Signal Processing Letters, 2007, 14, 1020-1023.	2.1	20
213	Multiple Particle Filtering. , 2007, , .		65
214	Performance comparison of EKF and particle filtering methods for maneuvering targets. , 2007, 17, 774-786.		51
215	Target tracking by fusion of random measures. Signal, Image and Video Processing, 2007, 1, 149-161.	1.7	7
216	Fusion of Information for Sensor Self-Localization by a Monte Carlo Method. , 2006, , .		2

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217	Design and Implementation of Flexible Resampling Mechanism for High-Speed Parallel Particle Filters. Journal of Signal Processing Systems, 2006, 44, 47-62.	1.0	19
218	Bearings-Only Tracking Based on Multiple Sensor Measurements and Generalized Particle Filtering. , 2006, , .		0
219	Packet Combining Over Rayleigh Channels using Signal-to-Noise Ratio Information and Detection by the Maximum A-Posteriori Criterion. , 2006, , .		1
220	Cost-Reference Particle Filtering for Dynamic Systems with Nonlinear and Conditionally Linear States. , 2006, , .		2
221	Simplifying Physical Realization of Gaussian Particle Filters with Block-Level Pipeline Control. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	6
222	Generic Hardware Architectures for Sampling and Resampling in Particle Filters. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	40
223	Adaptive Blind Multiuser Detection over Flat Fast Fading Channels Using Particle Filtering. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	1.5	9
224	A general method for the computation of probabilities in systems of first order chemical reactions. Journal of Chemical Physics, 2005, 122, 104101.	1.2	9
225	Comment on â€œStiffness in stochastic chemically reacting systems: The implicit tau-leaping methodâ€•[J. Chem. Phys. 119, 12784 (2003)]. Journal of Chemical Physics, 2004, 121, 3347-3348.	1.2	43
226	Blind sequential detection for Rayleigh fading channels using hybrid Monte Carlo-recursive identification algorithms. Signal Processing, 2004, 84, 825-832.	2.1	2
227	A sequential Monte Carlo technique for blind synchronization and detection in frequency-flat Rayleigh fading wireless channels. Signal Processing, 2004, 84, 2081-2096.	2.1	6
228	Blind equalization for time-varying channels and multiple samples processing using particle filtering. , 2004, 14, 312-331.		11
229	Resampling Algorithms for Particle Filters: A Computational Complexity Perspective. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	157
230	A New Class of Particle Filters for Random Dynamic Systems with Unknown Statistics. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	75
231	Image segmentation approach to extract colon lumen through colonic material tagging and hidden Markov random field model for virtual colonoscopy. , 2002, 4683, 406.		28
232	Variable Selection by Perfect Sampling. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.0	6
233	Sequential Parameter Estimation of Time-Varying Non-Gaussian Autoregressive Processes. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.0	15
234	Sequential particle filtering in the presence of additive Gaussian noise with unknown parameters. , 2002, , .		16

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235	Classification of Digital Modulations Using MCMC Methods. Monte Carlo Methods and Applications, 2001, 7, .	0.3	0
236	Multibeam cellular communication systems with dynamic channel assignment across multiple sectors. Wireless Networks, 1999, 5, 267-278.	2.0	9
237	<title>Reversible jump algorithm for analysis of gamma mixtures</title>. , 1998, , .		1
238	A novel approach to detection of closely spaced sinusoids. Signal Processing, 1996, 51, 93-104.	2.1	5
239	An iterative MMSE procedure for parameter estimation of damped sinusoidal signals. Signal Processing, 1996, 51, 105-120.	2.1	11
240	Tracking with particle filtering in tertiary wireless sensor networks. , 0, , .		14
241	Joint Estimation of States and Transition Functions of Dynamic Systems Using Cost-Reference Particle Filtering. , 0, , .		1