

Clement J Mcdonald

List of Publications by Year in descending order

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Version: 2024-02-01

129
papers

10,322
citations

43973

48
h-index

32761

100
g-index

129
all docs

129
docs citations

129
times ranked

7059
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mortality Risk of Proton Pump Inhibitors in 1.9 Million US Seniors: An Extended Cox Survival Analysis. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, e671-e681.	2.4	14
2	The U.S. National Library of Medicine and Standards for Electronic Health Records: One Thing Led to Another. <i>Studies in Health Technology and Informatics</i> , 2022, 288, 85-99.	0.2	1
3	The U.S. National Library of Medicine and standards for electronic health records: One thing led to another. <i>Information Services and Use</i> , 2022, , 1-14.	0.1	0
4	Effect of common maintenance drugs on the risk and severity of COVID-19 in elderly patients. <i>PLoS ONE</i> , 2022, 17, e0266922.	1.1	7
5	Electronic Health Records. , 2021, , 467-509.		3
6	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. <i>Drugs - Real World Outcomes</i> , 2021, 8, 173-185.	0.7	5
7	Designing, Conducting, and Reporting Clinical Decision Support Studies: Recommendations and Call to Action. <i>Annals of Internal Medicine</i> , 2020, 172, S101-S109.	2.0	44
8	Independent effects of 15 commonly prescribed drugs on all-cause mortality among US elderly patients with type 2 diabetes mellitus. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000940.	1.2	6
9	Association between tendon ruptures and use of fluoroquinolone, and other oral antibiotics: a 10-year retrospective study of 1 million US senior Medicare beneficiaries. <i>BMJ Open</i> , 2020, 10, e034844.	0.8	19
10	Semantic integration of clinical laboratory tests from electronic health records for deep phenotyping and biomarker discovery. <i>Npj Digital Medicine</i> , 2019, 2, .	5.7	39
11	Implementing a mobile diagnostic unit to increase access to imaging and laboratory services in western Kenya. <i>BMJ Global Health</i> , 2018, 3, e000947.	2.0	10
12	Response to Unit conversions between LOINC codes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 614-615.	2.2	2
13	Use of Electronic Health Record Data to Evaluate the Impact of Race on 30-Day Mortality in Patients Admitted to the Intensive Care Unit. <i>Journal of Racial and Ethnic Health Disparities</i> , 2017, 4, 539-548.	1.8	4
14	Preparing a collection of radiology examinations for distribution and retrieval. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016, 23, 304-310.	2.2	421
15	Analysis of Healthcare Cost and Utilization in the First Two Years of the Medicare Shared Savings Program Using Big Data from the CMS Enclave. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 724-733.	0.2	4
16	An update on the use of health information technology in newborn screening. <i>Seminars in Perinatology</i> , 2015, 39, 188-193.	1.1	12
17	Report of the AMIA EHR-2020 Task Force on the status and future direction of EHRs. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1102-1110.	2.2	161
18	Supporting interoperability of genetic data with LOINC. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 621-627.	2.2	28

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19	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.	2.2	51
20	Challenges and Insights in Using HIPAA Privacy Rule for Clinical Text Annotation. AMIA ... Annual Symposium proceedings, 2015, 2015, 707-16.	0.2	3
21	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.	2.2	55
22	Use of Internist's Free Time by Ambulatory Care Electronic Medical Record Systems. JAMA Internal Medicine, 2014, 174, 1860.	2.6	64
23	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	5.4	403
24	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.	2.2	9
25	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
26	Electronic Health Record Systems. , 2014, , 391-421.		9
27	Visualization of patient prescription history data in emergency care. AMIA ... Annual Symposium proceedings, 2014, 2014, 963-8.	0.2	3
28	De-identification of Address, Date, and Alphanumeric Identifiers in Narrative Clinical Reports. AMIA ... Annual Symposium proceedings, 2014, 2014, 767-76.	0.2	7
29	The Challenges of Creating a Gold Standard for De-identification Research. AMIA ... Annual Symposium proceedings, 2014, 2014, 353-8.	0.2	3
30	Comparison of Electronic Pharmacy Prescription Records With Manually Collected Medication Histories in an Emergency Department. Annals of Emergency Medicine, 2013, 62, 205-211.	0.3	13
31	Toward Electronic Medical Record Alerts That Consume Less Physician Time. JAMA Internal Medicine, 2013, 173, 1755.	2.6	4
32	Comment on "Time to Integrate Clinical and Research Informatics". Science Translational Medicine, 2013, 5, 179le1.	5.8	1
33	INVITED COMMENTARY"Electronic Medical Records and Preserving Primary Care Physicians' Time. Archives of Internal Medicine, 2012, 172, 285.	4.3	16
34	Enabling international adoption of LOINC through translation. Journal of Biomedical Informatics, 2012, 45, 667-673.	2.5	34
35	Auditing consistency and usefulness of LOINC use among three large institutions " Using version spaces for grouping LOINC codes. Journal of Biomedical Informatics, 2012, 45, 658-666.	2.5	20
36	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.	2.5	98

