Yu-Chuan Li

List of Publications by Year
in descending order

126 papers	3,602 citations	159585 30 h-index	168389 53 g-index
132 all docs	132 docs citations	132 times ranked	6291 citing authors

#	Article	IF	Citations
1	Observational Health Data Sciences and Informatics (OHDSI): Opportunities for Observational Researchers. Studies in Health Technology and Informatics, 2015, 216, 574-8.	0.3	533
2	Benzodiazepine Use and Risk of Dementia in the Elderly Population: A Systematic Review and Meta-Analysis. Neuroepidemiology, 2016, 47, 181-191.	2.3	178
3	Prediction of sepsis patients using machine learning approach: A meta-analysis. Computer Methods and Programs in Biomedicine, 2019, 170, 1-9.	4.7	147
4	The usefulness and actual use of wearable devices among the elderly population. Computer Methods and Programs in Biomedicine, 2018, 153, 137-159.	4.7	139
5	Novel solutions for an old disease: Diagnosis of acute appendicitis with random forest, support vector machines, and artificial neural networks. Surgery, 2011, 149, 87-93.	1.9	118
6	Efficacy of omalizumab in patients with atopic dermatitis: AÂsystematic review and meta-analysis. Journal of Allergy and Clinical Immunology, 2016, 138, 1719-1722.e1.	2.9	106
7	Deep learning algorithms for detection of diabetic retinopathy in retinal fundus photographs: A systematic review and meta-analysis. Computer Methods and Programs in Biomedicine, 2020, 191, 105320.	4.7	102
8	Increased Risk of Dementia in Patients with Antidepressants: A Meta-Analysis of Observational Studies. Behavioural Neurology, 2018, 2018, 1-8.	2.1	97
9	mHealth: An updated systematic review with a focus on HIV/AIDS and tuberculosis long term management using mobile phones. Computer Methods and Programs in Biomedicine, 2015, 122, 257-265.	4.7	89
10	Association between Use of Statin and Risk of Dementia: A Meta-Analysis of Observational Studies. Neuroepidemiology, 2020, 54, 214-226.	2.3	68
11	Neural network modeling for surgical decisions on traumatic brain injury patients. International Journal of Medical Informatics, 2000, 57, 1-9.	3.3	66
12	Adverse outcomes of long-term use of proton pump inhibitors: a systematic review and meta-analysis. European Journal of Gastroenterology and Hepatology, 2018, 30, 1395-1405.	1.6	64
13	Statin Use and the Risk of Hepatocellular Carcinoma: A Meta-Analysis of Observational Studies. Cancers, 2020, 12, 671.	3.7	60
14	Assessment of Deep Learning Using Nonimaging Information and Sequential Medical Records to Develop a Prediction Model for Nonmelanoma Skin Cancer. JAMA Dermatology, 2019, 155, 1277.	4.1	52
15	Appropriateness of Overridden Alerts in Computerized Physician Order Entry: Systematic Review. JMIR Medical Informatics, 2020, 8, e15653.	2.6	51
16	Building a National Electronic Medical Record Exchange System â€“ Experiences in Taiwan. Computer Methods and Programs in Biomedicine, 2015, 121, 14-20.	4.7	49
17	Building a portable data and information interoperability infrastructureâ€”framework for a standard Taiwan Electronic Medical Record Template. Computer Methods and Programs in Biomedicine, 2007, 88, 102-111.	4.7	47
18	Machine Learning Prediction Models for Chronic Kidney Disease Using National Health Insurance Claim Data in Taiwan. Healthcare (Switzerland), 2021, 9, 546.	2.0	47

