

Chien-lung Chan

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Big Data, Decision Models, and Public Health. International Journal of Environmental Research and Public Health, 2022, 19, 8543.	2.6	2
3	Deep learning approaches for sleep disorder prediction in an asthma cohort. Journal of Asthma, 2021, 58, 903-911.	1.7	16
4	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
5	Liver cancer prediction in a viral hepatitis cohort: A deep learning approach. International Journal of Cancer, 2020, 147, 2871-2878.	5.1	17
6	Big Data, Decision Models, and Public Health. International Journal of Environmental Research and Public Health, 2020, 17, 6723.	2.6	7
7	Decline in hospitalization for childhood asthma in different air pollution regions in Taiwan, 2001â€“2012. International Journal of Environmental Health Research, 2020, , 1-11.	2.7	2
8	Cost Effectiveness Analysis and Payment Policy Recommendationâ€”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
9	Applying Deep Learning for Prediction Sleep Quality from Wearable Data. , 2020, , .		6
10	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
11	Systemic lupus erythematosus is associated with poor outcome after acute myocardial infarction. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 1400-1407.	2.6	10
12	Investigating the effect of daily sleep on memory capacity in college students. Technology and Health Care, 2019, 27, 183-194.	1.2	2
13	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
14	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
15	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
16	The Epidemiology and Cost of Hospital-Treated Traumatic Brain Injuries. , 2018, , .		0
17	Learning analytics on graduatesâ€™ academic records to reflect on a competencyâ€“based curriculum. Computer Applications in Engineering Education, 2018, 26, 2168-2182.	3.4	2
18	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

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19	A Study of the Effects of Daily Physical Activity on Memory and Attention Capacities in College Students. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-9.	1.9	9
20	Effect of socioeconomic inequalities on cholecystectomy outcomes: a 10-year population-based analysis. <i>International Journal for Equity in Health</i> , 2018, 17, 22.	3.5	18
21	Comparison of Models for the Prediction of Medical Costs of Spinal Fusion in Taiwan Diagnosis-Related Groups by Machine Learning Algorithms. <i>Healthcare Informatics Research</i> , 2018, 24, 29.	1.9	50
22	The incidence and factors of hip fractures and subsequent morbidity in Taiwan: An 11-year population-based cohort study. <i>PLoS ONE</i> , 2018, 13, e0192388.	2.5	28
23	An Agile Mortality Prediction Model: Hybrid Logarithm Least-Squares Support Vector Regression with Cautious Random Particle Swarm Optimization. <i>International Journal of Computational Intelligence Systems</i> , 2018, 11, 873.	2.7	3
24	Open Student Models of Core Competencies at the Curriculum Level: Using Learning Analytics for Student Reflection. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2017, 5, 32-44.	4.6	25
25	Does the Short-Term Effect of Air Pollution Influence the Incidence of Spontaneous Intracerebral Hemorrhage in Different Patient Groups? Big Data Analysis in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1547.	2.6	13
26	Differences in Spontaneous Intracerebral Hemorrhage Cases between Urban and Rural Regions of Taiwan: Big Data Analytics of Government Open Data. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1548.	2.6	12
27	Outcomes in the Utilization of Single Percutaneous Cholecystostomy in a Low-Income Population. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1601.	2.6	1
28	Outcome comparison between percutaneous cholecystostomy and cholecystectomy: a 10-year population-based analysis. <i>BMC Surgery</i> , 2017, 17, 130.	1.3	27
29	Identification of natural antimicrobial peptides from bacteria through metagenomic and metatranscriptomic analysis of high-throughput transcriptome data of Taiwanese oolong teas. <i>BMC Systems Biology</i> , 2017, 11, 131.	3.0	19
30	Who will pass? Analyzing learner behaviors in MOOCs. <i>Research and Practice in Technology Enhanced Learning</i> , 2016, 11, 8.	3.2	82
31	Retrospective one-million-subject fixed-cohort survey of utilization of emergency departments due to traumatic causes in Taiwan, 2001-2010. <i>World Journal of Emergency Surgery</i> , 2016, 11, 41.	5.0	4
32	Ambient Air Pollution and the Risk of Central Retinal Artery Occlusion. <i>Ophthalmology</i> , 2016, 123, 2603-2609.	5.2	23
33	Patients receiving comprehensive periodontal treatment have better clinical outcomes than patients receiving conventional periodontal treatment. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 152-162.	1.7	13
34	Epidemiology and socioeconomic features of appendicitis in Taiwan: a 12-year population-based study. <i>World Journal of Emergency Surgery</i> , 2015, 10, 42.	5.0	45
35	Trends and outcomes in the utilization of laparoscopic appendectomies in a low-income population in Taiwan from 2003 to 2011. <i>International Journal for Equity in Health</i> , 2015, 14, 100.	3.5	8
36	Emergency visits among end-of-life cancer patients in Taiwan: a nationwide population-based study. <i>BMC Palliative Care</i> , 2015, 14, 25.	1.8	16

