

Jose M F Moura

List of Publications by Year in descending order

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362
papers

15,939
citations

23567

58
h-index

22832

112
g-index

365
all docs

365
docs citations

365
times ranked

8492
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Signal Processing on Graphs. IEEE Transactions on Signal Processing, 2013, 61, 1644-1656.	5.3	1,146
2	Graph Signal Processing: Overview, Challenges, and Applications. Proceedings of the IEEE, 2018, 106, 808-828.	21.3	982
3	Gossip Algorithms for Distributed Signal Processing. Proceedings of the IEEE, 2010, 98, 1847-1864.	21.3	659
4	Discrete Signal Processing on Graphs: Frequency Analysis. IEEE Transactions on Signal Processing, 2014, 62, 3042-3054.	5.3	635
5	Big Data Analysis with Signal Processing on Graphs: Representation and processing of massive data sets with irregular structure. IEEE Signal Processing Magazine, 2014, 31, 80-90.	5.6	569
6	Fast Distributed Gradient Methods. IEEE Transactions on Automatic Control, 2014, 59, 1131-1146.	5.7	419
7	Distributing the Kalman Filter for Large-Scale Systems. IEEE Transactions on Signal Processing, 2008, 56, 4919-4935.	5.3	408
8	Distributed Consensus Algorithms in Sensor Networks: Quantized Data and Random Link Failures. IEEE Transactions on Signal Processing, 2010, 58, 1383-1400.	5.3	352
9	Distributed Parameter Estimation in Sensor Networks: Nonlinear Observation Models and Imperfect Communication. IEEE Transactions on Information Theory, 2012, 58, 3575-3605.	2.4	327
10	Visual Dialog. , 2017, , .		300
11	Distributed Sensor Localization in Random Environments Using Minimal Number of Anchor Nodes. IEEE Transactions on Signal Processing, 2009, 57, 2000-2016.	5.3	270
12	Modeling of Future Cyber-Physical Energy Systems for Distributed Sensing and Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 825-838.	2.9	238
13	Sensor Networks With Random Links: Topology Design for Distributed Consensus. IEEE Transactions on Signal Processing, 2008, 56, 3315-3326.	5.3	209
14	STACS: new active contour scheme for cardiac MR image segmentation. IEEE Transactions on Medical Imaging, 2005, 24, 593-603.	8.9	205
15	Distributed State Estimation and Energy Management in Smart Grids: A Consensus-Innovations Approach. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1022-1038.	10.8	191
16	Convergence Rate Analysis of Distributed Gossip (Linear Parameter) Estimation: Fundamental Limits and Tradeoffs. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 674-690.	10.8	187
17	Signal Recovery on Graphs: Variation Minimization. IEEE Transactions on Signal Processing, 2015, 63, 4609-4624.	5.3	185
18	Learning Cooperative Visual Dialog Agents with Deep Reinforcement Learning. , 2017, , .		158

