Pramod K Varshney

List of Publications by Citations

260 papers	5,392 citations	36 h-index	63 g-index
284 ext. papers	6,899 ext. citations	4.8 avg, IF	6.41 L-index

#	Paper	IF	Citations
260	Distributed Detection and Data Fusion **1997**,		561
259	Collaborative Spectrum Sensing in the Presence of Byzantine Attacks in Cognitive Radio Networks. *IEEE Transactions on Signal Processing*, **2011**, 59, 774-786	4.8	238
258	An Acknowledgment-Based Approach for the Detection of Routing Misbehavior in MANETs. *IEEE Transactions on Mobile Computing*, **2007**, 6, 536-550	4.6	214
257	Target Location Estimation in Sensor Networks With Quantized Data. *IEEE Transactions on Signal Processing*, **2006**, 54, 4519-4528	4.8	153
256	. *IEEE Transactions on Aerospace and Electronic Systems*, **2012**, 48, 1466-1489	3.7	121
255	Performance Analysis of Distributed Detection in a Random Sensor Field. *IEEE Transactions on Signal Processing*, **2008**, 56, 339-349	4.8	104
254	Theory of the Stochastic Resonance Effect in Signal Detection Part II: Variable Detectors. *IEEE Transactions on Signal Processing*, **2008**, 56, 5031-5041	4.8	101
253	Distributed Detection and Fusion in a Large Wireless Sensor Network of Random Size. *Eurasip Journal on Wireless Communications and Networking*, **2005**, 2005, 1	3.2	97
252	Sensor Selection for Estimation with Correlated Measurement Noise. *IEEE Transactions on Signal Processing*, **2016**, 64, 3509-3522	4.8	88
251	Distributed detection in a large wireless sensor network. *Information Fusion*, **2006**, 7, 380-394	16.7	87
250	Distributed Inference with Byzantine Data: State-of-the-Art Review on Data Falsification Attacks. *IEEE Signal Processing Magazine*, **2013**, 30, 65-75	9.4	86
249	Scheduling Sleeping Nodes in High Density Cluster-based Sensor Networks. *Mobile Networks and Applications*, **2005**, 10, 825-835	2.9	85
248	Sensor Selection Based on Generalized Information Gain for Target Tracking in Large Sensor Networks. *IEEE Transactions on Signal Processing*, **2014**, 62, 363-375	4.8	84
247	Conditional Posterior Cramer-Rao Lower Bounds for Nonlinear Sequential Bayesian Estimation. *IEEE Transactions on Signal Processing*, **2011**, 59, 1-14	4.8	83
246	Distributed Bayesian Detection in the Presence of Byzantine Data. *IEEE Transactions on Signal Processing*, **2015**, 63, 5250-5263	4.8	80
245	Energy Aware Iterative Source Localization for Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2010**, 58, 4824-4835	4.8	80
244	Distributed inference in wireless sensor networks. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2012**, 370, 100-17	3	74