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19	Is Long-term Use of Benzodiazepine a Risk for Cancer?. Medicine (United States), 2015, 94, e483.	1.0	45
20	Empowering village doctors and enhancing rural healthcare using cloud computing in a rural area of mainland China. Computer Methods and Programs in Biomedicine, 2014, 113, 585-592.	4.7	44
21	Gender-based personalized pharmacotherapy: a systematic review. Archives of Gynecology and Obstetrics, 2017, 295, 1305-1317.	1.7	42
22	Association Between Atrial Fibrillation and Dementia: A Meta-Analysis. Frontiers in Aging Neuroscience, 2019, 11, 305.	3.4	41
23	Predicting Hospital-Acquired Infections by Scoring System with Simple Parameters. PLoS ONE, 2011, 6, e23137.	2.5	39
24	Easy and Low-Cost Identification of Metabolic Syndrome in Patients Treated With Second-Generation Antipsychotics. Journal of Clinical Psychiatry, 2010, 71, 225-234.	2.2	38
25	Artificial neural network prediction of clozapine response with combined pharmacogenetic and clinical data. Computer Methods and Programs in Biomedicine, 2008, 91, 91-99.	4.7	37
26	Enhanced YAP expression leads to EGFR TKI resistance in lung adenocarcinomas. Scientific Reports, 2018, 8, 271.	3.3	37
27	Artificial Intelligence in Ophthalmology: A Meta-Analysis of Deep Learning Models for Retinal Vessels Segmentation. Journal of Clinical Medicine, 2020, 9, 1018.	2.4	37
28	Physiciansâ€™ responses to computerized drugâ€“drug interaction alerts for outpatients. Computer Methods and Programs in Biomedicine, 2013, 111, 17-25.	4.7	36
29	Factors influencing consumer adoption of USB-based Personal Health Records in Taiwan. BMC Health Services Research, 2012, 12, 277.	2.2	35
30	Using machine learning models to predict the initiation of renal replacement therapy among chronic kidney disease patients. PLoS ONE, 2020, 15, e0233976.	2.5	35
31	Cancer-disease associations: A visualization and animation through medical big data. Computer Methods and Programs in Biomedicine, 2016, 127, 44-51.	4.7	34
32	Predicting hypotensive episodes during spinal anesthesia with the application of artificial neural networks. Computer Methods and Programs in Biomedicine, 2008, 92, 193-197.	4.7	33
33	Recent Advancement of Clinical Information Systems: Opportunities and Challenges. Yearbook of Medical Informatics, 2018, 27, 083-090.	1.0	33
34	LabPush: A pilot study of providing remote clinics with laboratory results via short message service (SMS) in Swaziland, Africa â€“ A qualitative study. Computer Methods and Programs in Biomedicine, 2015, 118, 77-83.	4.7	31
35	A richly interactive exploratory data analysis and visualization tool using electronic medical records. BMC Medical Informatics and Decision Making, 2015, 15, 92.	3.0	30
36	The Taiwanese method for providing patients data from multiple hospital EHR systems. Journal of Biomedical Informatics, 2011, 44, 326-332.	4.3	27

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37	Application of an Artificial Neural Network to Predict Postinduction Hypotension During General Anesthesia. Medical Decision Making, 2011, 31, 308-314.	2.4	27
38	The relationship between usage intention and adoption of electronic health records at primary care clinics. Computer Methods and Programs in Biomedicine, 2013, 112, 731-737.	4.7	26
39	Interactions between traditional Chinese medicine and western drugs in Taiwan: A population-based study. Computer Methods and Programs in Biomedicine, 2015, 122, 462-470.	4.7	26
40	Facebook use leads to health-care reform in Taiwan. Lancet, The, 2011, 377, 2083-2084.	13.7	25
41	Artificial-Intelligence-Based Prediction of Clinical Events among Hemodialysis Patients Using Non-Contact Sensor Data. Sensors, 2018, 18, 2833.	3.8	24
42	Applying an Artificial Neural Network to Predict Total Body Water in Hemodialysis Patients. American Journal of Nephrology, 2005, 25, 507-513.	3.1	23
43	Development and implementation of a national telehealth project for long-term care: A preliminary study. Computer Methods and Programs in Biomedicine, 2010, 97, 286-292.	4.7	23
44	Correlation between Diabetes Mellitus and Knee Osteoarthritis: A Dry-To-Wet Lab Approach. International Journal of Molecular Sciences, 2018, 19, 3021.	4.1	23
45	Association between benzodiazepines use and risk of hip fracture in the elderly people: A meta-analysis of observational studies. Joint Bone Spine, 2020, 87, 241-249.	1.6	23
46	Developing guideline-based decision support systems using protÃ©gÃ© and jess. Computer Methods and Programs in Biomedicine, 2011, 102, 288-294.	4.7	22
47	The Prevalence of Dry Eye Syndromeâ€™s and the Likelihood to Develop SjÃ¶grenâ€™s Syndrome in Taiwan: A Population-Based Study. International Journal of Environmental Research and Public Health, 2015, 12, 7647-7655.	2.6	22
48	The use of a CPOE log for the analysis of physiciansâ€™ behavior when responding to drug-duplication reminders. International Journal of Medical Informatics, 2008, 77, 499-506.	3.3	21
49	Meta-analysis of proton pump inhibitors induced risk of community-acquired pneumonia. International Journal for Quality in Health Care, 2020, 32, 292-299.	1.8	21
50	A guideline-based decision support for pharmacological treatment can improve the quality of hyperlipidemia management. Computer Methods and Programs in Biomedicine, 2010, 97, 280-285.	4.7	20
51	Study on the potential for delay tolerant networks by health workers in low resource settings. Computer Methods and Programs in Biomedicine, 2012, 107, 557-564.	4.7	20
52	LabPush: A Pilot Study of Providing Remote Clinics with Laboratory Results via Short Message Service (SMS) in Swaziland, Africa. PLoS ONE, 2012, 7, e44462.	2.5	20
53	A novel tool for visualizing chronic kidney disease associated polymorbidity: a 13-year cohort study in Taiwan. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 290-298.	4.4	20
54	Evaluation of user satisfaction and usability of a mobile app for smoking cessation. Computer Methods and Programs in Biomedicine, 2019, 182, 105042.	4.7	20