#	ARTICLE	IF	CITATIONS
19	Consensus + innovations distributed inference over networks: cooperation and sensing in networked systems. IEEE Signal Processing Magazine, 2013, 30, 99-109.	5.6	150
20	FCN-rLSTM: Deep Spatio-Temporal Neural Networks for Vehicle Counting in City Cameras. , 2017, , .		149
21	Event detection for Non Intrusive load monitoring. , 2012, , .		140
22	The Viterbi algorithm and Markov noise memory. IEEE Transactions on Information Theory, 2000, 46, 291-301.	2.4	139
23	DILAND: An Algorithm for Distributed Sensor Localization With Noisy Distance Measurements. IEEE Transactions on Signal Processing, 2010, 58, 1940-1947.	5.3	139
24	Gossip and Distributed Kalman Filtering: Weak Consensus Under Weak Detectability. IEEE Transactions on Signal Processing, 2011, 59, 1766-1784.	5.3	138
25	Signal Processing on Graphs: Causal Modeling of <i>Unstructured</i> Data. IEEE Transactions on Signal Processing, 2017, 65, 2077-2092.	5.3	136
26	Detection and characterization of exchangeable protons bound to the hydrogen-activation nickel site of <i>Desulfovibrio gigas</i> hydrogenase: a proton and deuterium Q-band ENDOR study. Journal of the American Chemical Society, 1991, 113, 20-24.	13.7	135
27	Detection by Time Reversal: Single Antenna. IEEE Transactions on Signal Processing, 2007, 55, 187-201.	5.3	134
28	Adversarial Geometry-Aware Human Motion Prediction. Lecture Notes in Computer Science, 2018, , 823-842.	1.3	130
29	Sparse recovery of the multimodal and dispersive characteristics of Lamb waves. Journal of the Acoustical Society of America, 2013, 133, 2732-2745.	1.1	128
30	Distributed Kalman Filtering With Dynamic Observations Consensus. IEEE Transactions on Signal Processing, 2015, 63, 4458-4473.	5.3	127
31	Algebraic Signal Processing Theory: Foundation and 1-D Time. IEEE Transactions on Signal Processing, 2008, 56, 3572-3585.	5.3	120
32	Kalman Filtering With Intermittent Observations: Weak Convergence to a Stationary Distribution. IEEE Transactions on Automatic Control, 2012, 57, 405-420.	5.7	120
33	Efficient detection in hyperspectral imagery. IEEE Transactions on Image Processing, 2001, 10, 584-597.	9.8	119
34	<i>Consensus+Innovations</i> ; Distributed Kalman Filter With Optimized Gains. IEEE Transactions on Signal Processing, 2017, 65, 467-481.	5.3	116
35	\mathcal{Q} - \mathcal{D} -Learning: A Collaborative Distributed Strategy for Multi-Agent Reinforcement Learning Through $\{m \text{ Consensus}\} + \{m \text{ Innovations}\}$. IEEE Transactions on Signal Processing, 2013, 61, 1848-1862.	5.3	112
36	On the Product of Independent Complex Gaussians. IEEE Transactions on Signal Processing, 2012, 60, 1050-1063.	5.3	110

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37	Hyperspectral imagery: clutter adaptation in anomaly detection. IEEE Transactions on Information Theory, 2000, 46, 1855-1871.	2.4	109
38	Dynamic Attack Detection in Cyber-Physical Systems With Side Initial State Information. IEEE Transactions on Automatic Control, 2017, 62, 4618-4624.	5.7	106
39	Recursive structure of noncausal Gauss-Markov random fields. IEEE Transactions on Information Theory, 1992, 38, 334-354.	2.4	102
40	Signal denoising on graphs via graph filtering. , 2014, , .		99
41	Cooperative Convex Optimization in Networked Systems: Augmented Lagrangian Algorithms With Directed Gossip Communication. IEEE Transactions on Signal Processing, 2011, 59, 3889-3902.	5.3	97
42	Scale transform signal processing for optimal ultrasonic temperature compensation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2226-36.	3.0	92
43	The Algebraic Approach to the Discrete Cosine and Sine Transforms and Their Fast Algorithms. SIAM Journal on Computing, 2003, 32, 1280-1316.	1.0	89
44	Algebraic Signal Processing Theory: 1-D Space. IEEE Transactions on Signal Processing, 2008, 56, 3586-3599.	5.3	85
45	Time Reversal in Multiple-Input Multiple-Output Radar. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 210-225.	10.8	85
46	Linear Convergence Rate of a Class of Distributed Augmented Lagrangian Algorithms. IEEE Transactions on Automatic Control, 2015, 60, 922-936.	5.7	83
47	Distributed Detection via Gaussian Running Consensus: Large Deviations Asymptotic Analysis. IEEE Transactions on Signal Processing, 2011, 59, 4381-4396.	5.3	82
48	Visual Coreference Resolution in Visual Dialog Using Neural Module Networks. Lecture Notes in Computer Science, 2018, , 160-178.	1.3	81
49	Finite-time distributed consensus through graph filters. , 2014, , .		79
50	Optimal Attack Strategies Subject to Detection Constraints Against Cyber-Physical Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1157-1168.	3.7	79
51	Distributed Localization: A Linear Theory. Proceedings of the IEEE, 2018, 106, 1204-1223.	21.3	79
52	Topology for Distributed Inference on Graphs. IEEE Transactions on Signal Processing, 2008, 56, 2609-2613.	5.3	77
53	Discrete signal processing on graphs: Graph fourier transform. , 2013, , .		77
54	A Deep Learning Approach to IoT Authentication. , 2018, , .		74

