Clement J Mcdonald

List of Publications by Year
in descending order

129	10,322	44069 48	32842 100
papers	citations	h-index	g-index

129	129	129	7059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protocol-Based Computer Reminders, the Quality of Care and the Non-Perfectability of Man. New England Journal of Medicine, 1976, 295, 1351-1355.	27.0	771
2	Reminders to Physicians from an Introspective Computer Medical Record. Annals of Internal Medicine, 1984, 100, 130.	3.9	574
3	A Computerized Reminder System to Increase the Use of Preventive Care for Hospitalized Patients. New England Journal of Medicine, 2001, 345, 965-970.	27.0	471
4	What can natural language processing do for clinical decision support?. Journal of Biomedical Informatics, 2009, 42, 760-772.	4.3	466
5	LOINC, a Universal Standard for Identifying Laboratory Observations: A 5-Year Update. Clinical Chemistry, 2003, 49, 624-633.	3.2	433
6	Preparing a collection of radiology examinations for distribution and retrieval. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 304-310.	4.4	421
7	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	8.9	403
8	The Effect on Test Ordering of Informing Physicians of the Charges for Outpatient Diagnostic Tests. New England Journal of Medicine, 1990, 322, 1499-1504.	27.0	389
9	The Regenstrief Medical Record System: a quarter century experience. International Journal of Medical Informatics, 1999, 54, 225-253.	3.3	356
10	A Randomized Trial of "Corollary Orders" to Prevent Errors of Omission. Journal of the American Medical Informatics Association: JAMIA, 1997, 4, 364-375.	4.4	333
11	Delayed Feedback of Physician Performance Versus Immediate Reminders to Perform Preventive Care. Medical Care, 1986, 24, 659-666.	2.4	324
12	The Indiana Network For Patient Care: A Working Local Health Information Infrastructure. Health Affairs, 2005, 24, 1214-1220.	5.2	270
13	Deaths Due to Medical Errors Are Exaggerated in Institute of Medicine Report. JAMA - Journal of the American Medical Association, 2000, 284, 93.	7.4	254
14	Inpatient Computer-Based Standing Orders vs Physician Reminders to Increase Influenza and Pneumococcal Vaccination Rates. JAMA - Journal of the American Medical Association, 2004, 292, 2366.	7.4	206
15	Effectiveness of Pharmacist Care for Patients With Reactive Airways Disease. JAMA - Journal of the American Medical Association, 2002, 288, 1594.	7.4	184
16	Medical Heuristics: The Silent Adjudicators of Clinical Practice. Annals of Internal Medicine, 1996, 124, 56.	3.9	178
17	Effects of computerized guidelines for managing heart disease in primary care. Journal of General Internal Medicine, 2003, 18, 967-976.	2.6	178
18	A Comparison of the Completeness and Timeliness of Automated Electronic Laboratory Reporting and Spontaneous Reporting of Notifiable Conditions. American Journal of Public Health, 2008, 98, 344-350.	2.7	161