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55	A machine learning approach for predicting urine output after fluid administration. Computer Methods and Programs in Biomedicine, 2019, 177, 155-159.	4.7	20
56	Artificial Neural Network to Predict Skeletal Metastasis in Patients with Prostate Cancer. Journal of Medical Systems, 2009, 33, 91-100.	3.6	19
57	Opening the Black Box: Explaining the Process of Basing a Health Recommender System on the I-Change Behavioral Change Model. IEEE Access, 2019, 7, 176525-176540.	4.2	19
58	The effect of an integrated education model on anxiety and uncertainty in patients undergoing cervical disc herniation surgery. Computer Methods and Programs in Biomedicine, 2016, 133, 17-23.	4.7	18
59	Statins use and its impact in EGFRâ€TKIs resistance to prolong the survival of lung cancer patients: A Cancer registry cohort study in Taiwan. Cancer Science, 2020, 111, 2965-2973.	3.9	17
60	Machine Learning Approach to Reduce Alert Fatigue Using a Disease Medicationâ€“Related Clinical Decision Support System: Model Development and Validation. JMIR Medical Informatics, 2020, 8, e19489.	2.6	17
61	Using Health Smart Cards to Check Drug Allergy History: The Perspective from Taiwanâ€™s Experiences. Journal of Medical Systems, 2011, 35, 555-558.	3.6	16
62	Risk factors for ectopic pregnancy in the Taiwanese population: a retrospective observational study. Archives of Gynecology and Obstetrics, 2016, 294, 779-783.	1.7	16
63	A recommender system to quit smoking with mobile motivational messages: study protocol for a randomized controlled trial. Trials, 2018, 19, 618.	1.6	15
64	Increase Risk of Multiple Sclerosis in Patients with Psoriasis Disease: An Evidence of Observational Studies. Neuroepidemiology, 2019, 52, 152-160.	2.3	15
65	Potential drugâ€“drug interactions in pediatric outpatient prescriptions for newborns and infants. Computer Methods and Programs in Biomedicine, 2014, 113, 15-22.	4.7	14
66	A smart medication recommendation model for the electronic prescription. Computer Methods and Programs in Biomedicine, 2014, 117, 218-224.	4.7	14
67	A State-of-the-Art Survey on Artificial Intelligence to Fight COVID-19. Journal of Clinical Medicine, 2021, 10, 1961.	2.4	14
68	Development of Deep Learning Algorithm for Detection of Colorectal Cancer in EHR Data. Studies in Health Technology and Informatics, 2019, 264, 438-441.	0.3	14
69	Comorbidity as an Independent Risk Factor in Patients With Cancer. Asia-Pacific Journal of Public Health, 2015, 27, NP590-NP599.	1.0	12
70	Risk of Hemorrhagic Stroke in Patients Exposed to Nonsteroidal Anti-Inflammatory Drugs: A Meta-Analysis of Observational Studies. Neuroepidemiology, 2018, 51, 166-176.	2.3	12
71	Computer-Aided Bacillus Detection in Whole-Slide Pathological Images Using a Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2020, 10, 4059.	2.5	12
72	Metformin Use Is Associated with Decreased Mortality in COVID-19 Patients with Diabetes: Evidence from Retrospective Studies and Biological Mechanism. Journal of Clinical Medicine, 2021, 10, 3507.	2.4	12

