Shuai Huang

List of Publications by Year
in descending order

43 papers	618 citations	687363 13 h-index	642732 23 g-index
43 all docs	43 docs citations	43 times ranked	926 citing authors

#	ARTICLE	IF	CITATIONS
1	A Learning Framework for Personalized Random Utility Maximization (RUM) Modeling of User Behavior. IEEE Transactions on Automation Science and Engineering, 2022, 19, 510-521.	5.2	0
2	How AI Can Help Depression Treatment. , 2022, , 15-36.		0
3	Semi-Supervised Topological Analysis for Elucidating Hidden Structures in High-Dimensional Transcriptome Datasets. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1620-1631.	3.0	4
4	Privacy-Preserving Cost-Sensitive Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2105-2116.	11.3	10
5	SURVFIT: Doubly sparse rule learning for survival data. Journal of Biomedical Informatics, 2021, 117, 103691.	4.3	6
6	Penalized Cox€™s proportional hazards model for high-dimensional survival data with grouped predictors. Statistics and Computing, 2021, 31, 1.	1.5	2
7	Risk Factor Identification in Heterogeneous Disease Progression with L1-Regularized Multi-state Models. Journal of Healthcare Informatics Research, 2021, 5, 20-53.	7.6	1
8	Understanding the complexity of sepsis mortality prediction via rule discovery and analysis: a pilot study. BMC Medical Informatics and Decision Making, 2021, 21, 334.	3.0	4
9	Sparse Inverse Covariance Estimation: A Data Mining Technique to Unravel Holistic Patterns among Business Practices in Firms. Decision Sciences, 2020, 51, 1046-1073.	4.5	4
10	An online updating method for time-varying preference learning. Transportation Research Part C: Emerging Technologies, 2020, 121, 102849.	7.6	6
11	Artificial Intelligence Methods for Surgical Site Infection: Impacts on Detection, Monitoring, and Decision Making. Surgical Infections, 2019, 20, 546-554.	1.4	10
12	A Roadmap for Automatic Surgical Site Infection Detection and Evaluation Using User-Generated Incision Images. Surgical Infections, 2019, 20, 555-565.	1.4	17
13	Early detection and risk assessment for chronic disease with irregular longitudinal data analysis. Journal of Biomedical Informatics, 2019, 96, 103231.	4.3	14
14	Autoantibodies Directed Toward a Novel IA-2 Variant Protein Enhance Prediction of Type 1 Diabetes. Diabetes, 2019, 68, 1819-1829.	0.6	12
15	Cost-effectiveness analysis of prognostic-based depression monitoring. IISE Transactions on Healthcare Systems Engineering, 2019, 9, 41-54.	1.7	6
16	Dynamic Inspection of Latent Variables in State-Space Systems. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1232-1243.	5.2	1
17	A Robust AUC Maximization Framework With Simultaneous Outlier Detection and Feature Selection for Positive-Unlabeled Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3072-3083.	11.3	12
18	Safe Feature Screening for Generalized LASSO. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2992-3006.	13.9	13

#	Article	IF	Citations
19	Switching-State Dynamical Modeling of Daily Behavioral Data. Journal of Healthcare Informatics Research, 2018, 2, 228-247.	7.6	0
20	A Collaborative Learning Framework for Estimating Many Individualized Regression Models in a Heterogeneous Population. IEEE Transactions on Reliability, 2018, 67, 328-341.	4.6	25
21	Optimal Expert Knowledge Elicitation for Bayesian Network Structure Identification. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1163-1177.	5.2	9
22	Direction-Dependent Power Curve Modeling for Multiple Interacting Wind Turbines. IEEE Transactions on Power Systems, 2018, 33, 1725-1733.	6.5	28
23	Detect depression from communication: how computer vision, signal processing, and sentiment analysis join forces. IISE Transactions on Healthcare Systems Engineering, 2018, 8, 196-208.	1.7	13
24	Data-based Decision Rules to Personalize Depression Follow-up. Scientific Reports, 2018, 8, 5064.	3.3	16
25	Selective sensing of a heterogeneous population of units with dynamic health conditions. IISE Transactions, 2018, 50, 1076-1088.	2.4	14
26	Statistical patterns of human mobility in emerging Bicycle Sharing Systems. PLoS ONE, 2018, 13, e0193795.	2.5	8
27	Identification of Unique Antigenic Determinants in the Amino Terminus of IA-2 (ICA512) in Childhood and Adult Autoimmune Diabetes: New Biomarker Development. Diabetes Care, 2017, 40, 561-568.	8.6	30
28	Diagnostic monitoring of high-dimensional networked systems via a LASSO-BN formulation. IISE Transactions, 2017, 49, 874-884.	2.4	3
29	CHI: A contemporaneous health index for degenerative disease monitoring using longitudinal measurements. Journal of Biomedical Informatics, 2017, 73, 115-124.	4.3	5
30	Prognostics of surgical site infections using dynamic health data. Journal of Biomedical Informatics, 2017, 65, 22-33.	4.3	29
31	Robust emotion recognition from low quality and low bit rate video: A deep learning approach. , 2017, , .		15
32	Functional Graphical Models for Manufacturing Process Modeling. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1612-1621.	5.2	13
33	Identifying biomarkers of dementia prevalent among amnestic mild cognitively impaired ethnic female patients. Alzheimer's Research and Therapy, 2016, 8, 43.	6.2	18
34	Biomedical informatics with optimization and machine learning. Eurasip Journal on Bioinformatics and Systems Biology, 2016, 2017, 4.	1.4	3
35	A Prognostic Model of Surgical Site Infection Using Daily Clinical Wound Assessment. Journal of the American College of Surgeons, 2016, 223, 259-270e2.	0.5	42
36	The use of sparse inverse covariance estimation for relationship detection and hypothesis generation in strategic management. Strategic Management Journal, 2016, 37, 86-97.	7.3	4

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37	A Comparison of Rule-based Analysis with Regression Methods in Understanding the Risk Factors for Study Withdrawal in a Pediatric Study. Scientific Reports, 2016, 6, 30828.	3.3	12
38	On Benefits of Selection Diversity via Bilevel Exclusive Sparsity. , 2016, , .		2
39	Integration of Data Fusion Methodology and Degradation Modeling Process to Improve Prognostics. IEEE Transactions on Automation Science and Engineering, 2016, 13, 344-354.	5.2	107
40	Domain-Knowledge Driven Cognitive Degradation Modeling for Alzheimer's Disease. , 2015, , .		3
41	A Sparse Structure Learning Algorithm for Gaussian Bayesian Network Identification from High-Dimensional Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1328-1342.	13.9	54
42	A transfer learning approach for network modeling. IIE Transactions, 2012, 44, 915-931.	2.1	19
43	Brain effective connectivity modeling for alzheimer's disease by sparse gaussian bayesian network. , 2011, , 931-939.		24