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55	Matrices with banded inverses: inversion algorithms and factorization of Gauss-Markov processes. IEEE Transactions on Information Theory, 2000, 46, 1495-1509.	2.4	72
56	Algebraic Signal Processing Theory: Cooley-Tukey Type Algorithms for DCTs and DSTs. IEEE Transactions on Signal Processing, 2008, 56, 1502-1521.	5.3	72
57	Modeling future cyber-physical energy systems. , 2008, , .		71
58	Noncausal Gauss Markov random fields: parameter structure and estimation. IEEE Transactions on Information Theory, 1993, 39, 1333-1355.	2.4	70
59	Understanding Traffic Density from Large-Scale Web Camera Data. , 2017, , .		70
60	In vivo detection of acute rat renal allograft rejection by MRI with USPIO particles. Kidney International, 2002, 61, 1124-1135.	5.2	69
61	On connectivity, observability, and stability in distributed estimation. , 2010, , .		69
62	Data-driven matched field processing for Lamb wave structural health monitoring. Journal of the Acoustical Society of America, 2014, 135, 1231-1244.	1.1	68
63	Resilient Distributed Estimation: Sensor Attacks. IEEE Transactions on Automatic Control, 2019, 64, 3772-3779.	5.7	67
64	Resilient Distributed Estimation Through Adversary Detection. IEEE Transactions on Signal Processing, 2018, 66, 2455-2469.	5.3	64
65	USPIO-enhanced dynamic MRI: Evaluation of normal and transplanted rat kidneys. Magnetic Resonance in Medicine, 2001, 46, 1152-1163.	3.0	62
66	Distributed Linear Parameter Estimation: Asymptotically Efficient Adaptive Strategies. SIAM Journal on Control and Optimization, 2013, 51, 2200-2229.	2.1	62
67	Few-Shot Human Motion Prediction via Meta-learning. Lecture Notes in Computer Science, 2018, , 441-459.	1.3	62
68	Teaching Robots to Predict Human Motion. , 2018, , .		61
69	Discrete fourier transform on multicore. IEEE Signal Processing Magazine, 2009, 26, 90-102.	5.6	60
70	Discrete signal processing on graphs: Graph filters. , 2013, , .		59
71	SPIRAL: Extreme Performance Portability. Proceedings of the IEEE, 2018, 106, 1935-1968.	21.3	58
72	Cyber-Physical Attacks With Control Objectives. IEEE Transactions on Automatic Control, 2018, 63, 1418-1425.	5.7	56

#	ARTICLE	IF	CITATIONS
73	Time Reversal Imaging by Adaptive Interference Canceling. IEEE Transactions on Signal Processing, 2008, 56, 233-247.	5.3	54
74	Multiframe detector/tracker: optimal performance. IEEE Transactions on Aerospace and Electronic Systems, 2001, 37, 925-945.	4.7	53
75	Structured low-density parity-check codes. IEEE Signal Processing Magazine, 2004, 21, 42-55.	5.6	53
76	Cramer-Rao bound for location systems in multipath environments. IEEE Transactions on Signal Processing, 1991, 39, 2593-2610.	5.3	52
77	Distributed Detection Over Noisy Networks: Large Deviations Analysis. IEEE Transactions on Signal Processing, 2012, 60, 4306-4320.	5.3	52
78	The Internet of Things: Secure Distributed Inference. IEEE Signal Processing Magazine, 2018, 35, 64-75.	5.6	52
79	Fusion in sensor networks with communication constraints. , 2004, , .		51
80	Structured LDPC codes for high-density recording: large girth and low error floor. IEEE Transactions on Magnetics, 2006, 42, 208-213.	2.1	50
81	Weight Optimization for Consensus Algorithms With Correlated Switching Topology. IEEE Transactions on Signal Processing, 2010, 58, 3788-3801.	5.3	49
82	Block matrices with L-block-banded inverse: inversion algorithms. IEEE Transactions on Signal Processing, 2005, 53, 630-642.	5.3	48
83	Distributed Average Consensus in Sensor Networks with Random Link Failures. , 2007, , .		48
84	Dynamic Field Estimation Using Wireless Sensor Networks: Tradeoffs Between Estimation Error and Communication Cost. IEEE Transactions on Signal Processing, 2009, 57, 2383-2395.	5.3	48
85	Large Deviations Performance of Consensus+Innovations Distributed Detection With Non-Gaussian Observations. IEEE Transactions on Signal Processing, 2012, 60, 5987-6002.	5.3	45
86	Classification via regularization on graphs. , 2013, , .		41
87	Spectral Projector-Based Graph Fourier Transforms. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 785-795.	10.8	41
88	Correlation-sensitive adaptive sequence detection. IEEE Transactions on Magnetics, 1998, 34, 763-771.	2.1	40
89	Ambiguity in radar and sonar. IEEE Transactions on Signal Processing, 1998, 46, 294-305.	5.3	40
90	Distributed Kalman Filtering Over Massive Data Sets: Analysis Through Large Deviations of Random Riccati Equations. IEEE Transactions on Information Theory, 2015, 61, 1351-1372.	2.4	40

