Chien-lung Chan

List of Publications by Year
in descending order

70 papers	1,703 citations	331670 21 h-index	302126 39 g-index
70 all docs	70 docs citations	70 times ranked	2142 citing authors

#	Article	IF	Citations
1	Impact of a patient-centered, computer-based health information/support system. American Journal of Preventive Medicine, 1999, 16, 1-9.	3.0	391
2	Who will pass? Analyzing learner behaviors in MOOCs. Research and Practice in Technology Enhanced Learning, 2016, 11, 8.	3.2	82
3	Development, acceptance, and use patterns of a computer-based education and social support system for people living with AIDS/HIV infection. Computers in Human Behavior, 1995, 11, 289-311.	8.5	72
4	Improving early prediction of academic failure using sentiment analysis on selfâ€evaluated comments. Journal of Computer Assisted Learning, 2018, 34, 358-365.	5.1	62
5	Epidemiological survey of orthopedic joint dislocations based on nationwide insurance data in Taiwan, 2000-2005. BMC Musculoskeletal Disorders, 2011, 12, 253.	1.9	59
6	Comparison of Models for the Prediction of Medical Costs of Spinal Fusion in Taiwan Diagnosis-Related Groups by Machine Learning Algorithms. Healthcare Informatics Research, 2018, 24, 29.	1.9	50
7	Estimated prevalence of orthopaedic fractures in Taiwanâ€"A cross-sectional study based on nationwide insurance data. Injury, 2010, 41, 1266-1272.	1.7	46
8	Epidemiology and socioeconomic features of appendicitis in Taiwan: a 12-year population-based study. World Journal of Emergency Surgery, 2015, 10, 42.	5.0	45
9	Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. Applied Mathematics and Computation, 2008, 205, 550-561.	2.2	42
10	The impact of software process standardization on software flexibility and project management performance: Control theory perspective. Information and Software Technology, 2008, 50, 889-896.	4.4	42
11	The Short-Term Effects of Ambient Air Pollutants on Childhood Asthma Hospitalization in Taiwan: A National Study. International Journal of Environmental Research and Public Health, 2019, 16, 203.	2.6	42
12	The impacts of user review on software responsiveness: Moderating requirements uncertainty. Information and Management, 2008, 45, 203-210.	6.5	38
13	Using an integrated COC index and multilevel measurements to verify the care outcome of patients with multiple chronic conditions. BMC Health Services Research, 2012, 12, 405.	2.2	35
14	Good Mortality Prediction by Glasgow Coma Scale for Neurosurgical Patients. Journal of the Chinese Medical Association, 2010, 73, 139-143.	1.4	33
15	Team Task Skills as a Facilitator for Application and Development Skills. IEEE Transactions on Engineering Management, 2008, 55, 434-441.	3.5	30
16	Application of a Time-Stratified Case-Crossover Design to Explore the Effects of Air Pollution and Season on Childhood Asthma Hospitalization in Cities of Differing Urban Patterns: Big Data Analytics of Government Open Data. International Journal of Environmental Research and Public Health, 2018, 15, 647.	2.6	29
17	The incidence and factors of hip fractures and subsequent morbidity in Taiwan: An 11-year population-based cohort study. PLoS ONE, 2018, 13, e0192388.	2.5	28
18	Outcome comparison between percutaneous cholecystostomy and cholecystectomy: a 10-year population-based analysis. BMC Surgery, 2017, 17, 130.	1.3	27

