Ya-Han Hu

List of Publications by Year
in descending order

77 papers	3,170 citations	257101 24 h-index	161609 54 g-index
82 all docs	82 docs citations	82 times ranked	3055 citing authors

#	Article	IF	Citations
1	Clustering-based undersampling in class-imbalanced data. Information Sciences, 2017, 409-410, 17-26.	4.0	503
2	Opinion mining from online hotel reviews â€" A text summarization approach. Information Processing and Management, 2017, 53, 436-449.	5.4	219
3	Developing early warning systems to predict studentsâ€™ online learning performance. Computers in Human Behavior, 2014, 36, 469-478.	5.1	205
4	Under-sampling class imbalanced datasets by combining clustering analysis and instance selection. Information Sciences, 2019, 477, 47-54.	4.0	203
5	Machine Learning in Financial Crisis Prediction: A Survey. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 421-436.	3.3	173
6	Predicting hotel review helpfulness: The impact of review visibility, and interaction between hotel stars and review ratings. International Journal of Information Management, 2016, 36, 929-944.	10.5	152
7	Mining association rules with multiple minimum supports: a new mining algorithm and a support tuning mechanism. Decision Support Systems, 2006, 42, 1-24.	3.5	133
8	Market basket analysis in a multiple store environment. Decision Support Systems, 2005, 40, 339-354.	3.5	118
9	Assessing the helpfulness of online hotel reviews: A classification-based approach. Telematics and Informatics, 2018, 35, 436-445.	3.5	118
10	Developing a stroke severity index based on administrative data was feasible using data mining techniques. Journal of Clinical Epidemiology, 2015, 68, 1292-1300.	2.4	111
11	Improving text summarization of online hotel reviews with review helpfulness and sentiment. Tourism Management, 2020, 80, 104122.	5.8	79
12	Validity of a stroke severity index for administrative claims data research: a retrospective cohort study. BMC Health Services Research, 2016, 16, 509.	0.9	65
13	Discovering valuable frequent patterns based on RFM analysis without customer identification information. Knowledge-Based Systems, 2014, 61, 76-88.	4.0	64
14	Comorbidity study of borderline personality disorder: applying association rule mining to the Taiwan national health insurance research database. BMC Medical Informatics and Decision Making, 2017, 17, 8.	1.5	63
15	The effect of user-controllable filters on the prediction of online hotel reviews. Information and Management, 2017, 54, 728-744.	3.6	60
16	Predicting customer churn from valuable B2B customers in the logistics industry: a case study. Information Systems and E-Business Management, 2015, 13, 475-494.	2.2	52
17	Validation of a novel claims-based stroke severity index in patients with intracerebral hemorrhage. Journal of Epidemiology, 2017, 27, 24-29.	1.1	47
18	Constraint-based sequential pattern mining: The consideration of recency and compactness. Decision Support Systems, 2006, 42, 1203-1215.	3.5	43

