

Shuai Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8643255/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	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
4	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
5	Prognostics of surgical site infections using dynamic health data. Journal of Biomedical Informatics, 2017, 65, 22-33.	4.3	29
6	Direction-Dependent Power Curve Modeling for Multiple Interacting Wind Turbines. IEEE Transactions on Power Systems, 2018, 33, 1725-1733.	6.5	28
7	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
8	Brain effective connectivity modeling for alzheimer's disease by sparse gaussian bayesian network. , 2011, , 931-939.		24
9	A transfer learning approach for network modeling. IIE Transactions, 2012, 44, 915-931.	2.1	19
10	Identifying biomarkers of dementia prevalent among amnesic mild cognitively impaired ethnic female patients. Alzheimer's Research and Therapy, 2016, 8, 43.	6.2	18
11	A Roadmap for Automatic Surgical Site Infection Detection and Evaluation Using User-Generated Incision Images. Surgical Infections, 2019, 20, 555-565.	1.4	17
12	Data-based Decision Rules to Personalize Depression Follow-up. Scientific Reports, 2018, 8, 5064.	3.3	16
13	Robust emotion recognition from low quality and low bit rate video: A deep learning approach. , 2017, , .		15
14	Selective sensing of a heterogeneous population of units with dynamic health conditions. IISE Transactions, 2018, 50, 1076-1088.	2.4	14
15	Early detection and risk assessment for chronic disease with irregular longitudinal data analysis. Journal of Biomedical Informatics, 2019, 96, 103231.	4.3	14
16	Safe Feature Screening for Generalized LASSO. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2992-3006.	13.9	13
17	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
18	Functional Graphical Models for Manufacturing Process Modeling. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1612-1621.	5.2	13

#	ARTICLE	IF	CITATIONS
19	A Comparison of Rule-based Analysis with Regression Methods in Understanding the Risk Factors for Study Withdrawal in a Pediatric Study. <i>Scientific Reports</i> , 2016, 6, 30828.	3.3	12
20	Autoantibodies Directed Toward a Novel IA-2 Variant Protein Enhance Prediction of Type 1 Diabetes. <i>Diabetes</i> , 2019, 68, 1819-1829.	0.6	12
21	A Robust AUC Maximization Framework With Simultaneous Outlier Detection and Feature Selection for Positive-Unlabeled Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 3072-3083.	11.3	12
22	Artificial Intelligence Methods for Surgical Site Infection: Impacts on Detection, Monitoring, and Decision Making. <i>Surgical Infections</i> , 2019, 20, 546-554.	1.4	10
23	Privacy-Preserving Cost-Sensitive Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 2105-2116.	11.3	10
24	Optimal Expert Knowledge Elicitation for Bayesian Network Structure Identification. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018, 15, 1163-1177.	5.2	9
25	Statistical patterns of human mobility in emerging Bicycle Sharing Systems. <i>PLoS ONE</i> , 2018, 13, e0193795.	2.5	8
26	Cost-effectiveness analysis of prognostic-based depression monitoring. <i>IJSE Transactions on Healthcare Systems Engineering</i> , 2019, 9, 41-54.	1.7	6
27	An online updating method for time-varying preference learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 121, 102849.	7.6	6
28	SURVFIT: Doubly sparse rule learning for survival data. <i>Journal of Biomedical Informatics</i> , 2021, 117, 103691.	4.3	6
29	CHI: A contemporaneous health index for degenerative disease monitoring using longitudinal measurements. <i>Journal of Biomedical Informatics</i> , 2017, 73, 115-124.	4.3	5
30	The use of sparse inverse covariance estimation for relationship detection and hypothesis generation in strategic management. <i>Strategic Management Journal</i> , 2016, 37, 86-97.	7.3	4
31	Semi-Supervised Topological Analysis for Elucidating Hidden Structures in High-Dimensional Transcriptome Datasets. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1620-1631.	3.0	4
32	Sparse Inverse Covariance Estimation: A Data Mining Technique to Unravel Holistic Patterns among Business Practices in Firms. <i>Decision Sciences</i> , 2020, 51, 1046-1073.	4.5	4
33	Understanding the complexity of sepsis mortality prediction via rule discovery and analysis: a pilot study. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 334.	3.0	4
34	Biomedical informatics with optimization and machine learning. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2016, 2017, 4.	1.4	3
35	Diagnostic monitoring of high-dimensional networked systems via a LASSO-BN formulation. <i>IJSE Transactions</i> , 2017, 49, 874-884.	2.4	3
36	Domain-Knowledge Driven Cognitive Degradation Modeling for Alzheimer's Disease. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	On Benefits of Selection Diversity via Bilevel Exclusive Sparsity. , 2016, , .		2
38	Penalized Cox's proportional hazards model for high-dimensional survival data with grouped predictors. <i>Statistics and Computing</i> , 2021, 31, 1.	1.5	2
39	Dynamic Inspection of Latent Variables in State-Space Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 1232-1243.	5.2	1
40	Risk Factor Identification in Heterogeneous Disease Progression with L1-Regularized Multi-state Models. <i>Journal of Healthcare Informatics Research</i> , 2021, 5, 20-53.	7.6	1
41	Switching-State Dynamical Modeling of Daily Behavioral Data. <i>Journal of Healthcare Informatics Research</i> , 2018, 2, 228-247.	7.6	0
42	A Learning Framework for Personalized Random Utility Maximization (RUM) Modeling of User Behavior. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 510-521.	5.2	0
43	How AI Can Help Depression Treatment. , 2022, , 15-36.		0