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91	Detecting Botnets Using Command and Control Traffic. , 2009, , .		39
92	Higher Dimensional Consensus: Learning in Large-Scale Networks. IEEE Transactions on Signal Processing, 2010, 58, 2836-2849.	5.3	39
93	An efficient method to detect periodic behavior in botnet traffic by analyzing control plane traffic. Journal of Advanced Research, 2014, 5, 435-448.	9.5	36
94	Graph Signal Processing and Deep Learning: Convolution, Pooling, and Topology. IEEE Signal Processing Magazine, 2020, 37, 139-149.	5.6	34
95	Capture and representation of human walking in live video sequences. IEEE Transactions on Multimedia, 1999, 1, 144-156.	7.2	32
96	Convergence Rates of Distributed Nesterov-Like Gradient Methods on Random Networks. IEEE Transactions on Signal Processing, 2014, 62, 868-882.	5.3	32
97	Cyber-physical systems: Dynamic sensor attacks and strong observability. , 2015, , .		32
98	Signal inpainting on graphs via total variation minimization. , 2014, , .		31
99	Big Data + Big Cities: Graph Signals of Urban Air Pollution [Exploratory SP]. IEEE Signal Processing Magazine, 2014, 31, 130-136.	5.6	31
100	Dispersion curve recovery with orthogonal matching pursuit. Journal of the Acoustical Society of America, 2015, 137, EL1-EL7.	1.1	30
101	VisualWord2Vec (Vis-W2V): Learning Visually Grounded Word Embeddings Using Abstract Scenes. , 2016, , .		30
102	Bi-Virus SIS Epidemics over Networks: Qualitative Analysis. IEEE Transactions on Network Science and Engineering, 2015, 2, 17-29.	6.4	29
103	Passive systems theory with narrow-band and linear constraints: Part III - Spatial/Temporal diversity. IEEE Journal of Oceanic Engineering, 1979, 4, 113-119.	3.8	28
104	Signal processing on graphs: Estimating the structure of a graph. , 2015, , .		28
105	Primal"Dual Methods for Large-Scale and Distributed Convex Optimization and Data Analytics. Proceedings of the IEEE, 2020, 108, 1923-1938.	21.3	28
106	Closed-form blind channel identification and source separation in SDMA systems through correlative coding. IEEE Journal on Selected Areas in Communications, 1998, 16, 1506-1517.	14.0	27
107	Rank 1 weighted factorization for 3D structure recovery: Algorithms and performance analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1134-1149.	13.9	27
108	Diffusion in Social Networks as SIS Epidemics: Beyond Full Mixing and Complete Graphs. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 537-551.	10.8	27