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19	Report of the AMIA EHR-2020 Task Force on the status and future direction of EHRs. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1102-1110.	4.4	161
20	Use of a Computer to Detect and Respond to Clinical Events: Its Effect on Clinician Behavior. Annals of Internal Medicine, 1976, 84, 162.	3.9	149
21	A randomized, controlled trial of clinical information shared from another institution. Annals of Emergency Medicine, 2002, 39, 14-23.	0.6	147
22	Predictors of myocardial infarction in emergency room patients. Critical Care Medicine, 1985, 13, 526-531.	0.9	134
23	How much of the placebo â€˜effectâ€™ is really statistical regression?. Statistics in Medicine, 1983, 2, 417-427.	1.6	131
24	Computer-Stored Medical Records. JAMA - Journal of the American Medical Association, 1988, 259, 3433.	7.4	129
25	Validation of Probabilistic Predictions. Medical Decision Making, 1993, 13, 49-57.	2.4	116
26	The prognosis of hyponatremia at hospital admission. Journal of General Internal Medicine, 1986, 1, 380-385.	2.6	112
27	Failure of Computerized Treatment Suggestions to Improve Health Outcomes of Outpatients with Uncomplicated Hypertension: Results of a Randomized Controlled Trial. Pharmacotherapy, 2004, 24, 324-337.	2.6	110
28	Can Computer-Generated Evidence-Based Care Suggestions Enhance Evidence-Based Management of Asthma and Chronic Obstructive Pulmonary Disease? A Randomized, Controlled Trial. Health Services Research, 2005, 40, 477-498.	2.0	102
29	Lower short- and long-term mortality associated with overweight and obesity in a large cohort study of adult intensive care unit patients. Critical Care, 2012, 16, R235.	5.8	98
30	Renal Disease in Hypertensive Adults: Effect of Race and Type II Diabetes Mellitus. American Journal of Kidney Diseases, 1989, 13, 485-493.	1.9	95
31	Guidelines You Can Follow and Can Trust. JAMA - Journal of the American Medical Association, 1994, 271, 872.	7.4	85
32	Electronic Laboratory Reporting: Barriers, Solutions and Findings. Journal of Public Health Management and Practice, 2001, 7, 60-66.	1.4	81
33	A Software Tool for Removing Patient Identifying Information from Clinical Documents. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 601-610.	4.4	79
34	Ibuprofen-associated Renal Impairment in a Large General Internal Medicine Practice. American Journal of the Medical Sciences, 1990, 299, 222-229.	1.1	73
35	Continuous Speech Recognition for Clinicians. Journal of the American Medical Informatics Association: JAMIA, 1999, 6, 195-204.	4.4	71
36	Open Source software in medical informaticsâ€”why, how and what. International Journal of Medical Informatics, 2003, 69, 175-184.	3.3	71

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37	Canopy Computing. JAMA - Journal of the American Medical Association, 1998, 280, 1325.	7.4	70
38	The impact of reading on physicians' nonadherence to recommended standards of medical care. Social Science and Medicine, 1985, 21, 909-914.	3.8	67
39	Practice databases and their uses in clinical research. Statistics in Medicine, 1991, 10, 541-557.	1.6	66
40	Use of Internist's Free Time by Ambulatory Care Electronic Medical Record Systems. JAMA Internal Medicine, 2014, 174, 1860.	5.1	64
41	Nonelective readmissions of medical patients. Journal of Chronic Diseases, 1985, 38, 213-224.	1.2	61
42	Can computer-generated evidence-based care suggestions enhance evidence-based management of asthma and chronic obstructive pulmonary disease? A randomized, controlled trial. Health Services Research, 2005, 40, 477-97.	2.0	60
43	Predicting Inpatient Costs With Admitting Clinical Data. Medical Care, 1995, 33, 1-14.	2.4	59
44	A Framework for Capturing Clinical Data Sets from Computerized Sources. Annals of Internal Medicine, 1997, 127, 675.	3.9	58
45	A Controlled Trial of Erythromycin in Adults with Nonstreptococcal Pharyngitis. Journal of Infectious Diseases, 1985, 152, 1093-1094.	4.0	57
46	Combining structured and unstructured data to identify a cohort of ICU patients who received dialysis. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 801-807.	4.4	55
47	How much of the placebo â€˜effectâ€™ is really statistical regression?. Statistics in Medicine, 1989, 8, 1301-1302.	1.6	54
48	Standard Formats for Electronic Transfer of Clinical Data. Annals of Internal Medicine, 1989, 110, 333.	3.9	53
49	CKD as a Model for Improving Chronic Disease Care through Electronic Health Records. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1488-1499.	4.5	51
50	Physicians, Information Technology, and Health Care Systems: A Journey, Not a Destination. Journal of the American Medical Informatics Association: JAMIA, 2003, 11, 121-124.	4.4	48
51	Analysis of a probabilistic record linkage technique without human review. AMIA ... Annual Symposium proceedings, 2003, , 259-63.	0.2	45
52	Designing, Conducting, and Reporting Clinical Decision Support Studies: Recommendations and Call to Action. Annals of Internal Medicine, 2020, 172, S101-S109.	3.9	44
53	Analysis of identifier performance using a deterministic linkage algorithm. Proceedings, 2002, , 305-9.	0.6	43
54	Use of a Regional Health Information Exchange to Detect Crossover of Patients with MRSA between Urban Hospitals. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 212-216.	4.4	41