243	Localization in Wireless Sensor Networks: Byzantines and Mitigation Techniques. *IEEE Transactions on Signal Processing*, **2013**, 61, 1495-1508	4.8	73
242	Channel Aware Target Localization With Quantized Data in Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2009**, 57, 1190-1202	4.8	70
241	A Parametric Copula-Based Framework for Hypothesis Testing Using Heterogeneous Data. *IEEE Transactions on Signal Processing*, **2011**, 59, 2308-2319	4.8	57
240	Micro-Doppler Parameter Estimation via Parametric Sparse Representation and Pruned Orthogonal Matching Pursuit. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2014**, 7, 4937-4948	4.7	55
239	Distributed Detection in Tree Topologies With Byzantines. *IEEE Transactions on Signal Processing*, **2014**, 62, 3208-3219	4.8	54
238	An Image Fusion Approach Based on Markov Random Fields. *IEEE Transactions on Geoscience and Remote Sensing*, **2011**, 49, 5116-5127	8.1	53
237	. *IEEE Transactions on Aerospace and Electronic Systems*, **2011**, 47, 454-471	3.7	49
236	Tracking in Wireless Sensor Networks Using Particle Filtering: Physical Layer Considerations. *IEEE Transactions on Signal Processing*, **2009**, 57, 1987-1999	4.8	49
235	Optimal Transmission Range for Wireless Ad Hoc Networks Based on Energy Efficiency. *IEEE Transactions on Communications*, **2007**, 55, 1772-1782	6.9	49
234	Dynamic Bit Allocation for Object Tracking in Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2012**, 60, 5048-5063	4.8	48
233	Received-Signal-Strength-Based Localization in Wireless Sensor Networks. *Proceedings of the IEEE*, **2018**, 106, 1166-1182	14.3	47
232	Data Falsification Attacks on Consensus-Based Detection Systems. *IEEE Transactions on Signal and Information Processing Over Networks*, **2017**, 3, 145-158	2.8	47
231	Noise Enhanced Parameter Estimation. *IEEE Transactions on Signal Processing*, **2008**, 56, 5074-5081	4.8	46
230	A New Framework for Distributed Detection With Conditionally Dependent Observations. *IEEE Transactions on Signal Processing*, **2012**, 60, 1409-1419	4.8	43
229	Posterior Crlb Based Sensor Selection for Target Tracking in Sensor Networks **2007**,		38
228	Sensor Selection for Target Tracking in Wireless Sensor Networks With Uncertainty. *IEEE Transactions on Signal Processing*, **2016**, 64, 5191-5204	4.8	36
227	Reliable Crowdsourcing for Multi-Class Labeling Using Coding Theory. *IEEE Journal on Selected Topics in Signal Processing*, **2014**, 8, 667-679	7.5	36
226	Distributed detection of a nuclear radioactive source using fusion of correlated decisions **2007**,		36

207	Linear Coherent Estimation With Spatial Collaboration. *IEEE Transactions on Information Theory*, **2013**, 59, 3532-3553	2.8	25
206	Location Estimation of a Random Signal Source Based on Correlated Sensor Observations. *IEEE Transactions on Signal Processing*, **2011**, 59, 787-799	4.8	25
205	A sensor selection approach for target tracking in sensor networks with quantized measurements. *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**,	1.6	25
204	Optimal Power Allocation for Full-Duplex Underwater Relay Networks With Energy Harvesting: A Reinforcement Learning Approach. *IEEE Wireless Communications Letters*, **2020**, 9, 223-227	5.9	25
203	Energy-Aware Sensor Selection in Field Reconstruction. *IEEE Signal Processing Letters*, **2014**, 21, 1476-1480	3.2	24
202	FusionNet: An Unsupervised Convolutional Variational Network for Hyperspectral and Multispectral Image Fusion. *IEEE Transactions on Image Processing*, **2020**, 29, 7565-7577	8.7	24
201	Autonomous Fall Detection With Wearable Cameras by Using Relative Entropy Distance Measure. *IEEE Transactions on Human-Machine Systems*, **2016**, 1-9	4.1	24
200	. *IEEE Transactions on Aerospace and Electronic Systems*, **2014**, 50, 2664-2678	3.7	23
199	Distributed Inference With M-Ary Quantized Data in the Presence of Byzantine Attacks. *IEEE Transactions on Signal Processing*, **2014**, 62, 2681-2695	4.8	23
198	Subspace-Based Cooperative Spectrum Sensing for Cognitive Radios. *IEEE Sensors Journal*, **2011**, 11, 611-620	4	23
197	Polarity-Coincidence-Array Based Spectrum Sensing for Multiple Antenna Cognitive Radios in the Presence of Non-Gaussian Noise. *IEEE Transactions on Wireless Communications*, **2011**, 10, 2362-2371	9.6	23
196	Joint Detection and Localization in Sensor Networks Based on Local Decisions **2006**,		23
195	Asynchronous Linear Modulation Classification With Multiple Sensors via Generalized EM Algorithm. *IEEE Transactions on Wireless Communications*, **2015**, 14, 6389-6400	9.6	22
194	Decentralized Gaussian Filters for Cooperative Self-Localization and Multi-Target Tracking. *IEEE Transactions on Signal Processing*, **2019**, 67, 5896-5911	4.8	22
193	. *IEEE Transactions on Wireless Communications*, **2016**, 15, 8093-8106	9.6	22
192	Compressive Sensing Based Probabilistic Sensor Management for Target Tracking in Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2015**, 63, 6049-6060	4.8	21
191	Collaborative Compressive Detection With Physical Layer Secrecy Constraints. *IEEE Transactions on Signal Processing*, **2017**, 65, 1013-1025	4.8	21
190	Distributed Detection in Tree Networks: Byzantines and Mitigation Techniques. *IEEE Transactions on Information Forensics and Security*, **2015**, 10, 1499-1512	8	20