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109	Learning to Understand Image Blur. , 2018, , .		27
110	Passive systems theory with narrow-band and linear constraints: Part I - Spatial diversity. IEEE Journal of Oceanic Engineering, 1978, 3, 5-13.	3.8	26
111	Closed-form correlative coding (CFC/sub 2/) blind identification of MIMO channels: isometry fitting to second order statistics. IEEE Transactions on Signal Processing, 2001, 49, 1073-1086.	5.3	25
112	Passive systems theory with narrow-band and linear constraints: Part II - Temporal diversity. IEEE Journal of Oceanic Engineering, 1979, 4, 19-30.	3.8	24
113	Periodic Behavior in Botnet Command and Control Channels Traffic. , 2009, , .		24
114	Distributed Constrained Recursive Nonlinear Least-Squares Estimation: Algorithms and Asymptotics. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	2.8	24
115	Resilient Distributed Parameter Estimation With Heterogeneous Data. IEEE Transactions on Signal Processing, 2019, 67, 4918-4933.	5.3	24
116	Distributed Kalman Filters in Sensor Networks: Bipartite Fusion Graphs. , 2007, , .		23
117	Generating FPGA-Accelerated DFT Libraries. , 2007, , .		23
118	Study of pilot designs for cyclic-prefix OFDM on time-varying and sparse underwater acoustic channels. , 2011, , .		23
119	Consensus and Products of Random Stochastic Matrices: Exact Rate for Convergence in Probability. IEEE Transactions on Signal Processing, 2013, 61, 2557-2571.	5.3	23
120	Visual Dialog. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1242-1256.	13.9	23
121	Acquisition in phase demodulation: application to ranging in radar/sonar systems. IEEE Transactions on Aerospace and Electronic Systems, 1995, 31, 581-599.	4.7	22
122	Blind array channel division multiple access (AChDMA) for mobile communications. IEEE Transactions on Signal Processing, 1998, 46, 737-752.	5.3	22
123	Topology for Global Average Consensus. , 2006, , .		22
124	Distributed Average Consensus in Sensor Networks with Random Link Failures and Communication Channel Noise. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	22
125	Reconstruction of Lamb wave dispersion curves by sparse representation with continuity constraints. Journal of the Acoustical Society of America, 2017, 141, 749-763.	1.1	22
126	Adaptive graph filtering: Multiresolution classification on graphs. , 2013, , .		21

#	ARTICLE	IF	CITATIONS
127	Phase unwrapping of signals propagated under the Arctic ice crust: a statistical approach. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1988, 36, 617-630.	2.0	20
128	Affine-permutation invariance of 2-D shapes. IEEE Transactions on Image Processing, 2005, 14, 1687-1700.	9.8	20
129	DCT/DST and Gauss-Markov fields: conditions for equivalence. IEEE Transactions on Signal Processing, 1998, 46, 2571-2574.	5.3	19
130	Linear Time Encoding of LDPC Codes. IEEE Transactions on Information Theory, 2010, 56, 233-249.	2.4	19
131	Time Reversal Detection in Clutter: Additional Experimental Results. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 140-154.	4.7	19
132	Graph Fourier Transform: A Stable Approximation. IEEE Transactions on Signal Processing, 2020, 68, 4422-4437.	5.3	19
133	Single antenna time reversal detection of moving target. , 2010, , .		18
134	Asymptotically Efficient Distributed Estimation With Exponential Family Statistics. IEEE Transactions on Information Theory, 2014, 60, 4811-4831.	2.4	18
135	Magnetic recording channel model with intertrack interference. IEEE Transactions on Magnetics, 1991, 27, 4834-4836.	2.1	17
136	Data assimilation in large time-varying multidimensional fields. IEEE Transactions on Image Processing, 1999, 8, 1593-1607.	9.8	17
137	Three-dimensional modeling from two-dimensional video. IEEE Transactions on Image Processing, 2001, 10, 1541-1551.	9.8	17
138	Multiple Antenna Time Reversal Transmission in Ultra-Wideband Communications. , 2007, , .		17
139	Recursive filtering and smoothing for discrete index gaussian reciprocal processes. , 2009, , .		17
140	Noncoherent compressive sensing with application to distributed radar. , 2011, , .		17
141	Distributed Nesterov-like gradient algorithms. , 2012, , .		17
142	Distributed state estimation in multi-agent networks. , 2013, , .		17
143	Linear Theory for Self-Localization: Convexity, Barycentric Coordinates, and Cayleyâ€™Menger Determinants. IEEE Access, 2015, 3, 1326-1339.	4.2	17
144	Distributed sensor localization in Euclidean spaces: Dynamic environments. , 2008, , .		16