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55	The analysis of humongous databases: Problems and promises. Statistics in Medicine, 1991, 10, 511-518.	1.6	40
56	An effective computerized reminder for contact isolation of patients colonized or infected with resistant organisms. International Journal of Medical Informatics, 2008, 77, 194-198.	3.3	40
57	Semantic integration of clinical laboratory tests from electronic health records for deep phenotyping and biomarker discovery. Npj Digital Medicine, 2019, 2, .	10.9	39
58	A system for sharing routine surgical pathology specimens across institutions: the Shared Pathology Informatics Network. Human Pathology, 2007, 38, 1212-1225.	2.0	36
59	LOINCÂ®: a universal catalogue of individual clinical observations and uniform representation of enumerated collections. International Journal of Functional Informatics and Personalised Medicine, 2010, 3, 273.	0.4	34
60	Enabling international adoption of LOINC through translation. Journal of Biomedical Informatics, 2012, 45, 667-673.	4.3	34
61	Which observations from the complete blood cell count predict mortality for hospitalized patients?. Journal of Hospital Medicine, 2007, 2, 5-12.	1.4	29
62	Supporting interoperability of genetic data with LOINC. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 621-627.	4.4	28
63	Using PhenX measures to identify opportunities for cross-study analysis. Human Mutation, 2012, 33, 849-857.	2.5	27
64	A natural language processing system to extract and code concepts relating to congestive heart failure from chest radiology reports. AMIA ... Annual Symposium proceedings, 2006, , 269-73.	0.2	26
65	Quality Measures and Electronic Medical Systems. JAMA - Journal of the American Medical Association, 1999, 282, 1181.	7.4	25
66	Conceptual alignment of electronic health record data with guideline and workflow knowledge. International Journal of Medical Informatics, 2001, 64, 259-274.	3.3	25
67	Using adaptive turnaround documents to electronically acquire structured data in clinical settings. AMIA ... Annual Symposium proceedings, 2003, , 86-90.	0.2	25
68	Community clinical data exchange for emergency medicine patients. AMIA ... Annual Symposium proceedings, 2003, , 235-8.	0.2	24
69	Automated mapping of local radiology terms to LOINC. AMIA ... Annual Symposium proceedings, 2005, , 769-73.	0.2	24
70	Structure, Functions, and Activities of a Research Support Informatics Section. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 389-398.	4.4	23
71	A practical method of linking data from Medicare claims and a comprehensive electronic medical records system. International Journal of Medical Informatics, 2003, 71, 57-69.	3.3	23
72	A modern optical character recognition system in a real world clinical setting: some accuracy and feasibility observations. Proceedings, 2002, , 56-60.	0.6	22

