Ali Pezeshki

List of Publications by Year
in descending order

55 papers	1,436 citations	933447 10 h-index	642732 23 g-index
55 all docs	55 docs citations	55 times ranked	1170 citing authors

#	Article	IF	Citations
1	Bayesian Learning of Occupancy Grids. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1073-1084.	8.0	4
2	A Simple Formula for the Moments of Unitarily Invariant Matrix Distributions. , 2022, , .		0
3	A General Framework for Bounding Approximate Dynamic Programming Schemes. , 2021, 5, 463-468.		4
4	Submodular optimization problems and greedy strategies: A survey. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 381-412.	1.5	5
5	Single-pixel fluorescent diffraction tomography. Optica, 2020, 7, 1617.	9.3	10
6	A Multiple Kernel Machine with Incremental Learning using Sparse Representation. , 2019, , .		0
7	Improved bounds for the greedy strategy in optimization problems with curvature. Journal of Combinatorial Optimization, 2019, 37, 1126-1149.	1.3	7
8	Performance Bounds with Curvature for Batched Greedy Optimization. Journal of Optimization Theory and Applications, 2018, 177, 535-562.	1.5	2
9	Performance bounds for Nash equilibria in submodular utility systems with user groups. Journal of Control and Decision, 2018, 5, 1-18.	1.6	1
10	Extending Polymatroid Set Functions With Curvature and Bounding the Greedy Strategy. , 2018, , .		1
11	Near-Optimal Distributed Detection in Balanced Binary Relay Trees. IEEE Transactions on Control of Network Systems, 2017, 4, 826-837.	3.7	3
12	Subspace Selection for Projection Maximization With Matroid Constraints. IEEE Transactions on Signal Processing, 2017, 65, 1339-1351.	5.3	2
13	Performance bounds for modal analysis using sparse linear arrays. Proceedings of SPIE, 2017, , .	0.8	0
14	A Holistic Approach to Transforming Undergraduate Electrical Engineering Education. IEEE Access, 2017, 5, 8148-8161.	4.2	39
15	Performance bounds for the k-batch greedy strategy in optimization problems with curvature. , 2016, , .		4
16	Modal Analysis Using Co-Prime Arrays. IEEE Transactions on Signal Processing, 2016, 64, 2429-2442.	5.3	10
17	Threshold Effects in Parameter Estimation From Compressed Data. IEEE Transactions on Signal Processing, 2016, 64, 2345-2354.	5.3	4
18	String Submodular Functions With Curvature Constraints. IEEE Transactions on Automatic Control, 2016, 61, 601-616.	5.7	28

#	Article	IF	Citations
19	Distribution of the Fisher information loss due to random compressed sensing. , 2015, , .		1
20	Visual hull method based shape reconstruction of snowflakes from MASC photographs. , 2015, , .		5
21	Analysis of Fisher Information and the Cramér–Rao Bound for Nonlinear Parameter Estimation After Random Compression. IEEE Transactions on Signal Processing, 2015, 63, 6423-6428.	5.3	35
22	Compressed Sensing, Sparse Inversion, and Model Mismatch. Applied and Numerical Harmonic Analysis, 2015, , 75-95.	0.3	1
23	Spatiotemporal model for Internet traffic anomalies. IET Networks, 2014, 3, 41-53.	1.8	5
24	Analysis of misfocus effects in compressive optical imaging. , 2014, , .		0
25	Bounds for approximate dynamic programming based on string optimization and curvature. , 2014, , .		1
26	Adaptive compressive sensing in the presence of noise and erasure. , 2013, , .		0
27	Hypothesis Testing in Feedforward Networks With Broadcast Failures. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 797-810.	10.8	10
28	Adaptive Estimation of Time-Varying Sparse Signals. IEEE Access, 2013, 1, 449-464.	4.2	5
29	Adaptive compressive measurement design using approximate dynamic programming. , 2013, , .		4
30	Near optimality of greedy strategies for string submodular functions with forward and backward curvature constraints. , 2013, , .		9
31	Phenomena discovery in WSNs: A compressive sensing based approach. , 2013, , .		4
32	Asymptotic learning in feedforward networks with binary symmetric channels. , 2013, , .		1
33	Analysis of fisher information and the Cramer-Rao bound for nonlinear parameter estimation after compressed sensing. , 2013, , .		23
34	Detection performance of M-ary relay trees with non-binary message alphabets. , 2012, , .		1
35	Rate of learning in hierarchical social networks. , 2012, , .		2
36	Submodularity and optimality of fusion rules in balanced binary relay trees. , 2012, , .		11

#	Article	IF	Citations
37	Coordinating complementary waveforms across time and frequency. , 2012, , .		3
38	Sensitivity to Basis Mismatch in Compressed Sensing. IEEE Transactions on Signal Processing, 2011, 59, 2182-2195.	5.3	761
39	Error probability bounds for binary relay trees with unreliable communication links. , 2011, , .		4
40	Error probability bounds for balanced binary relay trees. , 2011, , .		1
41	Coordinating complementary waveforms for sidelobe suppression. , 2011, , .		11
42	Unitary design of radar waveform diversity sets. , 2011, 21, 552-567.		9
43	Sparse fusion frames: existence and construction. Advances in Computational Mathematics, 2011, 35, 1-31.	1.6	36
44	Sensitivity considerations in compressed sensing. , 2011, , .		13
45	The geometry of linearly and quadratically constrained optimization problems for signal processing and communications. Journal of the Franklin Institute, 2010, 347, 818-835.	3.4	10
46	Robust measurement design for detecting sparse signals: Equiangular uniform tight frames and grassmannian packings. , 2010, , .		5
47	Compressed sensing of different size block-sparse signals: Efficient recovery. , 2010, , .		1
48	Sensitivity to basis mismatch in compressed sensing. , 2010, , .		49
49	Modeling spatial and temporal behavior of Internet traffic anomalies. , 2010, , .		6
50	Sidelobe suppression in a desired range/doppler interval. , 2009, , .		4
51	Range sidelobe suppression in a desired Doppler interval. , 2009, , .		19
52	Doppler Resilient Golay Complementary Waveforms. IEEE Transactions on Information Theory, 2008, 54, 4254-4266.	2.4	174
53	Eigenvalue Beamforming Using a Multirank MVDR Beamformer and Subspace Selection. IEEE Transactions on Signal Processing, 2008, 56, 1954-1967.	5.3	71
54	Virtual Array Processing for Active Radar and Sonar Sensing. , 2006, , .		2

#	Article	IF	Citations
55	A network for recursive extraction of canonical coordinates. Neural Networks, 2003, 16, 801-808.	5.9	15