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73	Proton Pump Inhibitor Use and Risk of Gastric Cancer: Current Evidence from Epidemiological Studies and Critical Appraisal. Cancers, 2022, 14, 3052.	3.7	12
74	Deep into Laboratory: An Artificial Intelligence Approach to Recommend Laboratory Tests. Diagnostics, 2021, 11, 990.	2.6	11
75	Alerts in Clinical Decision Support Systems (CDSS): A Bibliometric Review and Content Analysis. Healthcare (Switzerland), 2022, 10, 601.	2.0	11
76	A global travelers' electronic health record template standard for personal health records: Figure 1. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 134-136.	4.4	10
77	Risk of cancer in longâ€term levothyroxine users: Retrospective populationâ€based study. Cancer Science, 2021, 112, 2533-2541.	3.9	10
78	Utilizing different word representation methods for twitter data in adverse drug reactions extraction. , 2015, , .		9
79	Analysis of Dual Combination Therapies Used in Treatment of Hypertension in a Multinational Cohort. JAMA Network Open, 2022, 5, e223877.	5.9	9
80	Potential drug interactions in dermatologic outpatient prescriptionsâ€"experience from nationwide population-based study in Taiwan. Dermatologica Sinica, 2011, 29, 81-85.	0.5	8
81	Utilizing Health Information Technology to Support Universal Healthcare Delivery: Experience of a National Healthcare System. Telemedicine Journal and E-Health, 2015, 21, 742-747.	2.8	8
82	An automated technique to identify potential inappropriate traditional Chinese medicine (TCM) prescriptions. Pharmacoepidemiology and Drug Safety, 2016, 25, 422-430.	1.9	8
83	Levothyroxine use and the risk of breast cancer: a nation-wide population-based caseâ€"control study. Archives of Gynecology and Obstetrics, 2018, 298, 389-396.	1.7	8
84	Artificial Intelligence in Gastric Cancer: Identifying Gastric Cancer Using Endoscopic Images with Convolutional Neural Network. Cancers, 2021, 13, 5253.	3.7	8
85	Stratification of adverse outcomes by preoperative risk factors in coronary artery bypass graft patients: an artificial neural network prediction model. AMIA ... Annual Symposium proceedings, 2003, , 160-4.	0.2	8
86	Voice-based control system for smart hospital wards: a pilot study of patient acceptance. BMC Health Services Research, 2022, 22, 287.	2.2	8
87	Neuro-Fuzzy Technology as a Predictor of Parathyroid Hormone Level in Hemodialysis Patients. Tohoku Journal of Experimental Medicine, 2007, 211, 81-87.	1.2	7
88	A visual analysis approach to cohort study of electronic patient records. , 2014, , .		7
89	Using modified information delivery to enhance the traditional pharmacy OSCE program at TMU â€" a pilot study. Computer Methods and Programs in Biomedicine, 2018, 158, 147-152.	4.7	7
90	DeepDRG: Performance of Artificial Intelligence Model for Real-Time Prediction of Diagnosis-Related Groups. Healthcare (Switzerland), 2021, 9, 1632.	2.0	7