#	ARTICLE	IF	CITATIONS
145	Distributed average consensus in sensor networks with quantized inter-sensor communication. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	16
146	Big data computation of taxi movement in New York City. , 2016, , .		16
147	Cyber physical attacks constrained by control objectives. , 2016, , .		16
148	Attack Resilient Distributed Estimation: A Consensus+Innovations Approach. , 2018, , .		16
149	Contrast-Invariant Registration of Cardiac and Renal MR Perfusion Images. Lecture Notes in Computer Science, 2004, , 903-910.	1.3	16
150	Gauss-Markov random fields (CMrf) with continuous indices. IEEE Transactions on Information Theory, 1997, 43, 1560-1573.	2.4	15
151	Taxi data in New York city: A network perspective. , 2015, , .		15
152	Data-driven and calibration-free lamb wave source localization with sparse sensor arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1516-1529.	3.0	15
153	New York city taxi analysis with graph signal processing. , 2016, , .		15
154	Noncausal predictive image codec. IEEE Transactions on Image Processing, 1996, 5, 1229-1242.	9.8	14
155	Partition-and-shift LDPC codes. IEEE Transactions on Magnetism, 2005, 41, 2977-2979.	2.1	14
156	TR-SAR: Time Reversal Target Focusing in Spotlight SAR. , 2007, , .		14
157	Automatic Detection of Regional Heart Rejection in USPIO-Enhanced MRI. IEEE Transactions on Medical Imaging, 2008, 27, 1095-1106.	8.9	14
158	Application of Mellin transform features for robust ultrasonic guided wave structural health monitoring. AIP Conference Proceedings, 2012, , .	0.4	14
159	Gaussian Target Detection in Multipath Clutter With Single-Antenna Time Reversal. IEEE Transactions on Signal Processing, 2013, 61, 3733-3744.	5.3	14
160	Convergence analysis of the information matrix in Gaussian Belief Propagation. , 2017, , .		14
161	Graph Signal Processing: Foundations and Emerging Directions [From the Guest Editors]. IEEE Signal Processing Magazine, 2020, 37, 11-13.	5.6	14
162	LD/sup 2/-ARMA identification algorithm. IEEE Transactions on Signal Processing, 1991, 39, 1822-1835.	5.3	13

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163	Image codec by noncausal prediction, residual mean removal, and cascaded VQ. IEEE Transactions on Circuits and Systems for Video Technology, 1996, 6, 42-55.	8.3	13
164	Direction finding algorithms for time reversal MIMO radars. , 2011, , .		13
165	Saddlepoint Approximation for Sensor Network Optimization. , 0, , .		12
166	The hybrid algorithm: A solution to acquisition and tracking. Journal of the Acoustical Society of America, 1981, 69, 1663-1672.	1.1	12
167	Robust detection with the gap metric. IEEE Transactions on Signal Processing, 1997, 45, 1591-1604.	5.3	12
168	Statistical study of zig-zag transition boundaries in longitudinal digital magnetic recording. IEEE Transactions on Magnetics, 1997, 33, 4482-4491.	2.1	12
169	Improving spatiotemporal resolution of USPIO-enhanced dynamic imaging of rat kidneys. Magnetic Resonance Imaging, 2003, 21, 593-598.	1.8	12
170	Figure-ground segmentation from occlusion. IEEE Transactions on Image Processing, 2005, 14, 1109-1124.	9.8	12
171	TS-LDPC Codes: Turbo-Structured Codes With Large Girth. IEEE Transactions on Information Theory, 2007, 53, 1080-1094.	2.4	12
172	Telescoping Recursive Representations and Estimation of Gaussâ€“Markov Random Fields. IEEE Transactions on Information Theory, 2011, 57, 1645-1663.	2.4	12
173	Broadband localization in a dispersive medium through sparse wavenumber analysis. , 2013, , .		12
174	Cyber physical attacks with control objectives and detection constraints. , 2016, , .		12
175	Optimal filtering in the presence of multipath. , 1986, , 64-94.		11
176	<title>Scalable video coding over heterogeneous networks</title>. , 1996, 2602, 294.		11
177	Cooperation for aggregating complex electric power networks to ensure system observability. , 2008, , .		11
178	Domain-specific library generation for parallel software and hardware platforms. , 2008, , .		11
179	What is signal processing? [President's Message. IEEE Signal Processing Magazine, 2009, 26, 6-6.	5.6	11
180	Approximating image filters with box filters. , 2011, , .		11