189	Nonparametric One-Bit Quantizers for Distributed Estimation. *IEEE Transactions on Signal Processing*, **2010**, 58, 3777-3787	4.8	20
188	Target Tracking via Crowdsourcing: A Mechanism Design Approach. *IEEE Transactions on Signal Processing*, **2015**, 63, 1464-1476	4.8	19
187	Wireless Compressive Sensing Over Fading Channels With Distributed Sparse Random Projections. *IEEE Transactions on Signal and Information Processing Over Networks*, **2015**, 1, 33-44	2.8	19
186	Assuring privacy and reliability in crowdsourcing with coding **2014**,		19
185	A market based dynamic bit allocation scheme for target tracking in wireless sensor networks **2013**,		19
184	Distributed Maximum Likelihood Classification of Linear Modulations Over Nonidentical Flat Block-Fading Gaussian Channels. *IEEE Transactions on Wireless Communications*, **2015**, 14, 724-737	9.6	18
183	Performance Bounds for Sparsity Pattern Recovery With Quantized Noisy Random Projections. *IEEE Journal on Selected Topics in Signal Processing*, **2012**, 6, 43-57	7.5	18
182	Cooperative sparsity pattern recovery in distributed networks via distributed-OMP **2013**,		18
181	Performance Analysis and Code Design for Minimum Hamming Distance Fusion in Wireless Sensor Networks. *IEEE Transactions on Information Theory*, **2007**, 53, 1716-1734	2.8	18
180	On Quantizer Design for Distributed Bayesian Estimation in Sensor Networks. *IEEE Transactions on Signal Processing*, **2014**, 62, 5359-5369	4.8	17
179	Sparsity-aware field estimation via ordinary Kriging **2014**,		17
178	A Subspace Method for Fourier-Based Image Registration. *IEEE Geoscience and Remote Sensing Letters*, **2009**, 6, 491-494	4.1	17
177	Distributed Detection in Massive MIMO Wireless Sensor Networks Under Perfect and Imperfect CSI. *IEEE Transactions on Signal Processing*, **2019**, 67, 4055-4068	4.8	16
176	Fusing Censored Dependent Data for Distributed Detection. *IEEE Transactions on Signal Processing*, **2015**, 63, 4385-4395	4.8	16
175	Further Results on the Optimality of the Likelihood-Ratio Test for Local Sensor Decision Rules in the Presence of Nonideal Channels. *IEEE Transactions on Information Theory*, **2009**, 55, 828-832	2.8	16
174	Optimized Sensor Collaboration for Estimation of Temporally Correlated Parameters. *IEEE Transactions on Signal Processing*, **2016**, 64, 6613-6626	4.8	16
173	K-Medoids Clustering of Data Sequences With Composite Distributions. *IEEE Transactions on Signal Processing*, **2019**, 67, 2093-2106	4.8	15
172	A Memristor-Based Optimization Framework for Artificial Intelligence Applications. *IEEE Circuits and Systems Magazine*, **2018**, 18, 29-44	3.2	15