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19	Predicting warfarin dosage from clinical data: A supervised learning approach. Artificial Intelligence in Medicine, 2012, 56, 27-34.	3.8	43
20	EMR-Based Phenotyping of Ischemic Stroke Using Supervised Machine Learning and Text Mining Techniques. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2922-2931.	3.9	38
21	On mining multi-time-interval sequential patterns. Data and Knowledge Engineering, 2009, 68, 1112-1127.	2.1	32
22	Combining feature selection, instance selection, and ensemble classification techniques for improved financial distress prediction. Journal of Business Research, 2021, 130, 200-209.	5.8	29
23	Stroke severity may predict causes of readmission within one year in patients with first ischemic stroke event. Journal of the Neurological Sciences, 2017, 372, 21-27.	0.3	28
24	Predicting the prolonged length of stay of general surgery patients: a supervised learning approach. International Transactions in Operational Research, 2018, 25, 75-90.	1.8	28
25	Knowledge discovery of weighted RFM sequential patterns from customer sequence databases. Journal of Systems and Software, 2013, 86, 779-788.	3.3	27
26	Applying natural language processing techniques to develop a task-specific EMR interface for timely stroke thrombolysis: A feasibility study. International Journal of Medical Informatics, 2018, 112, 149-157.	1.6	27
27	An efficient tree-based algorithm for mining sequential patterns with multiple minimum supports. Journal of Systems and Software, 2013, 86, 1224-1238.	3.3	26
28	Improvement of Adequate Digoxin Dosage: An Application of Machine Learning Approach. Journal of Healthcare Engineering, 2018, 2018, 1-9.	1.1	26
29	Customer segmentation issues and strategies for an automobile dealership with two clustering techniques. Expert Systems, 2015, 32, 65-76.	2.9	25
30	Two Decades of Research Using Taiwan's National Health Insurance Claims Data: Bibliometric and Text Mining Analysis on PubMed. Journal of Medical Internet Research, 2020, 22, e18457.	2.1	25
31	Predicting Factors and Risk Stratification for Return Visits to the Emergency Department Within 72 Hours in Pediatric Patients. Pediatric Emergency Care, 2015, 31, 819-824.	0.5	23
32	Predicting return visits to the emergency department for pediatric patients: Applying supervised learning techniques to the Taiwan National Health Insurance Research Database. Computer Methods and Programs in Biomedicine, 2017, 144, 105-112.	2.6	22
33	An empirical study on the factors influencing the turnover intention of dentists in hospitals in Taiwan. Journal of Dental Sciences, 2014, 9, 332-344.	1.2	21
34	A comparison of stroke severity proxy measures for claims data research: a population-based cohort study. Pharmacoepidemiology and Drug Safety, 2016, 25, 438-443.	0.9	19
35	Two-stage credit rating prediction using machine learning techniques. Kybernetes, 2014, 43, 1098-1113.	1.2	18
36	Constructing Inpatient Pressure Injury Prediction Models Using Machine Learning Techniques. CIN - Computers Informatics Nursing, 2020, 38, 415-423.	0.3	18

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37	Considering online consumer reviews to predict movie box-office performance between the years 2009 and 2014 in the US. Electronic Library, 2018, 36, 1010-1026.	0.8	17
38	Applying the Temporal Abstraction Technique to the Prediction of Chronic Kidney Disease Progression. Journal of Medical Systems, 2017, 41, 85.	2.2	16
39	A Machine Learning Approach to Predicting Readmission or Mortality in Patients Hospitalized for Stroke or Transient Ischemic Attack. Applied Sciences (Switzerland), 2020, 10, 6337.	1.3	15
40	Developing a stroke alert trigger for clinical decision support at emergency triage using machine learning. International Journal of Medical Informatics, 2021, 152, 104505.	1.6	15
41	A Borda count approach to combine subjective and objective based MIS journal rankings. Online Information Review, 2014, 38, 469-483.	2.2	14
42	Empirical comparison of supervised learning techniques for missing value imputation. Knowledge and Information Systems, 2022, 64, 1047-1075.	2.1	13
43	Natural Language Processing Enhances Prediction of Functional Outcome After Acute Ischemic Stroke. Journal of the American Heart Association, 2021, 10, e023486.	1.6	12
44	Exploring the impact of intravenous thrombolysis on length of stay for acute ischemic stroke: a retrospective cohort study. BMC Health Services Research, 2015, 15, 404.	0.9	11
45	Building an associative classifier with multiple minimum supports. SpringerPlus, 2016, 5, 528.	1.2	11
46	Predicting the Failure of Dental Implants Using Supervised Learning Techniques. Applied Sciences (Switzerland), 2018, 8, 698.	1.3	11
47	An efficient data preprocessing approach for large scale medical data mining. Technology and Health Care, 2015, 23, 153-160.	0.5	10
48	Risk stratification for the early diagnosis of borderline personality disorder using psychiatric coâ€morbidities. Microbial Biotechnology, 2018, 12, 605-612.	0.9	10
49	A novel approach for mining cyclically repeated patterns with multiple minimum supports. Applied Soft Computing Journal, 2015, 28, 90-99.	4.1	9
50	High Risk of One-year Stroke Recurrence in Patients with Younger Age and Prior History of Ischemic Stroke. Current Neurovascular Research, 2019, 16, 250-257.	0.4	9
51	Critical Predictors for the Early Detection of Conversion From Unipolar Major Depressive Disorder to Bipolar Disorder: Nationwide Population-Based Retrospective Cohort Study. JMIR Medical Informatics, 2020, 8, e14278.	1.3	9
52	A similarity-based method for retrieving documents from the SCI/SSCI database. Journal of Information Science, 2006, 32, 449-464.	2.0	8
53	An adaptable and scalable group access control scheme for managing wireless sensor networks. Telematics and Informatics, 2013, 30, 144-157.	3.5	8
54	The Identification of Prolonged Length of Stay for Surgery Patients. , 2015, , .		8

