

Siaw-Teng Liaw

List of Publications by Year in descending order

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Version: 2024-02-01

133
papers

2,557
citations

257450

24
h-index

254184

43
g-index

140
all docs

140
docs citations

140
times ranked

3801
citing authors

#	ARTICLE	IF	CITATIONS
1	A Harmonized Data Quality Assessment Terminology and Framework for the Secondary Use of Electronic Health Record Data. EGEMS (Washington, DC), 2017, 4, 18.	2.0	274
2	Towards an ontology for data quality in integrated chronic disease management: A realist review of the literature. International Journal of Medical Informatics, 2013, 82, 10-24.	3.3	132
3	Patient access to electronic health records: Differences across ten countries. Health Policy and Technology, 2018, 7, 44-56.	2.5	105
4	Stroke in Rural Areas and Small Communities. Stroke, 2008, 39, 1920-1928.	2.0	104
5	Developing a conceptual understanding of rural health practice. Australian Journal of Rural Health, 2004, 12, 181-186.	1.5	103
6	Artificial Intelligence in Primary Health Care: Perceptions, Issues, and Challenges. Yearbook of Medical Informatics, 2019, 28, 041-046.	1.0	80
7	Perceived need for mental health care: influences of diagnosis, demography and disability. Psychological Medicine, 2002, 32, 299-309.	4.5	78
8	Determinants of readiness to adopt mHealth in a rural community of Bangladesh. International Journal of Medical Informatics, 2015, 84, 847-856.	3.3	78
9	Australian rural football club leaders as mental health advocates: an investigation of the impact of the Coach the Coach project. International Journal of Mental Health Systems, 2010, 4, 10.	2.7	75
10	Successful chronic disease care for Aboriginal Australians requires cultural competence. Australian and New Zealand Journal of Public Health, 2011, 35, 238-248.	1.8	68
11	Coronary artery disease risk assessment from unstructured electronic health records using text mining. Journal of Biomedical Informatics, 2015, 58, S203-S210.	4.3	62
12	From telehealth to virtual primary care in Australia? A Rapid scoping review. International Journal of Medical Informatics, 2021, 151, 104470.	3.3	50
13	Integrating electronic health record information to support integrated care: Practical application of ontologies to improve the accuracy of diabetes disease registers. Journal of Biomedical Informatics, 2014, 52, 364-372.	4.3	46
14	Community readiness for adopting mHealth in rural Bangladesh: A qualitative exploration. International Journal of Medical Informatics, 2016, 93, 49-56.	3.3	45
15	Gender differentials in readiness and use of mHealth services in a rural area of Bangladesh. BMC Health Services Research, 2017, 17, 573.	2.2	44
16	Social business as an entrepreneurship model in emerging economy. Management Decision, 2019, 57, 1145-1161.	3.9	40
17	Identifying patient safety problems associated with information technology in general practice: an analysis of incident reports: Table A1. BMJ Quality and Safety, 2016, 25, 870-880.	3.7	39
18	Improving patient-doctor concordance: an intervention study in general practice. Family Practice, 1996, 13, 427-431.	1.9	38