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37	Using PhenX measures to identify opportunities for cross-study analysis. <i>Human Mutation</i> , 2012, 33, 849-857.	1.1	27
38	LOINCÂ®: a universal catalogue of individual clinical observations and uniform representation of enumerated collections. <i>International Journal of Functional Informatics and Personalised Medicine</i> , 2010, 3, 273.	0.4	34
39	An evaluation of medical knowledge contained in Wikipedia and its use in the LOINC database. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2010, 17, 283-287.	2.2	14
40	Representing Patient Assessments in LOINCÂ®. <i>AMIA ... Annual Symposium proceedings</i> , 2010, 2010, 832-6.	0.2	8
41	Correctness of Voluntary LOINC Mapping for Laboratory Tests in Three Large Institutions. <i>AMIA ... Annual Symposium proceedings</i> , 2010, 2010, 447-51.	0.2	12
42	Using National Drug Codes and drug knowledge bases to organize prescription records from multiple sources. <i>American Journal of Health-System Pharmacy</i> , 2009, 66, 1743-1753.	0.5	16
43	What can natural language processing do for clinical decision support?. <i>Journal of Biomedical Informatics</i> , 2009, 42, 760-772.	2.5	466
44	Use of a Regional Health Information Exchange to Detect Crossover of Patients with MRSA between Urban Hospitals. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2008, 15, 212-216.	2.2	41
45	An effective computerized reminder for contact isolation of patients colonized or infected with resistant organisms. <i>International Journal of Medical Informatics</i> , 2008, 77, 194-198.	1.6	40
46	A Software Tool for Removing Patient Identifying Information from Clinical Documents. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2008, 15, 601-610.	2.2	79
47	A Comparison of the Completeness and Timeliness of Automated Electronic Laboratory Reporting and Spontaneous Reporting of Notifiable Conditions. <i>American Journal of Public Health</i> , 2008, 98, 344-350.	1.5	161
48	A system for sharing routine surgical pathology specimens across institutions: the Shared Pathology Informatics Network. <i>Human Pathology</i> , 2007, 38, 1212-1225.	1.1	36
49	Which observations from the complete blood cell count predict mortality for hospitalized patients?. <i>Journal of Hospital Medicine</i> , 2007, 2, 5-12.	0.7	29
50	Clinical Decision Support Within the Regenstrief Medical Record System. , 2007, , 190-214.		5
51	A computerized decision support system improves the accuracy of temperature capture from nursing personnel at the bedside. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 444-8.	0.2	5
52	Collaboration between the medical informatics community and guideline authors: fostering HIT standard development that matters. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 36-40.	0.2	4
53	Extensible Stylesheet Language Formatting Objects (XSL-FO): a tool to transform patient data into attractive clinical reports. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 719-23.	0.2	1
54	A natural language processing system to extract and code concepts relating to congestive heart failure from chest radiology reports. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 269-73.	0.2	26

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55	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
56	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.	1.0	102
57	The Indiana Network For Patient Care: A Working Local Health Information Infrastructure. Health Affairs, 2005, 24, 1214-1220.	2.5	270
58	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.	1.0	60
59	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
60	Automated mapping of local radiology terms to LOINC. AMIA ... Annual Symposium proceedings, 2005, , 769-73.	0.2	24
61	SPIN query tools for de-identified research on a humongous database. AMIA ... Annual Symposium proceedings, 2005, , 515-9.	0.2	8
62	In support of emergency department health information technology. AMIA ... Annual Symposium proceedings, 2005, , 246-50.	0.2	9
63	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.	3.8	206
64	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.	1.2	110
65	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.	1.6	18
66	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
67	Indianapolis I3: the third generation Integrated Advanced Information Management Systems. Journal of the Medical Library Association: JMLA, 2004, 92, 179-87.	0.6	6
68	Structure, Functions, and Activities of a Research Support Informatics Section. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 389-398.	2.2	23
69	Physicians, Information Technology, and Health Care Systems: A Journey, Not a Destination. Journal of the American Medical Informatics Association: JAMIA, 2003, 11, 121-124.	2.2	48
70	Open Source software in medical informatics—why, how and what. International Journal of Medical Informatics, 2003, 69, 175-184.	1.6	71
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.	1.6	23
72	Effects of computerized guidelines for managing heart disease in primary care. Journal of General Internal Medicine, 2003, 18, 967-976.	1.3	178