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91	Neural Network Modeling to Stratify Peritoneal Membrane Transporter in Predialytic Patients. Internal Medicine, 2006, 45, 663-664.	0.7	6
92	A method to manage and share anti-retroviral (ARV) therapy information of human immunodeficiency virus (HIV) patients in Vietnam. Computer Methods and Programs in Biomedicine, 2013, 111, 290-299.	4.7	6
93	Emergency department utilization can indicate early diagnosis of digestive tract cancers: A population-based study in Taiwan. Computer Methods and Programs in Biomedicine, 2014, 115, 103-109.	4.7	6
94	Profiling phenome-wide associations: a population-based observational study. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 896-899.	4.4	6
95	Healthcare quality-improvement and measurement strategies and its challenges ahead. International Journal for Quality in Health Care, 2019, 31, 1-1.	1.8	6
96	Sleep Quality among Breast and Prostate Cancer Patients: A Comparison between Subjective and Objective Measurements. Healthcare (Switzerland), 2021, 9, 785.	2.0	6
97	Choroidal Melanoma Prognosis. Ophthalmology, 2006, 113, 1474-1475.	5.2	5
98	Cross-domain probabilistic inference in a clinical decision support system: Examples for dermatology and rheumatology. Computer Methods and Programs in Biomedicine, 2011, 104, 286-291.	4.7	5
99	An Innovative Scoring System for Predicting Major Adverse Cardiac Events in Patients With Chest Pain Based on Machine Learning. IEEE Access, 2020, 8, 124076-124083.	4.2	5
100	A novel method to retrieve alerts from a homegrown Computerized Physician Order Entry (CPOE) system of an academic medical center: Comprehensive alert characteristic analysis. PLoS ONE, 2021, 16, e0246597.	2.5	5
101	Effects of a medical expert system on differential diagnosis of renal masses: A prospective study. Computerized Medical Imaging and Graphics, 1996, 20, 43-48.	5.8	4
102	Discrimination and calibration are concurrently required for model comparison. International Journal of Cardiology, 2006, 112, 245-246.	1.7	4
103	â€˜Improving smart medication managementâ€™: an online expert discussion. BMJ Health and Care Informatics, 2022, 29, e100540.	3.0	4
104	Embracing the era of wearable devices. Journal of the Formosan Medical Association, 2015, 114, 1029-1030.	1.7	3
105	A hackathon promoting Taiwanese health-IoT innovation. Computer Methods and Programs in Biomedicine, 2018, 163, 29-32.	4.7	3
106	A Tool to Retrieve Alert Dwell Time from a Homegrown Computerized Physician Order Entry (CPOE) System of an Academic Medical Center: An Exploratory Analysis. Applied Sciences (Switzerland), 2021, 11, 12004.	2.5	3
107	ADRs and smart health cards. Cmaj, 2006, 175, 385-385.	2.0	2
108	A model to personalize scheduling of complex prescriptions. Computer Methods and Programs in Biomedicine, 2011, 104, 514-519.	4.7	2

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109	Improving quality of care and patient safety as a priority. International Journal for Quality in Health Care, 2015, 27, 335-335.	1.8	2
110	Association between anxiety state and mitral valve disorders: A Taiwanese population-wide observational study. Computer Methods and Programs in Biomedicine, 2016, 132, 57-61.	4.7	2
111	AI in Medicine: Big Data Remains a Challenge. Computer Methods and Programs in Biomedicine, 2018, 164, A1.	4.7	2
112	Opportunities and challenges in Taiwan for implementing the learning health system. International Journal for Quality in Health Care, 2019, 31, 721-724.	1.8	2
113	Opinions regarding Virtual Reality among Older People in Taiwan. , 2020, , .		2
114	Early Diabetes Prediction: A Comparative Study Using Machine Learning Techniques. Studies in Health Technology and Informatics, 2022, , .	0.3	2
115	Monitor, reduce and prevent the adverse outcomes for ensuring patient safety. International Journal for Quality in Health Care, 2018, 30, 415-415.	1.8	1
116	Application of Basic Epidemiologic Principles and Electronic Health Records in a Deep Learning Prediction Modelâ€"Reply. JAMA Dermatology, 2020, 156, 474.	4.1	1
117	Acceptability of Virtual Reality among Older People. , 2019, , .		1
118	Clinical Usefulness of Drug-Disease Interaction Alerts from a Clinical Decision Support System, MedGuard, for Patient Safety: A Single Center Study. Studies in Health Technology and Informatics, 2022, , .	0.3	1
119	Assessing the Quality of Predictive Models for Classification. American Journal of Cardiology, 2005, 96, 323-324.	1.6	0
120	What is the better model in burn patients?. Burns, 2005, 31, 941.	1.9	0
121	Scaling up knowledge sharing to speed up quality improvement in healthcare organizations. International Journal for Quality in Health Care, 2019, 31, 655-656.	1.8	0
122	Is care safe today?. International Journal for Quality in Health Care, 2019, 31, 575-576.	1.8	0
123	Response to letter: â€˜Proton pump inhibitors therapy and the risk of major osteoporotic nonhip fractures in older adults in Taiwanâ€™. European Journal of Gastroenterology and Hepatology, 2019, 31, 276-276.	1.6	0
124	Improvements scale-up and rapid response systems in the hospitals. International Journal for Quality in Health Care, 2020, 32, 721-721.	1.8	0
125	Patients Perspectiveâ€"Benefits and Challenges of Artificial Intelligence. Lecture Notes in Bioengineering, 2021, , 79-88.	0.4	0
126	Using Artificial Intelligence for the Early Detection of Micro-Progression of Pressure Injuries in Hospitalized Patients: A Preliminary Nursing Perspective Evaluation. Studies in Health Technology and Informatics, 2022, , .	0.3	0