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19	Quality assessment of real-world data repositories across the data life cycle: A literature review. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1591-1599.	4.4	36
20	Validating an ontology-based algorithm to identify patients with Type 2 Diabetes Mellitus in Electronic Health Records. <i>International Journal of Medical Informatics</i> , 2014, 83, 768-778.	3.3	35
21	Health reform: Is routinely collected electronic information fit for purpose?. <i>EMA - Emergency Medicine Australasia</i> , 2012, 24, 57-63.	1.1	34
22	“Why Didn’t it Work?” Lessons From a Randomized Controlled Trial of a Web-based Personally Controlled Health Management System for Adults with Asthma. <i>Journal of Medical Internet Research</i> , 2015, 17, e283.	4.3	34
23	Rural eHealth paradox: It's not just geography!. <i>Australian Journal of Rural Health</i> , 2006, 14, 95-98.	1.5	33
24	Structured data quality reports to improve EHR data quality. <i>International Journal of Medical Informatics</i> , 2015, 84, 1094-1098.	3.3	33
25	mHealth for Integrated People-Centred Health Services in the Western Pacific: A Systematic Review. <i>International Journal of Medical Informatics</i> , 2020, 142, 104259.	3.3	27
26	Ethical Use of Electronic Health Record Data and Artificial Intelligence: Recommendations of the Primary Care Informatics Working Group of the International Medical Informatics Association. <i>Yearbook of Medical Informatics</i> , 2020, 29, 051-057.	1.0	27
27	Defining datasets and creating data dictionaries for quality improvement and research in chronic disease using routinely collected data: an ontology-driven approach. <i>Journal of Innovation in Health Informatics</i> , 2011, 19, 127-134.	0.9	27
28	Identification and Progression of Heart Disease Risk Factors in Diabetic Patients from Longitudinal Electronic Health Records. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	25
29	Primary Care Informatics Response to Covid-19 Pandemic: Adaptation, Progress, and Lessons from Four Countries with High ICT Development. <i>Yearbook of Medical Informatics</i> , 2021, 30, 044-055.	1.0	24
30	Multidisciplinary care: experience of patients with complex needs. <i>Australian Journal of Primary Health</i> , 2014, 20, 20.	0.9	23
31	Which Bundles of Features in a Web-Based Personally Controlled Health Management System Are Associated With Consumer Help-Seeking Behaviors for Physical and Emotional Well-Being?. <i>Journal of Medical Internet Research</i> , 2013, 15, e79.	4.3	23
32	Machine Learning Approaches to Identify Patient Comorbidities and Symptoms That Increased Risk of Mortality in COVID-19. <i>Diagnostics</i> , 2021, 11, 1383.	2.6	21
33	An interactive workshop plus locally adapted guidelines can improve General Practitioners asthma management and knowledge: A cluster randomised trial in the Australian setting. <i>BMC Family Practice</i> , 2008, 9, 22.	2.9	19
34	Routine use of clinical management guidelines in Australian general practice. <i>Australian Journal of Primary Health</i> , 2014, 20, 41.	0.9	19
35	An algorithm to improve diagnostic accuracy in diabetes in computerised problem orientated medical records (POMR) compared with an established algorithm developed in episode orientated records (EOMR). <i>Journal of Innovation in Health Informatics</i> , 2015, 22, 255-264.	0.9	19
36	UK National Data Guardian for Health and Care’s Review of Data Security: Trust, better security and opt-outs. <i>Journal of Innovation in Health Informatics</i> , 2016, 23, 627.	0.9	19

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37	Using routinely collected health data for surveillance, quality improvement and research: Framework and key questions to assess ethics, privacy and data access. <i>Journal of Innovation in Health Informatics</i> , 2015, 22, 426-432.	0.9	18
38	Preventing chronic disease in patients with low health literacy using eHealth and teamwork in primary healthcare: protocol for a cluster randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e023239.	1.9	18
39	Assessment of readiness to prevent type 2 diabetes in a population of rural women with a history of gestational diabetes. <i>Rural and Remote Health</i> , 2007, 7, 802.	0.5	18
40	Cultural respect in general practice: a cluster randomised controlled trial. <i>Medical Journal of Australia</i> , 2019, 210, 263-268.	1.7	17
41	Knowledge co-creation in participatory policy and practice: Building community through data-driven direct democracy. <i>Big Data and Society</i> , 2021, 8, 205395172110194.	4.5	17
42	Data extraction from electronic health records - existing tools may be unreliable and potentially unsafe. <i>Australian Family Physician</i> , 2013, 42, 820-3.	0.5	17
43	Emergency and primary care at a Melbourne hospital: reasons for attendance and satisfaction. <i>Australian Health Review</i> , 2001, 24, 120.	1.1	16
44	A digital health profile & maturity assessment toolkit: cocreation and testing in the Pacific Islands. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 494-503.	4.4	16
45	An integrated organisation-wide data quality management and information governance framework: theoretical underpinnings. <i>Journal of Innovation in Health Informatics</i> , 2014, 21, 199-206.	0.9	16
46	Social and Self-Reflective Use of a Web-Based Personally Controlled Health Management System. <i>Journal of Medical Internet Research</i> , 2013, 15, e211.	4.3	16
47	Seek COVER: using a disease proxy to rapidly develop and validate a personalized risk calculator for COVID-19 outcomes in an international network. <i>BMC Medical Research Methodology</i> , 2022, 22, 35.	3.1	13
48	Falls Prevention within the Australian General Practice Data Model: Methodology, Information Model, and Terminology Issues. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2003, 10, 425-432.	4.4	12
49	Defining dimensions of research readiness: a conceptual model for primary care research networks. <i>BMC Family Practice</i> , 2014, 15, 169.	2.9	12
50	The informatics capability maturity of integrated primary care centres in Australia. <i>International Journal of Medical Informatics</i> , 2017, 105, 89-97.	3.3	12
51	Implementation of the COVID-19 Vulnerability Index Across an International Network of Health Care Data Sets: Collaborative External Validation Study. <i>JMIR Medical Informatics</i> , 2021, 9, e21547.	2.6	11
52	Access to same day, next day and after-hours appointments: the views of Australian general practitioners. <i>Australian Health Review</i> , 2012, 36, 325.	1.1	11
53	Doctors' perceptions and attitudes to prescribing within the Authority Prescribing System. <i>Medical Journal of Australia</i> , 2003, 178, 203-206.	1.7	10
54	Toolkits for implementing and evaluating digital health: A systematic review of rigor and reporting. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1298-1307.	4.4	10