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73	LOINC, a Universal Standard for Identifying Laboratory Observations: A 5-Year Update. Clinical Chemistry, 2003, 49, 624-633.	1.5	433
74	Analysis of a probabilistic record linkage technique without human review. AMIA ... Annual Symposium proceedings, 2003, , 259-63.	0.2	45
75	Automated extraction and normalization of findings from cancer-related free-text radiology reports. AMIA ... Annual Symposium proceedings, 2003, , 420-4.	0.2	21
76	Using adaptive turnaround documents to electronically acquire structured data in clinical settings. AMIA ... Annual Symposium proceedings, 2003, , 86-90.	0.2	25
77	Community clinical data exchange for emergency medicine patients. AMIA ... Annual Symposium proceedings, 2003, , 235-8.	0.2	24
78	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
79	Effectiveness of Pharmacist Care for Patients With Reactive Airways Disease. JAMA - Journal of the American Medical Association, 2002, 288, 1594.	3.8	184
80	A randomized, controlled trial of clinical information shared from another institution. Annals of Emergency Medicine, 2002, 39, 14-23.	0.3	147
81	A modern optical character recognition system in a real world clinical setting: some accuracy and feasibility observations. Proceedings, 2002, , 56-60.	0.6	22
82	Analysis of identifier performance using a deterministic linkage algorithm. Proceedings, 2002, , 305-9.	0.6	43
83	A Computerized Reminder System to Increase the Use of Preventive Care for Hospitalized Patients. New England Journal of Medicine, 2001, 345, 965-970.	13.9	471
84	Electronic Laboratory Reporting: Barriers, Solutions and Findings. Journal of Public Health Management and Practice, 2001, 7, 60-66.	0.7	81
85	Data standards in health care. Annals of Emergency Medicine, 2001, 38, 303-311.	0.3	15
86	Hickam 2000: The maturation of, and linkages between, medical informatics and bioinformatics. Translational Research, 2001, 138, 359-366.	2.4	6
87	Conceptual alignment of electronic health record data with guideline and workflow knowledge. International Journal of Medical Informatics, 2001, 64, 259-274.	1.6	25
88	Deaths Due to Medical Errors Are Exaggerated in Institute of Medicine Report. JAMA - Journal of the American Medical Association, 2000, 284, 93.	3.8	254
89	Continuous Speech Recognition for Clinicians. Journal of the American Medical Informatics Association: JAMIA, 1999, 6, 195-204.	2.2	71
90	Quality Measures and Electronic Medical Systems. JAMA - Journal of the American Medical Association, 1999, 282, 1181.	3.8	25

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91	The Regenstrief Medical Record System: a quarter century experience. International Journal of Medical Informatics, 1999, 54, 225-253.	1.6	356
92	Canopy Computing. JAMA - Journal of the American Medical Association, 1998, 280, 1325.	3.8	70
93	A Randomized Trial of "Corollary Orders" to Prevent Errors of Omission. Journal of the American Medical Informatics Association: JAMIA, 1997, 4, 364-375.	2.2	333
94	A Framework for Capturing Clinical Data Sets from Computerized Sources. Annals of Internal Medicine, 1997, 127, 675.	2.0	58
95	Medical Heuristics: The Silent Adjudicators of Clinical Practice. Annals of Internal Medicine, 1996, 124, 56.	2.0	178
96	Testing Informatics Innovations: The Value of Negative Trials. Journal of the American Medical Informatics Association: JAMIA, 1996, 3, 358-359.	2.2	12
97	Predicting Inpatient Costs With Admitting Clinical Data. Medical Care, 1995, 33, 1-14.	1.1	59
98	Guidelines You Can Follow and Can Trust. JAMA - Journal of the American Medical Association, 1994, 271, 872.	3.8	85
99	Validation of Probabilistic Predictions. Medical Decision Making, 1993, 13, 49-57.	1.2	116
100	Managing perinatal data with the Regenstrief medical record system. Journal of Ambulatory Care Management, 1992, 15, 40-53.	0.5	7
101	Physicians's Needs for Computer-based Patient Records. , 1992, , 3-11.		1
102	Data Exchange Standards for Computer-based Patient Records. , 1992, , 157-164.		3
103	The analysis of humongous databases: Problems and promises. Statistics in Medicine, 1991, 10, 511-518.	0.8	40
104	Practice databases and their uses in clinical research. Statistics in Medicine, 1991, 10, 541-557.	0.8	66
105	Ibuprofen-associated Renal Impairment in a Large General Internal Medicine Practice. American Journal of the Medical Sciences, 1990, 299, 222-229.	0.4	73
106	The Effect on Test Ordering of Informing Physicians of the Charges for Outpatient Diagnostic Tests. New England Journal of Medicine, 1990, 322, 1499-1504.	13.9	389
107	Standard Formats for Electronic Transfer of Clinical Data. Annals of Internal Medicine, 1989, 110, 333.	2.0	53
108	Using clinical data to predict abnormal serum electrolytes and blood cell profiles. Journal of General Internal Medicine, 1989, 4, 375-383.	1.3	20

