

Alexander Jung

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

570
citations

687363

13
h-index

839539

18
g-index

71
all docs

71
docs citations

71
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphical LASSO based Model Selection for Time Series. IEEE Signal Processing Letters, 2015, 22, 1781-1785.	3.6	39
2	PREDICTIVE MAINTENANCE OF PHOTOVOLTAIC PANELS VIA DEEP LEARNING. , 2018, , .		29
3	On the Minimax Risk of Dictionary Learning. IEEE Transactions on Information Theory, 2016, 62, 1501-1515.	2.4	26
4	Flight style optimization in ski jumping on normal, large, and ski flying hills. Journal of Biomechanics, 2014, 47, 716-722.	2.1	23
5	Semi-Supervised Learning in Network-Structured Data via Total Variation Minimization. IEEE Transactions on Signal Processing, 2019, 67, 6256-6269.	5.3	23
6	Learning the Conditional Independence Structure of Stationary Time Series: A Multitask Learning Approach. IEEE Transactions on Signal Processing, 2015, 63, 5677-5690.	5.3	22
7	Compressive Spectral Estimation for Nonstationary Random Processes. IEEE Transactions on Information Theory, 2013, 59, 3117-3138.	2.4	19
8	When Is Network Lasso Accurate?. Frontiers in Applied Mathematics and Statistics, 2018, 3, .	1.3	18
9	Advantages and problems of nonlinear methods applied to analyze physiological time signals: human balance control as an example. Scientific Reports, 2017, 7, 2464.	3.3	17
10	Localized Linear Regression in Networked Data. IEEE Signal Processing Letters, 2019, 26, 1090-1094.	3.6	17
11	Classifying Process Instances Using Recurrent Neural Networks. Lecture Notes in Business Information Processing, 2019, , 313-324.	1.0	17
12	An Integrated Workflow for Building Digital Twins of Cardiac Electromechanicsâ€™ A Multi-Fidelity Approach for Personalising Active Mechanics. Mathematics, 2022, 10, 823.	2.2	16
13	Unbiased Estimation of a Sparse Vector in White Gaussian Noise. IEEE Transactions on Information Theory, 2011, 57, 7856-7876.	2.4	15
14	A Fixed-Point of View on Gradient Methods for Big Data. Frontiers in Applied Mathematics and Statistics, 2017, 3, .	1.3	15
15	An Information-Theoretic Approach to Personalized Explainable Machine Learning. IEEE Signal Processing Letters, 2020, 27, 825-829.	3.6	15
16	Predicting power outages caused by extratropical storms. Natural Hazards and Earth System Sciences, 2021, 21, 607-627.	3.6	15
17	Dynamic Clustering Scheme for Evolving Data Streams Based on Improved STRAP. IEEE Access, 2018, 6, 46157-46166.	4.2	12
18	Automating Root Cause Analysis via Machine Learning in Agile Software Testing Environments. , 2019, , .		12

#	ARTICLE	IF	CITATIONS
19	Compressive nonparametric graphical model selection for time series. , 2014, , .		11
20	The Network Nullspace Property for Compressed Sensing of Big Data Over Networks. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	11
21	Scalable graph signal recovery for big data over networks. , 2016, , .		9
22	On unbiased estimation of sparse vectors corrupted by Gaussian noise. , 2010, , .		8
23	Random walk sampling for big data over networks. , 2017, , .		8
24	The Actor-Dueling-Critic Method for Reinforcement Learning. Sensors, 2019, 19, 1547.	3.8	8
25	On the Sample Complexity of Graphical Model Selection From Non-Stationary Samples. IEEE Transactions on Signal Processing, 2020, 68, 17-32.	5.3	8
26	Classifying Partially Labeled Networked Data VIA Logistic Network Lasso. , 2020, , .		8
27	Networked Exponential Families for Big Data Over Networks. IEEE Access, 2020, 8, 202897-202909.	4.2	8
28	Learning Explainable Decision Rules via Maximum Satisfiability. IEEE Access, 2020, 8, 218180-218185.	4.2	8
29	Dynamic Sparse Subspace Clustering for Evolving High-Dimensional Data Streams. IEEE Transactions on Cybernetics, 2022, 52, 4173-4186.	9.5	8
30	Local Graph Clustering With Network Lasso. IEEE Signal Processing Letters, 2021, 28, 106-110.	3.6	8
31	The network nullspace property for compressed sensing over networks. , 2017, , .		7
32	Wind and fairness in ski jumping: A computer modelling analysis. Journal of Biomechanics, 2018, 75, 147-153.	2.1	7
33	Short-Term Prediction of Electricity Outages Caused by Convective Storms. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8618-8626.	6.3	7
34	Optimization of the flight technique in ski jumping: The influence of wind. Journal of Biomechanics, 2019, 88, 190-193.	2.1	7
35	Structural Feature Selection for Event Logs. Lecture Notes in Business Information Processing, 2018, , 20-35.	1.0	7
36	On the Complexity of Sparse Label Propagation. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	6

