

Arye Nehorai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6729002/publications.pdf>

Version: 2024-02-01

51
papers

4,276
citations

331670

21
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparsity-Assisted Signal Denoising and Pattern Recognition in Time-Series Data. <i>Circuits, Systems, and Signal Processing</i> , 2022, 41, 249-298.	2.0	4
2	Target Detection via Cognitive Radars Using Change-Point Detection, Learning, and Adaptation. <i>Circuits, Systems, and Signal Processing</i> , 2021, 40, 233-261.	2.0	6
3	Development of an Institution-Specific Readmission Risk Prediction Model for Real-time Prediction and Patient-Centered Interventions. <i>Journal of General Internal Medicine</i> , 2021, 36, 3910-3912.	2.6	1
4	Riemannian Geometric Optimization Methods for Joint Design of Transmit Sequence and Receive Filter of MIMO Radar. , 2021, , .		0
5	A Low-Complexity MIMO Dual Function Radar Communication System via One-Bit Sampling. , 2021, , .		7
6	Local clustering via approximate heat kernel PageRank with subgraph sampling. <i>Scientific Reports</i> , 2021, 11, 15786.	3.3	0
7	Containing epidemics in a local cluster via antidote distribution and partial quarantine. <i>Physical Review E</i> , 2021, 104, 034307.	2.1	0
8	Real-time transient stability prediction and coherency identification in power systems using Koopman mode analysis. <i>Electric Power Systems Research</i> , 2021, 201, 107565.	3.6	13
9	Optimal Transport in Reproducing Kernel Hilbert Spaces: Theory and Applications. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, 42, 1741-1754.	13.9	32
10	Low-Rank Approximation via Generalized Reweighted Iterative Nuclear and Frobenius Norms. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 2244-2257.	9.8	19
11	Gait Cycle Validation and Segmentation Using Inertial Sensors. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2132-2144.	4.2	15
12	Joint Angle and Doppler Frequency Estimation for MIMO Radar with One-Bit Sampling: A Maximum Likelihood-Based Method. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4734-4748.	4.7	21
13	A myofibre model for the study of uterine excitation-contraction dynamics. <i>Scientific Reports</i> , 2020, 10, 16221.	3.3	4
14	Riemannian Geometric Optimization Methods for Joint Design of Transmit Sequence and Receive Filter on MIMO Radar. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 5602-5616.	5.3	30
15	Gridless Parameter Estimation for One-Bit MIMO Radar With Time-Varying Thresholds. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 1048-1063.	5.3	39
16	Manifold Optimization for Joint Design of MIMO-STAP Radars. <i>IEEE Signal Processing Letters</i> , 2020, 27, 1969-1973.	3.6	15
17	Public policy and economic dynamics of COVID-19 spread: A mathematical modeling study. <i>PLoS ONE</i> , 2020, 15, e0244174.	2.5	21
18	Further Results on the Cram�r�Rao Bound for Sparse Linear Arrays. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 1493-1507.	5.3	14