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109	How much of the placebo "effect"™ is really statistical regression?. <i>Statistics in Medicine</i> , 1989, 8, 1301-1302.	0.8	54
110	Renal Disease in Hypertensive Adults: Effect of Race and Type II Diabetes Mellitus. <i>American Journal of Kidney Diseases</i> , 1989, 13, 485-493.	2.1	95
111	Computer-Stored Medical Records. <i>JAMA - Journal of the American Medical Association</i> , 1988, 259, 3433.	3.8	129
112	The value of serum iron studies as a test for iron-deficiency anemia in a county hospital. <i>Journal of General Internal Medicine</i> , 1987, 2, 160-167.	1.3	8
113	Diuretic-induced laboratory abnormalities that predict ventricular ectopy. <i>Journal of Chronic Diseases</i> , 1986, 39, 127-135.	1.3	14
114	The prognosis of hyponatremia at hospital admission. <i>Journal of General Internal Medicine</i> , 1986, 1, 380-385.	1.3	112
115	Delayed Feedback of Physician Performance Versus Immediate Reminders to Perform Preventive Care. <i>Medical Care</i> , 1986, 24, 659-666.	1.1	324
116	A Data Base Approach to Laboratory Computerization. <i>American Journal of Clinical Pathology</i> , 1985, 83, 707-715.	0.4	5
117	Predictors of myocardial infarction in emergency room patients. <i>Critical Care Medicine</i> , 1985, 13, 526-531.	0.4	134
118	Serum Potassium Testing in Diuretic-Treated Outpatients. <i>Medical Decision Making</i> , 1985, 5, 89-104.	1.2	11
119	A Controlled Trial of Erythromycin in Adults with Nonstreptococcal Pharyngitis. <i>Journal of Infectious Diseases</i> , 1985, 152, 1093-1094.	1.9	57
120	The impact of reading on physicians' nonadherence to recommended standards of medical care. <i>Social Science and Medicine</i> , 1985, 21, 909-914.	1.8	67
121	Nonelective readmissions of medical patients. <i>Journal of Chronic Diseases</i> , 1985, 38, 213-224.	1.3	61
122	Reminders to Physicians from an Introspective Computer Medical Record. <i>Annals of Internal Medicine</i> , 1984, 100, 130.	2.0	574
123	How much of the placebo "effect"™ is really statistical regression?. <i>Statistics in Medicine</i> , 1983, 2, 417-427.	0.8	131
124	Computer technology and continuing medical education. A scenario for the future. <i>Mobius</i> , 1983, 3, 7-12.	0.1	0
125	User Design of a Laboratory Computer System. <i>Clinics in Laboratory Medicine</i> , 1983, 3, 35-49.	0.7	1
126	Physicians' ratings of information sources about their preventive medicine decisions. <i>Preventive Medicine</i> , 1982, 11, 717-723.	1.6	11

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127	Perceived influence of different information sources on the decision-making of internal medicine house staff and faculty. <i>Social Science and Medicine</i> , 1982, 16, 1361-1364.	1.8	18
128	Use of a Computer to Detect and Respond to Clinical Events: Its Effect on Clinician Behavior. <i>Annals of Internal Medicine</i> , 1976, 84, 162.	2.0	149
129	Protocol-Based Computer Reminders, the Quality of Care and the Non-Perfectability of Man. <i>New England Journal of Medicine</i> , 1976, 295, 1351-1355.	13.9	771