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37	Design of an NGS MicroRNA predictor using multilayer hierarchical MapReduce framework. , 2015, , .		1
38	A cautious PSO with conditional random. Expert Systems With Applications, 2015, 42, 4120-4125.	7.6	19
39	Epidemiology of appendicitis and appendectomy for the low-income population in Taiwan, 2003â€“2011. BMC Gastroenterology, 2015, 15, 18.	2.0	22
40	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
41	Epidemiology of Hospitalized Traumatic Pelvic Fractures and Their Combined Injuries in Taiwan: 2000â€“2011 National Health Insurance Data Surveillance. BioMed Research International, 2014, 2014, 1-9.	1.9	23
42	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
43	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
44	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
45	Invasively-treated incidence of lower extremity peripheral arterial disease and associated factors in Taiwan: 2000â€“2011 nationwide hospitalized data analysis. BMC Public Health, 2013, 13, 1107.	2.9	22
46	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
47	Epidemiological study of orthopedic injuries in hemodialysis patients in Taiwan: a fixed cohort survey, 2004–2008. Clinical Interventions in Aging, 2013, 8, 301.	2.9	8
48	Intelligence modeling for coping strategies to reduce emergency department overcrowding in hospitals. Journal of Intelligent Manufacturing, 2012, 23, 2307-2318.	7.3	13
49	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
50	Building a Decision Support Tool for Taiwanâ€™s National Health Insurance Data â€“ An Application to Fractures Study. Smart Innovation, Systems and Technologies, 2012, , 407-417.	0.6	1
51	Epidemiological survey of orthopedic joint dislocations based on nationwide insurance data in Taiwan, 2000-2005. BMC Musculoskeletal Disorders, 2011, 12, 253.	1.9	59
52	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
53	Constructing a novel mortality prediction model with Bayes theorem and genetic algorithm. Expert Systems With Applications, 2011, 38, 7924-7928.	7.6	6
54	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

#	ARTICLE	IF	CITATIONS
55	Classification Method Incorporating Decision Tree with Particle Swarm Optimization. , 2011, , .		1
56	Estimated prevalence of orthopaedic fractures in Taiwanâ€™A cross-sectional study based on nationwide insurance data. Injury, 2010, 41, 1266-1272.	1.7	46
57	Good Mortality Prediction by Glasgow Coma Scale for Neurosurgical Patients. Journal of the Chinese Medical Association, 2010, 73, 139-143.	1.4	33
58	Decision Model for Acute Appendicitis Treatment With Decision Tree Technologyâ€™A Modification of the Alvarado Scoring System. Journal of the Chinese Medical Association, 2010, 73, 401-406.	1.4	23
59	Balancing four factors in system development projects. Communications of the ACM, 2009, 52, 118-121.	4.5	13
60	Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. Applied Mathematics and Computation, 2008, 205, 550-561.	2.2	42
61	The impacts of user review on software responsiveness: Moderating requirements uncertainty. Information and Management, 2008, 45, 203-210.	6.5	38
62	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
63	Team Task Skills as a Facilitator for Application and Development Skills. IEEE Transactions on Engineering Management, 2008, 55, 434-441.	3.5	30
64	Investigation of diabetic microvascular complications using data mining techniques. , 2008, , .		3
65	Use of best practices for a Web-based family health tree. , 2008, , .		0
66	Discovery of association rules in Metabolic Syndrome related diseases. , 2008, , .		11
67	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
68	Impact of a patient-centered, computer-based health information/support system. American Journal of Preventive Medicine, 1999, 16, 1-9.	3.0	391
69	A method combining MAU and fuzzy logic for cooperative decision making. Computers and Industrial Engineering, 1998, 35, 291-294.	6.3	3
70	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