171	Optimal Byzantine attacks on distributed detection in tree-based topologies **2013**,		15
170	. *IEEE Transactions on Signal Processing*, **2017**, 65, 1068-1081	4.8	14
169	Optimal Spectrum Auction Design With 2-D Truthful Revelations Under Uncertain Spectrum Availability. *IEEE/ACM Transactions on Networking*, **2017**, 25, 420-433	3.8	14
168	Copula Based Classifier Fusion Under Statistical Dependence. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2018**, 40, 2740-2748	13.3	14
167	Permutation Trellis Coded Multi-Level FSK Signaling to Mitigate Primary User Interference in Cognitive Radio Networks. *IEEE Transactions on Communications*, **2016**, 64, 104-116	6.9	14
166	Detection of Sparse Signals in Sensor Networks via Locally Most Powerful Tests. *IEEE Signal Processing Letters*, **2018**, 25, 1418-1422	3.2	14
165	Secure distributed detection in the presence of eavesdroppers **2010**,		14
164	Ziv‐Zakai Bounds on Image Registration. *IEEE Transactions on Signal Processing*, **2009**, 57, 1745-1755	4.8	14
163	Communication Network Topology Inference via Transfer Entropy. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 562-575	4.9	14
162	Abnormality Detection Inside Blood Vessels With Mobile Nanomachines. *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*, **2018**, 4, 189-194	2.3	14
161	Collaborative spectrum sensing in the presence of Byzantine attacks in Cognitive Radio Networks **2010**,		13
160	Improving Sequential Detection Performance Via Stochastic Resonance. *IEEE Signal Processing Letters*, **2008**, 15, 685-688	3.2	13
159	. *IEEE Transactions on Signal Processing*, **2019**, 67, 2210-2220	4.8	12
158	Distributed Detection in Wireless Sensor Networks Using Dynamic Sensor Thresholds. *International Journal of Distributed Sensor Networks*, **2008**, 4, 4-11	1.7	12
157	On diffusive molecular communication with mobile nanomachines **2018**,		12
156	Resource Allocation and Outage Analysis for an Adaptive Cognitive Two-Way Relay Network. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4727-4737	9.6	11
155	Distributed Detection of Weak Signals From One-Bit Measurements Under Observation Model Uncertainties. *IEEE Signal Processing Letters*, **2019**, 26, 415-419	3.2	11
154	Impact of Intermediate Nanomachines in Multiple Cooperative Nanomachine-Assisted Diffusion Advection Mobile Molecular Communication. *IEEE Transactions on Communications*, **2019**, 67, 4856-4871	6.9	11

153	. *IEEE Transactions on Signal Processing*, **2018**, 66, 2960-2971	4.8	11
152	. *IEEE Transactions on Signal Processing*, **2018**, 66, 627-640	4.8	11
151	Mitigation of Byzantine Attacks on Distributed Detection Systems Using Audit Bits. *IEEE Transactions on Signal and Information Processing Over Networks*, **2018**, 4, 18-32	2.8	11
150	Performance analysis of stochastic signal detection with compressive measurements **2010**,		11
149	Towards the design of prospect-theory based human decision rules for hypothesis testing **2016**,		11
148	. *IEEE Wireless Communications Letters*, **2016**, 5, 420-423	5.9	10
147	Design of Binary Quantizers for Distributed Detection Under Secrecy Constraints. *IEEE Transactions on Signal Processing*, **2016**, 64, 2636-2648	4.8	10
146	Optimum Power Randomization for the Minimization of Outage Probability. *IEEE Transactions on Wireless Communications*, **2013**, 12, 4627-4637	9.6	10
145	Collaborative Human Decision Making With Random Local Thresholds. *IEEE Transactions on Signal Processing*, **2013**, 61, 2975-2989	4.8	10
144	On noise-enhanced distributed inference in the presence of Byzantines **2011**,		10
143	Adaptive local quantizer design for tracking in a wireless sensor network **2008**,		10
142	A Primer on Zeroth-Order Optimization in Signal Processing and Machine Learning: Principals, Recent Advances, and Applications. *IEEE Signal Processing Magazine*, **2020**, 37, 43-54	9.4	10
141	Optimal Sensor Collaboration for Parameter Tracking Using Energy Harvesting Sensors. *IEEE Transactions on Signal Processing*, **2018**, 66, 3339-3353	4.8	10
140	. *IEEE Signal Processing Letters*, **2018**, 25, 1191-1195	3.2	10
139	Fusion of Correlated Decisions Using Regular Vine Copulas. *IEEE Transactions on Signal Processing*, **2019**, 67, 2066-2079	4.8	9
138	A Coalitional Game for Distributed Inference in Sensor Networks With Dependent Observations. *IEEE Transactions on Signal Processing*, **2016**, 64, 1854-1866	4.8	9
137	. *IEEE Transactions on Signal Processing*, **2016**, 64, 556-566	4.8	9
136	Audit Bit Based Distributed Bayesian Detection in the Presence of Byzantines. *IEEE Transactions on Signal and Information Processing Over Networks*, **2018**, 4, 643-655	2.8	9