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55	Soft estimation by hierarchical classification and regression. Neurocomputing, 2017, 234, 27-37.	3.5	8
56	Developing a novel recommender network-based ranking mechanism for library book acquisition. Electronic Library, 2017, 35, 50-68.	0.8	8
57	Citation impact analysis of research papers that appear in oral and poster sessions. Online Information Review, 2014, 38, 738-745.	2.2	7
58	Prediction of Preoperative Blood Preparation for Orthopedic Surgery Patients: A Supervised Learning Approach. Applied Sciences (Switzerland), 2018, 8, 1559.	1.3	7
59	Mining sequential patterns in the B2B environment. Journal of Information Science, 2009, 35, 677-694.	2.0	6
60	Applying machine learning techniques to the identification of late-onset hypogonadism in elderly men. SpringerPlus, 2016, 5, 729.	1.2	6
61	Early Prediction of Functional Outcomes After Acute Ischemic Stroke Using Unstructured Clinical Text: Retrospective Cohort Study. JMIR Medical Informatics, 2022, 10, e29806.	1.3	6
62	Research impact of general and funded papers. Online Information Review, 2016, 40, 472-480.	2.2	5
63	Integrating Feature and Instance Selection Techniques in Opinion Mining. International Journal of Data Warehousing and Mining, 2020, 16, 168-182.	0.4	5
64	Mining cyclic patterns with multiple minimum repetition supports. , 2011, , .		4
65	Machine Learning in High-Alert Medication Treatment: A Study on the Cardiovascular Drug. Applied Sciences (Switzerland), 2020, 10, 5798.	1.3	4
66	Factors affecting rocchio–based pseudorelevance feedback in image retrieval. Journal of the Association for Information Science and Technology, 2015, 66, 40-57.	1.5	3
67	A dynamic time warping approach for handling class imbalanced medical datasets with missing values: A case study of protein localization site prediction. Expert Systems With Applications, 2022, 192, 116437.	4.4	3
68	Classification of Time-Sequential Attributes by Using Sequential Pattern Rules. , 2007, , .		2
69	Prediction Model of Early Return to Hospital after Discharge Following Acute Ischemic Stroke. Current Neurovascular Research, 2019, 16, 348-357.	0.4	2
70	Dynamic access control for secure group communication in wireless sensor networks. , 2011, , .		1
71	An investigation of solutions for handling incomplete online review datasets with missing values. Journal of Experimental and Theoretical Artificial Intelligence, 2022, 34, 971-987.	1.8	1
72	Decision Support in Library Book Acquisition: A Social Computing-Based Approach. , 2011, , .		0

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73	On mining incomplete medical datasets: Ordering imputation and classification. Technology and Health Care, 2015, 23, 619-625.	0.5	0
74	The effect of region segmentation on object categorization. , 2016, , .		0
75	Early versus Late Dimensionality Reduction of Bag-of-Words Feature Representation for Image Classification. , 2017, , .		0
76	Determinants of Use of Long-term Continuous Electrocardiographic Monitoring for Acute Ischemic Stroke Patients without Atrial Fibrillation at Baseline. Current Neurovascular Research, 2020, 17, 224-231.	0.4	0
77	Predicting the Risk of Future Multiple Suicide Attempt among First-Time Suicide Attempters: Implications for Suicide Prevention Policy. Healthcare (Switzerland), 2022, 10, 667.	1.0	0