

Alexander Ihler

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,206
citations

516561

16
h-index

552653

26
g-index

35
all docs

35
docs citations

35
times ranked

2363
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonparametric belief propagation for self-localization of sensor networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 809-819.	9.7	432
2	Fast collapsed gibbs sampling for latent dirichlet allocation. , 2008, , .		356
3	Brain and muscle Arnt-like protein-1 (BMAL1) controls circadian cell proliferation and susceptibility to UVB-induced DNA damage in the epidermis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11758-11763.	3.3	211
4	Adaptive event detection with time-varying poisson processes. , 2006, , .		165
5	Distributed fusion in sensor networks. IEEE Signal Processing Magazine, 2006, 23, 42-55.	4.6	158
6	Circadian Clock Genes Contribute to the Regulation of Hair Follicle Cycling. PLoS Genetics, 2009, 5, e1000573.	1.5	146
7	A Deep Neural Network Modeling Framework to Reduce Bias in Satellite Precipitation Products. Journal of Hydrometeorology, 2016, 17, 931-945.	0.7	103
8	Time-Restricted Feeding Shifts the Skin Circadian Clock and Alters UVB-Induced DNA Damage. Cell Reports, 2017, 20, 1061-1072.	2.9	79
9	Optimizing redundant-data clustering for interactive walkthrough applications. Visual Computer, 2014, 30, 637-647.	2.5	63
10	A Two-Stage Deep Neural Network Framework for Precipitation Estimation from Bispectral Satellite Information. Journal of Hydrometeorology, 2018, 19, 393-408.	0.7	60
11	Precipitation Identification with Bispectral Satellite Information Using Deep Learning Approaches. Journal of Hydrometeorology, 2017, 18, 1271-1283.	0.7	47
12	Graphical models for statistical inference and data assimilation. Physica D: Nonlinear Phenomena, 2007, 230, 72-87.	1.3	45
13	Multi-Lane Short-Term Traffic Forecasting With Convolutional LSTM Network. IEEE Access, 2020, 8, 34629-34643.	2.6	44
14	Learning to detect events with Markov-modulated poisson processes. ACM Transactions on Knowledge Discovery From Data, 2007, 1, 13.	2.5	37
15	Estimating Warehouse Rental Price using Machine Learning Techniques. International Journal of Computers, Communications and Control, 2018, 13, 235-250.	1.2	32
16	Modeling Count Data from Multiple Sensors: A Building Occupancy Model. , 2007, , .		31
17	Nonparametric Hypothesis Tests for Statistical Dependency. IEEE Transactions on Signal Processing, 2004, 52, 2234-2249.	3.2	17
18	Deep neural networks for precipitation estimation from remotely sensed information. , 2016, , .		17

#	ARTICLE	IF	CITATIONS
19	Deep learning enhanced dynamic mode decomposition. Chaos, 2022, 32, 033116.	1.0	17
20	Bayesian detection of non-sinusoidal periodic patterns in circadian expression data. Bioinformatics, 2009, 25, 3114-3120.	1.8	16
21	Estimating replicate time shifts using Gaussian process regression. Bioinformatics, 2010, 26, 770-776.	1.8	16
22	Covering trees and lower-bounds on quadratic assignment. , 2010, , .		16
23	Fault Identification Via Nonparametric Belief Propagation. IEEE Transactions on Signal Processing, 2011, 59, 2602-2613.	3.2	14
24	Understanding Errors in Approximate Distributed Latent Dirichlet Allocation. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 952-960.	4.0	11
25	Beyond MAP Estimation With the Track-Oriented Multiple Hypothesis Tracker. IEEE Transactions on Signal Processing, 2014, 62, 2413-2423.	3.2	9
26	Probabilistic Analysis of a Large-Scale Urban Traffic Sensor Data Set. Lecture Notes in Computer Science, 2010, , 94-114.	1.0	7
27	A graphical model representation of the track-oriented multiple hypothesis tracker. , 2012, , .		6
28	Feed-forward hierarchical model of the ventral visual stream applied to functional brain image classification. Human Brain Mapping, 2014, 35, 38-52.	1.9	6
29	Cell-to-cell activity prediction for smart cities. , 2016, , .		3
30	Accelerating Dynamic Programs via Nested Benders Decomposition with Application to Multi-Person Pose Estimation. Lecture Notes in Computer Science, 2018, , 677-692.	1.0	3
31	Crystal Identification in Positron Emission Tomography Using Probabilistic Graphical Models. IEEE Transactions on Nuclear Science, 2015, 62, 2102-2112.	1.2	2
32	Stochastic Anytime Search for Bounding Marginal MAP. , 2018, , .		1
33	AND/OR Search for Marginal MAP. Journal of Artificial Intelligence Research, 0, 63, 875-921.	7.0	1
34	A Deep Choice Model for Hiring Outcome Prediction in Online Labor Markets. International Journal of Computers, Communications and Control, 2020, 15, .	1.2	1