135	On covert data falsification attacks on distributed detection systems **2013**,		9
134	On Strategic Multi-Antenna Jamming in Centralized Detection Networks. *IEEE Signal Processing Letters*, **2017**, 24, 186-190	3.2	8
133	Local Threshold Design for Target Localization Using Error Correcting Codes in Wireless Sensor Networks in the Presence of Byzantine Attacks. *IEEE Transactions on Information Forensics and Security*, **2017**, 12, 1571-1584	8	8
132	Distributed Detection of Sparse Stochastic Signals With Quantized Measurements: The Generalized Gaussian Case. *IEEE Transactions on Signal Processing*, **2019**, 67, 4886-4898	4.8	8
131	. *IEEE Transactions on Aerospace and Electronic Systems*, **2014**, 50, 1826-1840	3.7	8
130	On physical layer secrecy of collaborative compressive detection **2014**,		8
129	Controlled collaboration for linear coherent estimation in wireless sensor networks **2012**,		8
128	Sampling Schemes for Sequential Detection With Dependent Observations. *IEEE Transactions on Signal Processing*, **2010**, 58, 1469-1481	4.8	8
127	Evaluation of ICA based fusion of hyperspectral images for color display **2007**,		8
126	Mixed Copula-Based Uncertainty Modeling of Hourly Wind Farm Production for Power System Operational Planning Studies. *IEEE Access*, **2020**, 8, 138569-138583	3.5	8
125	Communication-Efficient Federated Learning Based on Compressed Sensing. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	8
124	Subspace Recovery From Structured Union of Subspaces. *IEEE Transactions on Information Theory*, **2015**, 61, 2101-2114	2.8	7
123	Distributed Detection Over Channels with Memory. *IEEE Signal Processing Letters*, **2015**, 22, 2494-2498	3.2	7
122	Distributed Detection of Sparse Stochastic Signals With 1-Bit Data in Tree-Structured Sensor Networks. *IEEE Transactions on Signal Processing*, **2020**, 68, 2963-2976	4.8	7
121	Prospect Theoretic Utility Based Human Decision Making in Multi-Agent Systems. *IEEE Transactions on Signal Processing*, **2020**, 68, 1091-1104	4.8	7
120	Joint Sparsity Pattern Recovery With 1-b Compressive Sensing in Distributed Sensor Networks. *IEEE Transactions on Signal and Information Processing Over Networks*, **2019**, 5, 15-30	2.8	7
119	Distributed Detection of Sparse Stochastic Signals via Fusion of 1-bit Local Likelihood Ratios. *IEEE Signal Processing Letters*, **2019**, 26, 1738-1742	3.2	7
118	Multisensor Modulation Classification (MMC): Implementation Considerations -- USRP Case Study **2014**,		7

117	Sequential Bayesian estimation with censored data **2012**,		7
116	Noise-refined image enhancement using multi-objective optimisation. *IET Image Processing*, **2013**, 7, 191-200	1.7	7
115	Accurate Estimation of Gaseous Strength Using Transient Data. *IEEE Transactions on Instrumentation and Measurement*, **2011**, 60, 1197-1205	5.2	7
114	Estimation of spatially distributed processes in wireless sensor networks with random packet loss. *IEEE Transactions on Wireless Communications*, **2009**, 8, 3162-3171	9.6	7
113	Channel Aware Particle Filtering for Tracking in Sensor Networks **2006**,		7
112	Distributed Sequential Detection: Dependent Observations and Imperfect Communication. *IEEE Transactions on Signal Processing*, **2020**, 68, 830-842	4.8	7
111	Decision Tree Design for Classification in Crowdsourcing Systems **2018**,		7
110	. *IEEE Signal Processing Letters*, **2018**, 25, 1845-1849	3.2	7
109	Secure Distributed Detection of Sparse Signals via Falsification of Local Compressive Measurements. *IEEE Transactions on Signal Processing*, **2019**, 67, 4696-4706	4.8	6
108	Distributed Compressive Detection with Perfect Secrecy **2014**,		6
107	On optimal sensor collaboration topologies for linear coherent estimation **2014**,		6
106	Modulation Discovery Over Arbitrary Additive Noise Channels Based on the Richardson-Lucy Algorithm. *IEEE Signal Processing Letters*, **2014**, 21, 756-760	3.2	6
105	An incentive-based mechanism for location estimation in wireless sensor networks **2013**,		6
104	Sensor placement algorithms for target localization in sensor networks **2008**,		6
103	A Novel Spectrally-Efficient Uplink Hybrid-Domain NOMA System. *IEEE Communications Letters*, **2020**, 24, 2609-2613	3.8	6
102	On Performance Comparison of Multi-Antenna HD-NOMA, SCMA, and PD-NOMA Schemes. *IEEE Wireless Communications Letters*, **2020**, 1-1	5.9	6
101	Coupled Detection and Estimation Based Censored Spectrum Sharing in Cognitive Radio Networks. *IEEE Transactions on Wireless Communications*, **2016**, 15, 4206-4217	9.6	6
100	Optimal energy allocation and storage control for distributed estimation with sensor collaboration **2016**,		6