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19	Open Student Models of Core Competencies at the Curriculum Level: Using Learning Analytics for Student Reflection. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 32-44.	4.6	25
20	The association between the availability of ambulatory care and non-emergency treatment in emergency medicine departments: A comprehensive and nationwide validation. Health Policy, 2013, 110, 271-279.	3.0	24
21	Decision Model for Acute Appendicitis Treatment With Decision Tree Technology—A Modification of the Alvarado Scoring System. Journal of the Chinese Medical Association, 2010, 73, 401-406.	1.4	23
22	Epidemiology of Hospitalized Traumatic Pelvic Fractures and Their Combined Injuries in Taiwan: 2000–2011 National Health Insurance Data Surveillance. BioMed Research International, 2014, 2014, 1-9.	1.9	23
23	The Definition of a Prolonged Intensive Care Unit Stay for Spontaneous Intracerebral Hemorrhage Patients: An Application with National Health Insurance Research Database. BioMed Research International, 2014, 2014, 1-9.	1.9	23
24	Ambient Air Pollution and the Risk of Central Retinal Artery Occlusion. Ophthalmology, 2016, 123, 2603-2609.	5.2	23
25	Invasively-treated incidence of lower extremity peripheral arterial disease and associated factors in Taiwan: 2000–2011 nationwide hospitalized data analysis. BMC Public Health, 2013, 13, 1107.	2.9	22
26	Epidemiology of appendicitis and appendectomy for the low-income population in Taiwan, 2003–2011. BMC Gastroenterology, 2015, 15, 18.	2.0	22
27	Smartphone application personality and its relationship to personalities of smartphone users and social capital accrued through use of smartphone social applications. Telematics and Informatics, 2018, 35, 255-266.	5.8	20
28	Mining association language patterns using a distributional semantic model for negative life event classification. Journal of Biomedical Informatics, 2011, 44, 509-518.	4.3	19
29	A cautious PSO with conditional random. Expert Systems With Applications, 2015, 42, 4120-4125.	7.6	19
30	Identification of natural antimicrobial peptides from bacteria through metagenomic and metatranscriptomic analysis of high-throughput transcriptome data of Taiwanese oolong teas. BMC Systems Biology, 2017, 11, 131.	3.0	19
31	Effect of socioeconomic inequalities on cholecystectomy outcomes: a 10-year population-based analysis. International Journal for Equity in Health, 2018, 17, 22.	3.5	18
32	Liver cancer prediction in a viral hepatitis cohort: A deep learning approach. International Journal of Cancer, 2020, 147, 2871-2878.	5.1	17
33	The incidence, hospital expenditure, and, 30day and 1year mortality rates of spontaneous intracerebral hemorrhage in Taiwan. Journal of Clinical Neuroscience, 2014, 21, 91-94.	1.5	16
34	Emergency visits among end-of-life cancer patients in Taiwan: a nationwide population-based study. BMC Palliative Care, 2015, 14, 25.	1.8	16
35	Deep learning approaches for sleep disorder prediction in an asthma cohort. Journal of Asthma, 2021, 58, 903-911.	1.7	16
36	Deep Ensemble Learning Approaches in Healthcare to Enhance the Prediction and Diagnosing Performance: The Workflows, Deployments, and Surveys on the Statistical, Image-Based, and Sequential Datasets. International Journal of Environmental Research and Public Health, 2021, 18, 10811.	2.6	15

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37	Balancing four factors in system development projects. Communications of the ACM, 2009, 52, 118-121.	4.5	13
38	Intelligence modeling for coping strategies to reduce emergency department overcrowding in hospitals. Journal of Intelligent Manufacturing, 2012, 23, 2307-2318.	7.3	13
39	Patients receiving comprehensive periodontal treatment have better clinical outcomes than patients receiving conventional periodontal treatment. Journal of the Formosan Medical Association, 2016, 115, 152-162.	1.7	13
40	Does the Short-Term Effect of Air Pollution Influence the Incidence of Spontaneous Intracerebral Hemorrhage in Different Patient Groups? Big Data Analysis in Taiwan. International Journal of Environmental Research and Public Health, 2017, 14, 1547.	2.6	13
41	Differences in Spontaneous Intracerebral Hemorrhage Cases between Urban and Rural Regions of Taiwan: Big Data Analytics of Government Open Data. International Journal of Environmental Research and Public Health, 2017, 14, 1548.	2.6	12
42	Discovery of association rules in Metabolic Syndrome related diseases. , 2008, , .		11
43	Systemic lupus erythematosus is associated with poor outcome after acute myocardial infarction. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 1400-1407.	2.6	10
44	A Study of the Effects of Daily Physical Activity on Memory and Attention Capacities in College Students. Journal of Healthcare Engineering, 2018, 2018, 1-9.	1.9	9
45	Epidemiological study of orthopedic injuries in hemodialysis patients in Taiwan: a fixed cohort survey, 2004&ndash;2008. Clinical Interventions in Aging, 2013, 8, 301.	2.9	8
46	Trends and outcomes in the utilization of laparoscopic appendectomies in a low-income population in Taiwan from 2003 to 2011. International Journal for Equity in Health, 2015, 14, 100.	3.5	8
47	A survey of ambulatory-treated asthma and correlation with weather and air pollution conditions within Taiwan during 2001â€"2010. Journal of Asthma, 2019, 56, 799-807.	1.7	8
48	Big Data, Decision Models, and Public Health. International Journal of Environmental Research and Public Health, 2020, 17, 6723.	2.6	7
49	Concerns about Hash Cracking Aftereffect on Authentication Procedures in Applications of Cyberspace. IEEE Aerospace and Electronic Systems Magazine, 2007, 22, 3-7.	1.3	6
50	Constructing a novel mortality prediction model with Bayes theorem and genetic algorithm. Expert Systems With Applications, 2011, 38, 7924-7928.	7.6	6
51	Nationwide retrospective cohort survey of orthopedic injuries in members of the Taiwanese population with psychiatric disorders, 2000â€"2005. Journal of Orthopaedic Science, 2013, 18, 456-464.	1.1	6
52	Applying Deep Learning for Prediction Sleep Quality from Wearable Data. , 2020, , .		6
53	Treatment incidence of and medical utilization for hospitalized subjects with pathologic fractures in Taiwan-Survey of the 2008 National Health Insurance data. BMC Health Services Research, 2011, 11, 230.	2.2	4
54	Retrospective one-million-subject fixed-cohort survey of utilization of emergency departments due to traumatic causes in Taiwan, 2001â€"2010. World Journal of Emergency Surgery, 2016, 11, 41.	5.0	4