#	ARTICLE	IF	CITATIONS
37	Network Intrusion Detection Using Flow Statistics. , 2018, , .		6
38	On the Duality Between Network Flows and Network Lasso. IEEE Signal Processing Letters, 2020, 27, 940-944.	3.6	6
39	A lower bound on the estimator variance for the sparse linear model. , 2010, , .		5
40	Efficient graph signal recovery over big networks. , 2016, , .		5
41	Classifying Big Data Over Networks Via The Logistic Network Lasso. , 2018, , .		5
42	Compressive spectral estimation for nonstationary random processes. , 2009, , .		4
43	Minimum Variance Estimation of a Sparse Vector Within the Linear Gaussian Model: An RKHS Approach. IEEE Transactions on Information Theory, 2014, 60, 6555-6575.	2.4	4
44	Modeling and simulation of human induced pluripotent stem cellâ€derived cardiac tissue. GAMM Mitteilungen, 2019, 42, e201900002.	5.5	4
45	Sparse Subspace Clustering for Evolving Data Streams. , 2019, , .		4
46	Graph signal recovery from incomplete and noisy information using approximate message passing. , 2016, , .		3
47	Learning conditional independence structure for high-dimensional uncorrelated vector processes. , 2017, , .		3
48	Recovery conditions and sampling strategies for network Lasso. , 2017, , .		3
49	The Network Nullspace Property for Compressed Sensing of Big Data Over Networks. , 2018, , .		3
50	Graph Signal Sampling via Reinforcement Learning. , 2019, , .		3
51	A heuristic model-based approach for compensating wind effects in ski jumping. Journal of Biomechanics, 2021, 125, 110585.	2.1	3
52	Minimum variance estimation for the sparse signal in noise model. , 2011, , .		2
53	Iterative Recovery of Dense Signals from Incomplete Measurements. IEEE Signal Processing Letters, 2014, 21, 1059-1063.	3.6	2
54	The RKHS Approach to Minimum Variance Estimation Revisited: Variance Bounds, Sufficient Statistics, and Exponential Families. IEEE Transactions on Information Theory, 2014, 60, 4050-4065.	2.4	2

#	ARTICLE	IF	CITATIONS
55	PREDICTING ELECTRICITY OUTAGES CAUSED BY CONVECTIVE STORMS. , 2018, , .		2
56	An open-source tool for the validation of finite element models using three-dimensional full-field measurements. Medical Engineering and Physics, 2020, 77, 125-129.	1.7	2
57	Performance bounds for sparse parametric covariance estimation in Gaussian models. , 2011, , .		1
58	Smooth graph signal recovery via efficient Laplacian solvers. , 2017, , .		1
59	Outlier Detection from Non-Smooth Sensor Data. , 2019, , .		1
60	Clustering in Partially Labeled Stochastic Block Models via Total Variation Minimization. , 2020, , .		1
61	On the Sample Complexity of Graphical Model Selection from Non-Stationary Samples. , 2018, , .		0
62	A Network Compatibility Condition For Compressed Sensing Over Complex Networks. , 2018, , .		0