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73	Automated extraction and normalization of findings from cancer-related free-text radiology reports. AMIA ... Annual Symposium proceedings, 2003, , 420-4.	0.2	21
74	Using clinical data to predict abnormal serum electrolytes and blood cell profiles. Journal of General Internal Medicine, 1989, 4, 375-383.	2.6	20
75	Undertreatment of osteoporosis in women, based on detection of vertebral compression fractures on chest radiography. American Journal of Geriatric Pharmacotherapy, 2004, 2, 112-118.	3.0	20
76	Auditing consistency and usefulness of LOINC use among three large institutions â€“ Using version spaces for grouping LOINC codes. Journal of Biomedical Informatics, 2012, 45, 658-666.	4.3	20
77	Association between tendon ruptures and use of fluoroquinolone, and other oral antibiotics: a 10-year retrospective study of 1 million US senior Medicare beneficiaries. BMJ Open, 2020, 10, e034844.	1.9	19
78	Perceived influence of different information sources on the decision-making of internal medicine house staff and faculty. Social Science and Medicine, 1982, 16, 1361-1364.	3.8	18
79	A simple error classification system for understanding sources of error in automatic speech recognition and human transcription. International Journal of Medical Informatics, 2004, 73, 719-730.	3.3	18
80	Using National Drug Codes and drug knowledge bases to organize prescription records from multiple sources. American Journal of Health-System Pharmacy, 2009, 66, 1743-1753.	1.0	16
81	INVITED COMMENTARYâ€”Electronic Medical Records and Preserving Primary Care Physicians' Time. Archives of Internal Medicine, 2012, 172, 285.	3.8	16
82	Data standards in health care. Annals of Emergency Medicine, 2001, 38, 303-311.	0.6	15
83	A comparison of Intelligent Mapper and document similarity scores for mapping local radiology terms to LOINC. AMIA ... Annual Symposium proceedings, 2006, , 809-13.	0.2	15
84	Diuretic-induced laboratory abnormalities that predict ventricular ectopy. Journal of Chronic Diseases, 1986, 39, 127-135.	1.2	14
85	An evaluation of medical knowledge contained in Wikipedia and its use in the LOINC database. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 283-287.	4.4	14
86	The Mortality Risk of Proton Pump Inhibitors in 1.9 Million US Seniors: An Extended Cox Survival Analysis. Clinical Gastroenterology and Hepatology, 2022, 20, e671-e681.	4.4	14
87	Comparison of Electronic Pharmacy Prescription Records With Manually Collected Medication Histories in an Emergency Department. Annals of Emergency Medicine, 2013, 62, 205-211.	0.6	13
88	Testing Informatics Innovations: The Value of Negative Trials. Journal of the American Medical Informatics Association: JAMIA, 1996, 3, 358-359.	4.4	12
89	High vitamin B12 levels are not associated with increased mortality risk for ICU patients after adjusting for liver function: A cohort study. E-SPEN Journal, 2014, 9, e76-e83.	0.5	12
90	An update on the use of health information technology in newborn screening. Seminars in Perinatology, 2015, 39, 188-193.	2.5	12

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91	Correctness of Voluntary LOINC Mapping for Laboratory Tests in Three Large Institutions. AMIA ... Annual Symposium proceedings, 2010, 2010, 447-51.	0.2	12
92	Physicians' ratings of information sources about their preventive medicine decisions. Preventive Medicine, 1982, 11, 717-723.	3.4	11
93	Serum Potassium Testing in Diuretic-Treated Outpatients. Medical Decision Making, 1985, 5, 89-104.	2.4	11
94	Implementing a mobile diagnostic unit to increase access to imaging and laboratory services in western Kenya. BMJ Global Health, 2018, 3, e000947.	4.7	10
95	The pattern of name tokens in narrative clinical text and a comparison of five systems for redacting them. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 423-431.	4.4	9
96	Electronic Health Record Systems. , 2014, , 391-421.		9
97	In support of emergency department health information technology. AMIA ... Annual Symposium proceedings, 2005, , 246-50.	0.2	9
98	The value of serum iron studies as a test for iron-deficiency anemia in a county hospital. Journal of General Internal Medicine, 1987, 2, 160-167.	2.6	8
99	SPIN query tools for de-identified research on a humongous database. AMIA ... Annual Symposium proceedings, 2005, , 515-9.	0.2	8
100	Representing Patient Assessments in LOINCÂ®. AMIA ... Annual Symposium proceedings, 2010, 2010, 832-6.	0.2	8
101	Managing perinatal data with the Regenstrief medical record system. Journal of Ambulatory Care Management, 1992, 15, 40-53.	1.1	7
102	De-identification of Address, Date, and Alphanumeric Identifiers in Narrative Clinical Reports. AMIA ... Annual Symposium proceedings, 2014, 2014, 767-76.	0.2	7
103	Effect of common maintenance drugs on the risk and severity of COVID-19 in elderly patients. PLoS ONE, 2022, 17, e0266922.	2.5	7
104	Hickam 2000: The maturation of, and linkages between, medical informatics and bioinformatics. Translational Research, 2001, 138, 359-366.	2.3	6
105	Independent effects of 15 commonly prescribed drugs on all-cause mortality among US elderly patients with type 2 diabetes mellitus. BMJ Open Diabetes Research and Care, 2020, 8, e000940.	2.8	6
106	Indianapolis I3: the third generation Integrated Advanced Information Management Systems. Journal of the Medical Library Association: JMLA, 2004, 92, 179-87.	1.7	6
107	A Data Base Approach to Laboratory Computerization. American Journal of Clinical Pathology, 1985, 83, 707-715.	0.7	5
108	Using Medicare Data to Assess the Proarrhythmic Risk of Non-Cardiac Treatment Drugs that Prolong the QT Interval in Older Adults: An Observational Cohort Study. Drugs - Real World Outcomes, 2021, 8, 173-185.	1.6	5