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55	Cost Effectiveness Analysis and Payment Policy Recommendation—Population-Based Survey with Big Data Methodology for Readmission Prevention of Patients with Paroxysmal Supraventricular Tachycardia treated with Radiofrequency Catheter Ablation. International Journal of Environmental Research and Public Health, 2020, 17, 2334.	2.6	4
56	Pre-Emergency-Department Care-Seeking Patterns Are Associated with the Severity of Presenting Condition for Emergency Department Visit and Subsequent Adverse Events: A Timeframe Episode Analysis. PLoS ONE, 2015, 10, e0127793.	2.5	4
57	Association between weather and utilisation of physical therapy in patients with osteoarthritis: a case-crossover study. BMC Musculoskeletal Disorders, 2022, 23, 269.	1.9	4
58	A method combining MAU and fuzzy logic for cooperative decision making. Computers and Industrial Engineering, 1998, 35, 291-294.	6.3	3
59	Investigation of diabetic microvascular complications using data mining techniques. , 2008, , .		3
60	An Agile Mortality Prediction Model: Hybrid Logarithm Least-Squares Support Vector Regression with Cautious Random Particle Swarm Optimization. International Journal of Computational Intelligence Systems, 2018, 11, 873.	2.7	3
61	Learning analytics on graduates' academic records to reflect on a competency-based curriculum. Computer Applications in Engineering Education, 2018, 26, 2168-2182.	3.4	2
62	Investigating the effect of daily sleep on memory capacity in college students. Technology and Health Care, 2019, 27, 183-194.	1.2	2
63	Decline in hospitalization for childhood asthma in different air pollution regions in Taiwan, 2001–2012. International Journal of Environmental Health Research, 2020, , 1-11.	2.7	2
64	Big Data, Decision Models, and Public Health. International Journal of Environmental Research and Public Health, 2022, 19, 8543.	2.6	2
65	Classification Method Incorporating Decision Tree with Particle Swarm Optimization. , 2011, , .		1
66	Design of an NGS MicroRNA predictor using multilayer hierarchical MapReduce framework. , 2015, , .		1
67	Outcomes in the Utilization of Single Percutaneous Cholecystostomy in a Low-Income Population. International Journal of Environmental Research and Public Health, 2017, 14, 1601.	2.6	1
68	Building a Decision Support Tool for Taiwan's National Health Insurance Data – An Application to Fractures Study. Smart Innovation, Systems and Technologies, 2012, , 407-417.	0.6	1
69	Use of best practices for a Web-based family health tree. , 2008, , .		0
70	The Epidemiology and Cost of Hospital-Treated Traumatic Brain Injuries. , 2018, , .		0