99	Robust Distributed Detection in Massive MIMO Wireless Sensor Networks Under CSI Uncertainty **2018**,		6
98	Sparse Bayesian Learning-Based Target Imaging and Parameter Estimation for Monostatic MIMO Radar Systems. *IEEE Access*, **2018**, 6, 68545-68559	3.5	6
97	Decentralized Federated Learning via Mutual Knowledge Transfer. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	6
96	Design and evaluation of hierarchical hybrid automatic modulation classifier using software defined radios **2017**,		5
95	A Low-Complexity Maximum-Likelihood Decoder for Tail-Biting Convolutional Codes. *IEEE Transactions on Communications*, **2018**, 66, 1859-1870	6.9	5
94	On Weak Signal Detection With Compressive Measurements. *IEEE Signal Processing Letters*, **2018**, 25, 125-129	3.2	5
93	Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks. *IEEE Wireless Communications Letters*, **2018**, 7, 456-459	5.9	5
92	Optimal Auction Design With Quantized Bids for Target Tracking via Crowdsensing. *IEEE Transactions on Computational Social Systems*, **2019**, 6, 847-857	4.5	5
91	Asymptotic Performance of Categorical Decision Making with Random Thresholds. *IEEE Signal Processing Letters*, **2014**, 21, 994-997	3.2	5
90	Probabilistic sensor management for target tracking via compressive sensing **2014**,		5
89	An auction-based mechanism for dynamic spectrum allocation in participatory cognitive radio networks **2012**,		5
88	Reliable classification by unreliable crowds **2013**,		5
87	An Optimum Land Cover Mapping Algorithm in the Presence of Shadows. *IEEE Journal on Selected Topics in Signal Processing*, **2011**, 5, 592-605	7.5	5
86	Target localization in Wireless Sensor Networks with quantized data in the presence of Byzantine attacks **2011**,		5
85	On linear coherent estimation with spatial collaboration **2012**,		5
84	Online Design of Optimal Precoders for High Dimensional Signal Detection. *IEEE Transactions on Signal Processing*, **2019**, 67, 4122-4135	4.8	4
83	**2012**,		4
82	Biometric Authentication: A Copula-Based Approach95-119		4

81	Joint State Monitoring and Fault Detection using Distributed Particle Filtering. *Conference Record of the Asilomar Conference on Signals, Systems and Computers*, **2007**,	0.3	4
80	Prospect Theory Based Crowdsourcing for Classification in the Presence of Spammers. *IEEE Transactions on Signal Processing*, **2020**, 68, 4083-4093	4.8	4
79	Matching theory for cognitive spectrum allocation in wireless networks **2016**,		4
78	Universal Collaboration Strategies for Signal Detection: A Sparse Learning Approach. *IEEE Signal Processing Letters*, **2016**, 23, 1484-1488	3.2	4
77	On Amelioration Of Human Cognitive Biases In Binary Decision Making **2019**,		4
76	On Integrating Human Decisions with Physical Sensors for Binary Decision Making **2018**,		4
75	Distributed Detection of Sparse Signals With Censoring Sensors Via Locally Most Powerful Test. *IEEE Signal Processing Letters*, **2020**, 27, 346-350	3.2	3
74	Minimum Byzantine Effort for Blinding Distributed Detection in Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2020**, 68, 647-661	4.8	3
73	Robust detection of random events with spatially correlated data in wireless sensor networks via distributed compressive sensing **2017**,		3
72	Compressive Sensing Based Classification in the Presence of Intra-and Inter-Signal Correlation. *IEEE Signal Processing Letters*, **2018**, 25, 1398-1402	3.2	3
71	Improving Subpixel Classification by Incorporating Prior Information in Linear Mixture Models. *IEEE Transactions on Geoscience and Remote Sensing*, **2011**, 49, 1001-1013	8.1	3
70	A novel framework for distributed detection with dependent observations **2010**,		3
69	Accurate estimation of indoor occupancy using gas sensors **2009**,		3
68	An energy efficient iterative method for source localization in wireless sensor networks **2009**,		3
67	On localizing the source of random signals using sensor networks **2009**,		3
66	Modified Bayesian Cramr-Rao lower bound for nonlinear tracking **2011**,		3
65	Exponential Mixture Density based Approximation to Posterior Cramr-Rao Lower Bound for Distributed Target Tracking. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	3
64	Multiple-source ellipsoidal localization using acoustic energy measurements. *Automatica*, **2020**, 112, 108737	5.7	3