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109	Clinical Decision Support Within the Regenstrief Medical Record System. , 2007, , 190-214.		5
110	A computerized decision support system improves the accuracy of temperature capture from nursing personnel at the bedside. AMIA ... Annual Symposium proceedings, 2006, , 444-8.	0.2	5
111	Toward Electronic Medical Record Alerts That Consume Less Physician Time. JAMA Internal Medicine, 2013, 173, 1755.	5.1	4
112	Use of Electronic Health Record Data to Evaluate the Impact of Race on 30-Day Mortality in Patients Admitted to the Intensive Care Unit. Journal of Racial and Ethnic Health Disparities, 2017, 4, 539-548.	3.2	4
113	Clinicians' and patients' experiences and satisfaction with unscheduled, nighttime, Internet-based video conferencing for assessing acute medical problems in a nursing facility. AMIA ... Annual Symposium proceedings, 2003, , 709-13.	0.2	4
114	Collaboration between the medical informatics community and guideline authors: fostering HIT standard development that matters. AMIA ... Annual Symposium proceedings, 2006, , 36-40.	0.2	4
115	Analysis of Healthcare Cost and Utilization in the First Two Years of the Medicare Shared Savings Program Using Big Data from the CMS Enclave. AMIA ... Annual Symposium proceedings, 2016, 2016, 724-733.	0.2	4
116	Electronic Health Records. , 2021, , 467-509.		3
117	Data Exchange Standards for Computer-based Patient Records. , 1992, , 157-164.		3
118	Visualization of patient prescription history data in emergency care. AMIA ... Annual Symposium proceedings, 2014, 2014, 963-8.	0.2	3
119	The Challenges of Creating a Gold Standard for De-identification Research. AMIA ... Annual Symposium proceedings, 2014, 2014, 353-8.	0.2	3
120	Challenges and Insights in Using HIPAA Privacy Rule for Clinical Text Annotation. AMIA ... Annual Symposium proceedings, 2015, 2015, 707-16.	0.2	3
121	Response to Unit conversions between LOINC codes. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 614-615.	4.4	2
122	User Design of a Laboratory Computer System. Clinics in Laboratory Medicine, 1983, 3, 35-49.	1.4	1
123	Comment on â€œTime to Integrate Clinical and Research Informaticsâ€• Science Translational Medicine, 2013, 5, 179le1.	12.4	1
124	Physiciansâ€™ Needs for Computer-based Patient Records. , 1992, , 3-11.		1
125	Computerized reminders to improve isolation rates of patients with drug-resistant infections: design and preliminary results. AMIA ... Annual Symposium proceedings, 2005, , 390-4.	0.2	1
126	Extensible Stylesheet Language Formatting Objects (XSL-FO): a tool to transform patient data into attractive clinical reports. AMIA ... Annual Symposium proceedings, 2006, , 719-23.	0.2	1

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127	The U.S. National Library of Medicine and Standards for Electronic Health Records: One Thing Led to Another. Studies in Health Technology and Informatics, 2022, 288, 85-99.	0.3	1
128	Computer technology and continuing medical education. A scenario for the future. Mobius, 1983, 3, 7-12.	0.1	0
129	The U.S. National Library of Medicine and standards for electronic health records: OneÂthing led to another. Information Services and Use, 2022, , 1-14.	0.2	0