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55	An Internet Intervention to Improve Asthma Management: Rationale and Protocol of a Randomized Controlled Trial. JMIR Research Protocols, 2013, 2, e28.	1.0	10
56	Factors Influencing Access to Urban General Practices and Primary Health Care by Aboriginal Australiansâ€”A Qualitative Study. AlterNative, 2012, 8, 66-84.	1.5	9
57	A preliminary study of the relationship between general practice care and hospitalisation using a diabetes register, CARDIAB. Australian Health Review, 2013, 37, 210.	1.1	9
58	A longitudinal cohort study of HIV â€”treatment as preventionâ€™™ in gay, bisexual and other men who have sex with men: the Treatment with Antiretrovirals and their Impact on Positive And Negative men (TAIPAN) study protocol. BMC Infectious Diseases, 2016, 16, 752.	2.9	9
59	Adoption of enterprise architecture for healthcare in AeHIN member countries. BMJ Health and Care Informatics, 2020, 27, e100136.	3.0	9
60	A compulsory experiential and inter-professional rural health subject for undergraduate students. Rural and Remote Health, 2005, 5, 460.	0.5	9
61	Improving cultural respect to improve Aboriginal health in general practice: a multi-methods and multi-perspective pragmatic study. Australian Family Physician, 2015, 44, 387-92.	0.5	9
62	Optimising the use of observational electronic health record data: Current issues, evolving opportunities, strategies and scope for collaboration. Australian Family Physician, 2016, 45, 153-6.	0.5	9
63	â€œDigital Health Diplomacyâ€”in Global Digital Health? A call for critique and discourse. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1019-1024.	4.4	9
64	Clinical, information and business process modeling to promote development of safe and flexible software. Health Informatics Journal, 2006, 12, 199-211.	2.1	8
65	An â€œintegrated health neighbourhoodâ€”framework to optimise the use of EHR data. Journal of Innovation in Health Informatics, 2016, 23, 547.	0.9	8
66	Mining Electronic Health Records to Guide and Support Clinical Decision Support Systems. Advances in Healthcare Information Systems and Administration Book Series, 2016, , 252-269.	0.2	8
67	Accelerating the development of an information ecosystem in health care, by stimulating the growth of safe intermediate processing of health information (IPHI). Journal of Innovation in Health Informatics, 2013, 20, 82-86.	0.9	8
68	Data quality and fitness for purpose of routinely collected data—a general practice case study from an electronic practice-based research network (ePBRN). AMIA ... Annual Symposium proceedings, 2011, 2011, 785-94.	0.2	8
69	What are the barriers to conducting international research using routinely collected primary care data?. Studies in Health Technology and Informatics, 2011, 165, 135-40.	0.3	8
70	Continuing medical education for asthma in primary care settings: a review of randomised controlled trials. Primary Care Respiratory Journal: Journal of the General Practice Airways Group, 2003, 12, 119-123.	2.3	7
71	Can we trust the PCEHR not to leak?. Medical Journal of Australia, 2011, 195, 222-222.	1.7	7
72	Ontological specification of quality of chronic disease data in EHRs to support decision analytics: a realist review. Decision Analytics, 2014, 1, .	1.4	7