63	An Efficient Construction Strategy for Near-Optimal Variable-Length Error-Correcting Codes. *IEEE Communications Letters*, **2019**, 23, 398-401	3.8	3
62	On Random Distortion Testing Based Sequential Non-Parametric Hypothesis Testing* **2018**,		3
61	Impact of Cooperation in Flow-Induced Diffusive Mobile Molecular Communication **2018**,		3
60	On Sequential Random Distortion Testing of Non-Stationary Processes **2018**,		3
59	Human-Machine Inference Networks for Smart Decision Making: Opportunities and Challenges **2018**,		3
58	Truncated Sequential Non-Parametric Hypothesis Testing Based on Random Distortion Testing. *IEEE Transactions on Signal Processing*, **2019**, 67, 4027-4042	4.8	2
57	Sequential Random Distortion Testing of Non-Stationary Processes. *IEEE Transactions on Signal Processing*, **2019**, 67, 5450-5462	4.8	2
56	One-Bit Compressed Sensing Using Generative Models **2020**,		2
55	On optimal periodic sensor scheduling for field estimation in wireless sensor networks **2013**,		2
54	Decision fusion by people: Experiments, models, and sociotechnical system design **2015**,		2
53	Dynamic bit allocation for target tracking in sensor networks with quantized measurements **2010**,		2
52	A probabilistic transmission scheme for distributed estimation in wireless sensor networks **2010**,		2
51	Registration of high-dimensional remote sensing data based on a new dimensionality reduction rule **2009**,		2
50	Evaluation of local decision thresholds for distributed detection in wireless sensor networks using multiobjective optimization **2008**,		2
49	A false discovery rate based detector for detection of targets in clutter and noise **2008**,		2
48	A Subspace Method for Fourier Based Image Registration **2006**,		2
47	Distributed Detection of Sparse Signals With Physical Layer Secrecy Constraints: A Falsified Censoring Strategy. *IEEE Transactions on Signal Processing*, **2020**, 68, 6040-6054	4.8	2
46	Learning equilibria for power allocation games in cognitive radio networks with a jammer **2016**,		2

45	Optimal Byzantine attack for distributed inference with M-ary quantized data **2016**,	2
44	On Decision Making In Human-Machine Networks **2019**,	2
43	A Truthful Mechanism For Mobility Management In Unmanned Aerial Vehicles Networks **2019**,	2
42	On Self-Localization and Tracking with an Unknown Number of Targets **2018**,	2
41	Online Design of Precoders for High Dimensional Signal Detection in Wireless Sensor Networks **2018**,	2
40	Secure Networked Inference with Unreliable Data Sources **2018**,	2
39	Data-Centric and Cooperative MAC Protocols for Sensor Networks311-348	2
38	Conditional Posterior Cramér-Rao Lower Bound and its Applications in Adaptive Sensor Management **2011**, 303-317	2
37	On the Design of Near-Optimal Variable-Length Error-Correcting Codes for Large Source Alphabets. *IEEE Transactions on Communications*, **2020**, 68, 7896-7910	6.9	1
36	On Distributed Stochastic Gradient Descent for Nonconvex Functions in the Presence of Byzantines **2020**,	1
35	Optimal Auction Design With Quantized Bids. *IEEE Signal Processing Letters*, **2016**, 23, 1518-1522	3.2	1
34	Detection diversity of spatio-temporal data using Pitman's efficiency for low SNR regimes **2016**,	1
33	Market based sensor mobility management for target localization **2014**,	1
32	Detection with multimodal dependent data using low-dimensional random projections **2017**,	1
31	Detection of Single Versus Multiple Antenna Transmission Systems Using Pilot Data. *IEEE Transactions on Signal and Information Processing Over Networks*, **2017**, 3, 159-171	2.8	1
30	A unified diversity measure for distributed inference **2017**,	1
29	On optimal sensor collaboration for distributed estimation with individual power constraints **2015**,	1
28	A non-parametric approach for spectrum sensing with multiple antenna cognitive radios in the presence of Non-Gaussian noise **2011**,	1

