Blackford Middleton

List of Publications by Year
in descending order

129 papers	9,953 citations	53789 45 h-index	38392 95 g-index
136 all docs	136 docs citations	136 times ranked	8199 citing authors

#	Article	IF	Citations
1	Ten Commandments for Effective Clinical Decision Support: Making the Practice of Evidence-based Medicine a Reality. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 523-530.	4.4	1,091
2	A cost-benefit analysis of electronic medical records in primary care. American Journal of Medicine, 2003, 114, 397-403.	1.5	568
3	A Roadmap for National Action on Clinical Decision Support. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 141-145.	4.4	512
4	Grand challenges in clinical decision support. Journal of Biomedical Informatics, 2008, 41, 387-392.	4.3	511
5	The Value Of Health Care Information Exchange And Interoperability. Health Affairs, 2005, 24, W5-10-W5-18.	5.2	505
6	Enhancing patient safety and quality of care by improving the usability of electronic health record systems: recommendations from AMIA. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, e2-e8.	4.4	498
7	Electronic Health Record Use and the Quality of Ambulatory Care in the United States. Archives of Internal Medicine, 2007, 167, 1400.	3.8	378
8	A Research Agenda for Personal Health Records (PHRs). Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 729-736.	4.4	343
9	Fall Prevention in Acute Care Hospitals. JAMA - