

Shiying Hao

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

979
citations

623734

14
h-index

526287

27
g-index

64
all docs

64
docs citations

64
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Incident Hypertension Within the Next Year: Prospective Study Using Statewide Electronic Health Records and Machine Learning. <i>Journal of Medical Internet Research</i> , 2018, 20, e22.	4.3	151
2	Risk Prediction of Emergency Department Revisit 30 Days Post Discharge: A Prospective Study. <i>PLoS ONE</i> , 2014, 9, e112944.	2.5	80
3	Fluid overload independent of acute kidney injury predicts poor outcomes in neonates following congenital heart surgery. <i>Pediatric Nephrology</i> , 2018, 33, 511-520.	1.7	59
4	Identification of elders at higher risk for fall with statewide electronic health records and a machine learning algorithm. <i>International Journal of Medical Informatics</i> , 2020, 137, 104105.	3.3	58
5	Development of an early-warning system for high-risk patients for suicide attempt using deep learning and electronic health records. <i>Translational Psychiatry</i> , 2020, 10, 72.	4.8	54
6	Web-based Real-Time Case Finding for the Population Health Management of Patients With Diabetes Mellitus: A Prospective Validation of the Natural Language Processing-Based Algorithm With Statewide Electronic Medical Records. <i>JMIR Medical Informatics</i> , 2016, 4, e37.	2.6	49
7	Development, Validation and Deployment of a Real Time 30 Day Hospital Readmission Risk Assessment Tool in the Maine Healthcare Information Exchange. <i>PLoS ONE</i> , 2015, 10, e0140271.	2.5	47
8	A Real-Time Early Warning System for Monitoring Inpatient Mortality Risk: Prospective Study Using Electronic Medical Record Data. <i>Journal of Medical Internet Research</i> , 2019, 21, e13719.	4.3	46
9	NLP based congestive heart failure case finding: A prospective analysis on statewide electronic medical records. <i>International Journal of Medical Informatics</i> , 2015, 84, 1039-1047.	3.3	38
10	Prediction of the 1-Year Risk of Incident Lung Cancer: Prospective Study Using Electronic Health Records from the State of Maine. <i>Journal of Medical Internet Research</i> , 2019, 21, e13260.	4.3	37
11	Prospective stratification of patients at risk for emergency department revisit: resource utilization and population management strategy implications. <i>BMC Emergency Medicine</i> , 2016, 16, 10.	1.9	26
12	Kinetics of SARS-CoV-2 positivity of infected and recovered patients from a single center. <i>Scientific Reports</i> , 2020, 10, 18629.	3.3	23
13	Estimating One-Year Risk of Incident Chronic Kidney Disease: Retrospective Development and Validation Study Using Electronic Medical Record Data From the State of Maine. <i>JMIR Medical Informatics</i> , 2017, 5, e21.	2.6	22
14	Online Prediction of Health Care Utilization in the Next Six Months Based on Electronic Health Record Information: A Cohort and Validation Study. <i>Journal of Medical Internet Research</i> , 2015, 17, e219.	4.3	20
15	Towards personalized medicine in maternal and child health: integrating biologic and social determinants. <i>Pediatric Research</i> , 2021, 89, 252-258.	2.3	19
16	Improved detection of prostate cancer using a magneto-nanosensor assay for serum circulating autoantibodies. <i>PLoS ONE</i> , 2019, 14, e0221051.	2.5	18
17	Changes in pregnancy-related serum biomarkers early in gestation are associated with later development of preeclampsia. <i>PLoS ONE</i> , 2020, 15, e0230000.	2.5	17
18	A Classification Tool for Differentiation of Kawasaki Disease from Other Febrile Illnesses. <i>Journal of Pediatrics</i> , 2016, 176, 114-120.e8.	1.8	16