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73	Is there a role for a primary health nurse in a learning support team in a disadvantaged high school? Evaluation of a pilot study. Australian Journal of Primary Health, 2016, 22, 530.	0.9	7
74	Statistical supervised meta-ensemble algorithm for medical record linkage. Journal of Biomedical Informatics, 2019, 95, 103220.	4.3	7
75	Doctor and pharmacist — back to the apothecary!. Australian Health Review, 2009, 33, 268.	1.1	6
76	Benefit-risk of Patients' Online Access to their Medical Records: Consensus Exercise of an International Expert Group. Yearbook of Medical Informatics, 2018, 27, 156-162.	1.0	6
77	Comparison of the cohort selection performance of Australian Medicines Terminology to Anatomical Therapeutic Chemical mappings. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1237-1246.	4.4	6
78	National Heart Foundation of Australia: position statement on coronary artery calcium scoring for the primary prevention of cardiovascular disease in Australia. Medical Journal of Australia, 2021, 214, 434-439.	1.7	6
79	Computer aided prescribing: Decision support needs to be evidence based. BMJ: British Medical Journal, 2004, 328, 1566.2.	2.3	6
80	A preliminary study on automatic identification of patient smoking status in unstructured electronic health records. , 2015, , .		6
81	Development of a Methodological Approach for Data Quality Ontology in Diabetes Management. International Journal of E-Health and Medical Communications, 2014, 5, 58-77.	1.6	5
82	Psychological distress among Vietnamese adults attending Vietnamese-speaking general practices in South Western Sydney: prevalence and associations. Australian Journal of Primary Health, 2016, 22, 354.	0.9	5
83	A case study of well child care visits at general practices in a region of disadvantage in Sydney. PLoS ONE, 2018, 13, e0205235.	2.5	5
84	Linking observational data from general practice, hospital admissions and diabetes clinic databases: can it be used to predict hospital admission?. BMC Health Services Research, 2019, 19, 526.	2.2	5
85	Guest editorial: Special issue in biomedical data quality assessment methods. Computer Methods and Programs in Biomedicine, 2019, 181, 104954.	4.7	5
86	â€˜Serious Gamesâ€™™ for unboxing Global Digital Health policymaking. BMJ Simulation and Technology Enhanced Learning, 2020, 6, 255-256.	0.7	5
87	A New Method for Estimating the Incidence of Infectious Diseases. American Journal of Epidemiology, 2021, 190, 1386-1395.	3.4	5
88	How integrated are services for patients with chronic obstructive pulmonary disease? Perceptions of patients and health care providers. Australian Journal of Primary Health, 2014, 20, 158.	0.9	5
89	Unravelling the tangled taxonomies of health informatics. Journal of Innovation in Health Informatics, 2014, 21, 152-155.	0.9	5
90	Genetics and genomics in general practice. Australian Family Physician, 2010, 39, 689-91.	0.5	5

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91	Consumers' online social network topologies and health behaviours. <i>Studies in Health Technology and Informatics</i> , 2013, 192, 77-81.	0.3	5
92	A survey of Sydney general practitioners' management of patients with chronic hepatitis B. <i>Medical Journal of Australia</i> , 2016, 204, 74-74.	1.7	4
93	Evaluation of Digital Health & Information Technology in Primary Care. <i>International Journal of Medical Informatics</i> , 2020, 144, 104285.	3.3	4
94	Digital Health, Social Enterprise & Citizen Engagement in Integrated People-Centered Health Services: A hermeneutic systematic review and preliminary framework synthesis. <i>International Journal of Integrated Care</i> , 2021, 20, 196.	0.2	4
95	Effect of Seasonal Variation on Clinical Outcome in Patients with Chronic Conditions: Analysis of the Commonwealth Scientific and Industrial Research Organization (CSIRO) National Telehealth Trial. <i>JMIR Medical Informatics</i> , 2018, 6, e16.	2.6	4
96	A Realist Synthesis of Literature Informing Programme Theories for Well Child Care in Primary Health Systems of Developed Economies. <i>International Journal of Integrated Care</i> , 2019, 19, 5.	0.2	4
97	General practice - engaging the online social networking revolution. <i>Australian Family Physician</i> , 2010, 39, 809-10.	0.5	4
98	The development and pilot testing of a Focused Education and Psychotherapy Program (FEPP) for treatment of depression in general practice. <i>Australasian Psychiatry</i> , 2002, 10, 268-274.	0.7	3
99	The management of severe hypertension in Australian general practice. <i>BMC Health Services Research</i> , 2013, 13, 414.	2.2	3
100	Community health alliances as social enterprises that digitally engage citizens and integrate services: A case study in Southwestern Sydney (protocol). <i>Digital Health</i> , 2020, 6, 205520762093011.	1.8	3
101	Mining Electronic Health Records to Guide and Support Clinical Decision Support Systems. , 2017, , 184-201.		3
102	Reporting of Studies Conducted using Observational Routinely Collected Data (RECORD) statement: call for contributions from the clinical informatics community. <i>Informatics in Primary Care</i> , 2012, 20, 221-4.	1.1	3
103	Impact of data quality assessment on development of clinical predictive models. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 1069.	0.3	3
104	Generation of Surrogates for De-Identification of Electronic Health Records. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 70-73.	0.3	3
105	Lessons from the NHS National Programme for IT. <i>Medical Journal of Australia</i> , 2007, 186, 607-607.	1.7	2
106	Close the Gap: ask the experts. <i>Medical Journal of Australia</i> , 2009, 191, 582-583.	1.7	2
107	Applying "big data" and business intelligence insights to improving clinical care for cancer. , 2015, ,		2
108	A Pilot Study for Understanding the Perceptions of Australian General Practitioners Regarding Psychopharmacology for Children With Autism Spectrum Disorders. <i>Journal of Primary Care and Community Health</i> , 2016, 7, 258-264.	2.1	2