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181	Automatic Recognition of Human Walking in Monocular Image Sequences. Journal of Signal Processing Systems, 1998, 20, 107-120.	1.0	10
182	Single Antenna Time reversal Adaptive Interference Cancellation. , 0, , .		10
183	A mixed time-scale algorithm for distributed parameter estimation : Nonlinear observation models and imperfect communication. , 2009, , .		10
184	Detection of structural defects in pipes using time reversal of guided waves. , 2009, , .		10
185	Sea-trial results for cyclic-prefix OFDM with long symbol duration. , 2011, , .		10
186	Robust change detection in highly dynamic guided wave signals with singular value decomposition. , 2012, , .		10
187	Distributed reinforcement learning in multi-agent networks. , 2013, , .		10
188	A Stochastic Adaptive Model to Explore Mobile Botnet Dynamics. IEEE Communications Letters, 2017, 21, 753-756.	4.1	10
189	Optimal Filter Design for Signal Processing on Random Graphs: Accelerated Consensus. IEEE Transactions on Signal Processing, 2018, 66, 1258-1272.	5.3	10
190	Structurally Observable Distributed Networks of Agents Under Cost and Robustness Constraints. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 236-247.	2.8	10
191	ON GRAPH CONVOLUTION FOR GRAPH CNNs. , 2018, , .		10
192	On Translation Invariant Subspaces and Critically Sampled Wavelet Transforms. Multidimensional Systems and Signal Processing, 1997, 8, 89-110.	2.6	9
193	Video representation with three-dimensional entities. IEEE Journal on Selected Areas in Communications, 1998, 16, 71-85.	14.0	9
194	Time Reversal Synthetic Aperture Radar Imaging In Multipath. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	9
195	Model Distribution for Distributed Kalman Filters: A Graph Theoretic Approach. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	9
196	Distributed linear parameter estimation in sensor networks: Convergence properties. , 2008, , .		9
197	Accurate sparse recovery of guided wave characteristics for structural health monitoring. , 2012, , .		9
198	Ultrasonic monitoring of a pipe under operating conditions. Proceedings of SPIE, 2012, , .	0.8	9

#	ARTICLE	IF	CITATIONS
199	Pooling in Graph Convolutional Neural Networks. , 2019, , .		9
200	Resilient Distributed Field Estimation. SIAM Journal on Control and Optimization, 2020, 58, 1429-1456.	2.1	9
201	Expedient media noise modeling: isolated and interacting transitions. IEEE Transactions on Magnetics, 1996, 32, 3875-3877.	2.1	8
202	Distributed iterate-collapse inversion (DICI) algorithm for L-banded matrices. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	8
203	Network traffic behavior analysis by decomposition into control and data planes. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	8
204	Distributed localization and tracking with coordinated and uncoordinated motion models. , 2009, , .		8
205	Time reversal adaptive waveform in MIMO radar. , 2010, , .		8
206	Role of subgraphs in epidemics over finite-size networks under the scaled SIS process. Journal of Complex Networks, 2015, 3, 584-605.	1.8	8
207	Distributed Inference Over Directed Networks: Performance Limits and Optimal Design. IEEE Transactions on Signal Processing, 2016, 64, 3308-3323.	5.3	8
208	Contact process with exogenous infection and the scaled SIS process. Journal of Complex Networks, 2017, 5, 712-733.	1.8	8
209	SILVar: Single Index Latent Variable Models. IEEE Transactions on Signal Processing, 2018, 66, 2790-2803.	5.3	8
210	Threshold Extension by Nonlinear Techniques. , 1989, , 433-452.		8
211	Multisource delay estimation: nonstationary signals (underwater acoustics). IEEE Transactions on Signal Processing, 1991, 39, 1033-1048.	5.3	7
212	Time Reversal Beamforming for Microwave Breast Cancer Detection. , 2007, , .		7
213	Adaptive time reversal beamforming in dense multipath communication networks. , 2008, , .		7
214	Higher dimensional consensus algorithms in sensor networks. , 2009, , .		7
215	A telescoping approach to recursive enhancement of noisy images. , 2010, , .		7
216	Emergent behavior in large scale networks. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
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