#	ARTICLE	IF	CITATIONS
19	Efficient Narrowband RFI Mitigation Algorithms for SAR Systems With Reweighted Tensor Structures. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9396-9409.	6.3	34
20	A Novel Tensor Technique for Simultaneous Narrowband and Wideband Interference Suppression on Single-Channel SAR System. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9575-9588.	6.3	35
21	Grid-Less DOA Estimation Using Sparse Linear Arrays Based on Wasserstein Distance. IEEE Signal Processing Letters, 2019, 26, 838-842.	3.6	12
22	Reweighted Nuclear Norm and Reweighted Frobenius Norm Minimizations for Narrowband RFI Suppression on SAR System. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5949-5962.	6.3	29
23	Electro-Mechanical Ionic Channel Modeling for Uterine Contractions and Oxytocin Effect during Pregnancy. Sensors, 2019, 19, 4898.	3.8	2
24	Designing machine learning workflows with an application to topological data analysis. PLoS ONE, 2019, 14, e0225577.	2.5	4
25	Fast Narrowband RFI Suppression Algorithms for SAR Systems via Matrix-Factorization Techniques. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 250-262.	6.3	44
26	Community Detection in Complex Networks via Clique Conductance. Scientific Reports, 2018, 8, 5982.	3.3	44
27	Modeling, Detecting, and Tracking Freezing of Gait in Parkinson Disease Using Inertial Sensors. IEEE Transactions on Biomedical Engineering, 2018, 65, 2152-2161.	4.2	31
28	Gaussian mixture learning via adaptive hierarchical clustering. Signal Processing, 2018, 150, 116-121.	3.7	13
29	Estimating uterine source current during contractions using magnetomyography measurements. PLoS ONE, 2018, 13, e0202184.	2.5	18
30	Minimizing Structural Bias in Single-Molecule Super-Resolution Microscopy. Scientific Reports, 2018, 8, 13133.	3.3	12
31	SAR Automatic Target Recognition Using Joint Low-Rank and Sparse Multiview Denoising. IEEE Geoscience and Remote Sensing Letters, 2018, , 1-5.	3.1	11
32	A Comparison of cognitive approaches for clutter-distribution identification in nonstationary environments. , 2018, , .		4
33	The ϵ -Model's Maximum Likelihood, Cram�r-Rao Bounds, and Hypothesis Testing. IEEE Transactions on Signal Processing, 2017, 65, 3234-3246.	5.3	4
34	Direction finding using sparse linear arrays with missing data. , 2017, , .		11
35	Coarrays, MUSIC, and the Cram�r-Rao Bound. IEEE Transactions on Signal Processing, 2017, 65, 933-946.	5.3	268
36	A Novel Data-Driven Learning Method for Radar Target Detection in Nonstationary Environments. IEEE Signal Processing Letters, 2016, 23, 762-766.	3.6	18

#	ARTICLE	IF	CITATIONS
37	Modeling Magnetomyograms of Uterine Contractions during Pregnancy Using a Multiscale Forward Electromagnetic Approach. PLoS ONE, 2016, 11, e0152421.	2.5	17
38	Calibrating Nested Sensor Arrays With Model Errors. IEEE Transactions on Antennas and Propagation, 2015, 63, 4739-4748.	5.1	43
39	Distributed Power System State Estimation Using Factor Graphs. IEEE Transactions on Signal Processing, 2015, 63, 2864-2876.	5.3	39
40	Joint Sequential Target Estimation and Clock Synchronization in Wireless Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 74-88.	2.8	5
41	Joint sequential target state estimation and clock synchronization in wireless sensor networks. , 2014, , .		0
42	Nested Vector-Sensor Array Processing via Tensor Modeling. IEEE Transactions on Signal Processing, 2014, 62, 2542-2553.	5.3	100
43	Direction of Arrival Estimation Using Co-Prime Arrays: A Super Resolution Viewpoint. IEEE Transactions on Signal Processing, 2014, 62, 5565-5576.	5.3	255
44	Sparse Direction of Arrival Estimation Using Co-Prime Arrays with Off-Grid Targets. IEEE Signal Processing Letters, 2014, 21, 26-29.	3.6	215
45	A game-theoretic approach for optimal time-of-use electricity pricing. IEEE Transactions on Power Systems, 2013, 28, 884-892.	6.5	351
46	Wideband Gaussian Source Processing Using a Linear Nested Array. IEEE Signal Processing Letters, 2013, 20, 1110-1113.	3.6	71
47	Optimal time-of-use electricity pricing using game theory. , 2012, , .		10
48	Multiscale forward electromagnetic model of uterine contractions during pregnancy. BMC Medical Physics, 2012, 12, 4.	2.4	25
49	OFDM MIMO Radar With Mutual-Information Waveform Design for Low-Grazing Angle Tracking. IEEE Transactions on Signal Processing, 2010, 58, 3152-3162.	5.3	134
50	Distinguishing Between Moving and Stationary Sources Using EEG/MEG Measurements With an Application to Epilepsy. IEEE Transactions on Biomedical Engineering, 2005, 52, 471-479.	4.2	8
51	MUSIC, maximum likelihood, and Cramer-Rao bound. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 720-741.	2.0	2,163