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19	Defining and characterizing the critical transition state prior to the type 2 diabetes disease. PLoS ONE, 2017, 12, e0180937.	2.5	16
20	Real-Time Web-Based Assessment of Total Population Risk of Future Emergency Department Utilization: Statewide Prospective Active Case Finding Study. Interactive Journal of Medical Research, 2015, 4, e2.	1.4	14
21	Utility of Clinical Biomarkers to Predict Central Line-associated Bloodstream Infections After Congenital Heart Surgery. Pediatric Infectious Disease Journal, 2015, 34, 251-254.	2.0	13
22	The Correlation Between SPP1 and Immune Escape of EGFR Mutant Lung Adenocarcinoma Was Explored by Bioinformatics Analysis. Frontiers in Oncology, 2021, 11, 592854.	2.8	13
23	Unique Molecular Patterns Uncovered in Kawasaki Disease Patients with Elevated Serum Gamma Glutamyl Transferase Levels: Implications for Intravenous Immunoglobulin Responsiveness. PLoS ONE, 2016, 11, e0167434.	2.5	13
24	Exploring the Role of Polycythemia in Patients With Cyanosis After Palliative Congenital Heart Surgery*. Pediatric Critical Care Medicine, 2016, 17, 216-222.	0.5	12
25	High-throughput quantitation of serological ceramides/dihydroceramides by LC/MS/MS: Pregnancy baseline biomarkers and potential metabolic messengers. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113639.	2.8	12
26	Cerebrospinal fluid protein dynamic driver network: At the crossroads of brain tumorigenesis. Methods, 2015, 83, 36-43.	3.8	11
27	Prediction for Intravenous Immunoglobulin Resistance Combining Genetic Risk Loci Identified From Next Generation Sequencing and Laboratory Data in Kawasaki Disease. Frontiers in Pediatrics, 2020, 8, 462367.	1.9	7
28	Sensing methodology for in vivo stability evaluation of total hip and knee arthroplasty. Sensors and Actuators A: Physical, 2010, 157, 150-160.	4.1	6
29	Maternal metabolic profiling to assess fetal gestational age and predict preterm delivery: a two-centre retrospective cohort study in the US. BMJ Open, 2020, 10, e040647.	1.9	6
30	Electronic Health Record-Based Prediction of 1-Year Risk of Incident Cardiac Dysrhythmia: Prospective Case-Finding Algorithm Development and Validation Study. JMIR Medical Informatics, 2021, 9, e23606.	2.6	6
31	Identification of patients at risk of new onset heart failure: Utilizing a large statewide health information exchange to train and validate a risk prediction model. PLoS ONE, 2021, 16, e0260885.	2.5	6
32	Multicentre validation of a computer-based tool for differentiation of acute Kawasaki disease from clinically similar febrile illnesses. Archives of Disease in Childhood, 2020, 105, 772-777.	1.9	5
33	Early-pregnancy prediction of risk for pre-eclampsia using maternal blood leptin/ceramide ratio: discovery and confirmation. BMJ Open, 2021, 11, e050963.	1.9	5
34	An implantable system for the in vivo measurement of Hip and Knee migration and micromotion. , 2008, , .		4
35	An implantable electronic system for in-vivo stability evaluation of prosthesis in Total Hip and Knee Arthroplasty. , 2009, , .		4
36	Urinary Colorimetric Sensor Array and Algorithm to Distinguish Kawasaki Disease from Other Febrile Illnesses. PLoS ONE, 2016, 11, e0146733.	2.5	4

#	ARTICLE	IF	CITATIONS
37	Assessing Statewide All-Cause Future One-Year Mortality: Prospective Study With Implications for Quality of Life, Resource Utilization, and Medical Futility. <i>Journal of Medical Internet Research</i> , 2018, 20, e10311.	4.3	4
38	Some Recent Developments in the Design of Biopotential Amplifiers for ENG Recording Systems. , 2006, , .		3
39	Risk prediction of stroke: A prospective statewide study on patients in Maine. , 2015, , .		3
40	A self-calibration method for an implantable displacement sensor. , 2013, , .		2
41	SCIMITAR: Subject-carried implant monitoring inductive telemetric ambulatory reader for remote data acquisition from implanted orthopaedic prostheses. <i>Medical Engineering and Physics</i> , 2014, 36, 405-411.	1.7	2
42	Pertussis-like syndrome often not associated with <i>Bordetella pertussis</i> : 5-year study in a large children's hospital. <i>Infectious Diseases</i> , 2020, 52, 736-742.	2.8	2
43	A closed-loop inductive power control system for an instrumented strain sensing tibial implant. , 2014, 2014, 6553-6.		1
44	Risk prediction for future 6-month healthcare resource utilization in Maine. , 2015, , .		1
45	Deviation from the precisely timed age-associated patterns revealed by blood metabolomics to find CRC patients at risk of relapse at the CRC diagnosis.. <i>Journal of Clinical Oncology</i> , 2022, 40, 206-206.	1.6	1
46	Gestational Dating by Urine Metabolic Profile at High Resolution Weekly Sampling Timepoints: Discovery and Validation. <i>Frontiers in Molecular Medicine</i> , 2022, 2, .	1.9	1
47	CSF protein dynamic driver network: At the crossroads of brain tumorigenesis. , 2014, , .		0
48	A proteomic clock for malignant gliomas: The role of the environment in tumorigenesis at the presymptomatic stage. <i>PLoS ONE</i> , 2019, 14, e0223558.	2.5	0
49	Predicting 1-year mortality of acute kidney injury: a risk model using electronic health records. , 2021, , .		0
50	Multi-omics longitudinal analyses in stages I to III CRC patients: Surveillance liquid biopsy test to predict early recurrence and enable risk-stratified postoperative CRC management.. <i>Journal of Clinical Oncology</i> , 2021, 39, 3613-3613.	1.6	0
51	Kinetics of SARS-CoV-2 Positivity of Infected and Recovered Patients: A Single Center COVID-19 Experience and Potential Implications. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0