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109	Integrated Health Care “a population health approach in South Western Sydney. International Journal of Integrated Care, 2014, 14, .	0.2	2
110	Electronic health records and disease registries to support integrated care in a health neighbourhood: an ontology-based methodology. AMIA Summits on Translational Science Proceedings, 2014, 2014, 50-4.	0.4	2
111	Editorial: Special issue on “The Primary Care Informatics response to COVID-19”: International Journal of Medical Informatics, 2022, 160, 104690.	3.3	2
112	Is an indexed database publications database for the Asia Pacific region feasible?. Asia Pacific Family Medicine, 2002, 1, 33-36.	0.4	1
113	Cultural respect in general practice: a cluster randomised controlled trial. Medical Journal of Australia, 2019, 211, 43.	1.7	1
114	eConsulting. Methods in Molecular Medicine, 2008, 141, 353-373.	0.8	1
115	TMUNSW: Identification of Disorders and Normalization to SNOMED-CT Terminology in Unstructured Clinical Notes. , 2015, , .		1
116	Use of mHealth for promoting healthy ageing and supporting delivery of age-friendly care services: a systematic review. International Journal of Integrated Care, 2019, 19, 147.	0.2	1
117	RACGP training registrars' perceptions and practice of prostate cancer screening. Australian Family Physician, 2004, 33, 188-90.	0.5	1
118	Primary care informatics and integrated care. Studies in Health Technology and Informatics, 2010, 151, 255-68.	0.3	1
119	Clinical health informatics education for a 21st Century World. Studies in Health Technology and Informatics, 2010, 151, 479-91.	0.3	1
120	Ethical research or research ethics?. Australian Family Physician, 2015, 44, 522-3.	0.5	1
121	Safe and effective cultural mentorship in general practice. Australian Family Physician, 2016, 45, 431-6.	0.5	1
122	Ontology for Data Quality and Chronic Disease Management. Advances in Healthcare Information Systems and Administration Book Series, 2015, , 303-331.	0.2	0
123	Development of a Methodological Approach for Data Quality Ontology in Diabetes Management. , 2016, , 444-465.		0
124	eHealth and Integrated Primary Health Care Centres. International Journal of Integrated Care, 2017, 17, 42.	0.2	0
125	Integrated Healthcare Homes & Neighbourhoods: governance, clinical, managerial & evaluation matters. International Journal of Integrated Care, 2017, 17, 43.	0.2	0
126	Barriers to optimal screening and vaccination of hepatitis B contacts: a survey of general practitioners in NSW, Australia. Public Health Research and Practice, 2017, 27, .	1.5	0

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127	Integrating Health Care – Our Journey Continues. International Journal of Integrated Care, 2018, 18, 309.	0.2	0
128	General practice research: an investment to improve the health of all Australians. Medical Journal of Australia, 2020, 212, 398.	1.7	0
129	General practice and computing standards. Australian Family Physician, 2002, 31, 509-14.	0.5	0
130	Clinical decision support implementations. Studies in Health Technology and Informatics, 2010, 151, 296-311.	0.3	0
131	Decision support systems—a general practice research journey. Australian Family Physician, 2011, 40, 711.	0.5	0
132	HoMER - an opportunity or threat to general practice research?. Australian Family Physician, 2011, 40, 1016-7.	0.5	0
133	Research ethics and approval process: A guide for new GP researchers. Australian Family Physician, 2015, 44, 419-22.	0.5	0