# Alexander Ihler

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 34 papers | 2,206 citations | 516215<br>16 h-index | 552369<br>26 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 2363 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Deep learning enhanced dynamic mode decomposition. Chaos, 2022, 32, 033116. | 1.0 | 17 |
| 2 | Multi-Lane Short-Term Traffic Forecasting With Convolutional LSTM Network. IEEE Access, 2020, 8, 34629-34643. | 2.6 | 44 |
| 3 | A Deep Choice Model for Hiring Outcome Prediction in Online Labor Markets. International Journal of Computers, Communications and Control, 2020, 15, . | 1.2 | 1 |
| 4 | A Two-Stage Deep Neural Network Framework for Precipitation Estimation from Bispectral Satellite Information. Journal of Hydrometeorology, 2018, 19, 393-408. | 0.7 | 60 |
| 5 | 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 |
| 6 | Estimating Warehouse Rental Price using Machine Learning Techniques. International Journal of Computers, Communications and Control, 2018, 13, 235-250. | 1.2 | 32 |
| 7 | Stochastic Anytime Search for Bounding Marginal MAP. , 2018, , . |  | 1 |
| 8 | Precipitation Identification with Bispectral Satellite Information Using Deep Learning Approaches. Journal of Hydrometeorology, 2017, 18, 1271-1283. | 0.7 | 47 |
| 9 | Time-Restricted Feeding Shifts the Skin Circadian Clock and Alters UVB-Induced DNA Damage. Cell Reports, 2017, 20, 1061-1072. | 2.9 | 79 |
| 10 | Deep neural networks for precipitation estimation from remotely sensed information. , 2016, , . |  | 17 |
| 11 | Cell-to-cell activity prediction for smart cities. , 2016, , . |  | 3 |
| 12 | A Deep Neural Network Modeling Framework to Reduce Bias in Satellite Precipitation Products. Journal of Hydrometeorology, 2016, 17, 931-945. | 0.7 | 103 |
| 13 | Crystal Identification in Positron Emission Tomography Using Probabilistic Graphical Models. IEEE Transactions on Nuclear Science, 2015, 62, 2102-2112. | 1.2 | 2 |
| 14 | Beyond MAP Estimation With the Track-Oriented Multiple Hypothesis Tracker. IEEE Transactions on Signal Processing, 2014, 62, 2413-2423. | 3.2 | 9 |
| 15 | 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 |
| 16 | Optimizing redundant-data clustering for interactive walkthrough applications. Visual Computer, 2014, 30, 637-647. | 2.5 | 63 |
| 17 | A graphical model representation of the track-oriented multiple hypothesis tracker. , 2012, , . |  | 6 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Understanding Errors in Approximate Distributed Latent Dirichlet Allocation. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 952-960. | 4.0 | 11 |
| 20 | Fault Identification Via Nonparametric Belief Propagation. IEEE Transactions on Signal Processing, 2011, 59, 2602-2613. | 3.2 | 14 |
| 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 | Probabilistic Analysis of a Large-Scale Urban Traffic Sensor Data Set. Lecture Notes in Computer Science, 2010, , 94-114. | 1.0 | 7 |
| 24 | Bayesian detection of non-sinusoidal periodic patterns in circadian expression data. Bioinformatics, 2009, 25, 3114-3120. | 1.8 | 16 |
| 25 | Circadian Clock Genes Contribute to the Regulation of Hair Follicle Cycling. PLoS Genetics, 2009, 5, e1000573. | 1.5 | 146 |
| 26 | Fast collapsed gibbs sampling for latent dirichlet allocation. , 2008, , . | | 356 |
| 27 | Modeling Count Data from Multiple Sensors: A Building Occupancy Model. , 2007, , . | | 31 |
| 28 | Learning to detect events with Markov-modulated poisson processes. ACM Transactions on Knowledge Discovery From Data, 2007, 1, 13. | 2.5 | 37 |
| 29 | Graphical models for statistical inference and data assimilation. Physica D: Nonlinear Phenomena, 2007, 230, 72-87. | 1.3 | 45 |
| 30 | Distributed fusion in sensor networks. IEEE Signal Processing Magazine, 2006, 23, 42-55. | 4.6 | 158 |
| 31 | Adaptive event detection with time-varying poisson processes. , 2006, , . | | 165 |
| 32 | Nonparametric belief propagation for self-localization of sensor networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 809-819. | 9.7 | 432 |
| 33 | Nonparametric Hypothesis Tests for Statistical Dependency. IEEE Transactions on Signal Processing, 2004, 52, 2234-2249. | 3.2 | 17 |
| 34 | AND/OR Search for Marginal MAP. Journal of Artificial Intelligence Research, 0, 63, 875-921. | 7.0 | 1 |