27	Spatial whitening framework for distributed estimation **2011**,		1
26	Successful Communications in a Cognitive Radio Network with Transmission Hyperspace **2011**,		1
25	A Monte Carlo based energy efficient source localization method for wireless sensor networks **2009**,		1
24	Dimensionality Reduction of Hyperspectral Images for Color Display using Segmented Independent Component Analysis **2007**,		1
23	Asymptotic Performance In Heterogeneous Human-machine Inference Networks **2020**,		1
22	Enhanced Audit Bit Based Distributed Bayesian Detection in the Presence of Strategic Attacks. *IEEE Transactions on Signal and Information Processing Over Networks*, **2022**, 8, 49-62	2.8	1
21	Sparse Activity Detection in Cell-Free Massive MIMO systems **2020**,		1
20	On Strategic Jamming in Distributed Detection Networks **2021**,		1
19	On Convex Stochastic Variance Reduced Gradient for Adversarial Machine Learning **2019**,		1
18	**2019**,		1
17	Joint Collaboration and Compression Design for Distributed Sequential Estimation in a Wireless Sensor Network. *IEEE Transactions on Signal Processing*, **2021**, 1-1	4.8	1
16	Nonparametric Composite Hypothesis Testing in an Asymptotic Regime. *IEEE Journal on Selected Topics in Signal Processing*, **2018**, 12, 1005-1014	7.5	1
15	Utility-Theory-Based Optimal Resource Consumption for Inference in IoT Systems. *IEEE Internet of Things Journal*, **2021**, 8, 12279-12288	10.7	1
14	. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
13	TECHNIQUES FOR MUTUAL INFORMATION-BASED BRAIN IMAGE REGISTRATION AND THEIR APPLICATIONS **2005**, 325-350		0
12	Measurement Bounds for Compressed Sensing in Sensor Networks With Missing Data. *IEEE Transactions on Signal Processing*, **2021**, 69, 905-916	4.8	0
11	Federated Learning with Soft Clustering. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
10	Collaborative Human Decision-Making With Heterogeneous Agents. *IEEE Transactions on Computational Social Systems*, **2021**, 1-11	4.5	0

9	Robust Linear Transceiver Designs for Vector Parameter Estimation in MIMO Wireless Sensor Networks Under CSI Uncertainty. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 7347-7362	6.8	0
8	Multi-Sensor Joint Adaptive Birth Sampler for Labeled Random Finite Set Tracking. *IEEE Transactions on Signal Processing*, **2022**, 70, 1010-1025	4.8	0
7	Noisy One-bit Compressed Sensing with Side-Information. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	
6	Byzantine Resilient Non-Convex SCSG With Distributed Batch Gradient Computations. *IEEE Transactions on Signal and Information Processing Over Networks*, **2021**, 7, 754-766	2.8	
5	Distributed Detection with Unreliable Data Sources **2018**, 17-74		
4	Joint Collaboration and Compression Design for Random Signal Detection in Wireless Sensor Networks. *IEEE Signal Processing Letters*, **2021**, 28, 1630-1634	3.2	
3	Distributed Inference with Unreliable Data: Some Unconventional Directions **2018**, 151-184		
2	Distributed detection of sparse signals with censoring sensors in clustered sensor networks. *Information Fusion*, **2022**, 83-84, 1-18	16.7	
1	Robust Decentralized Learning Using ADMM with Unreliable Agents. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	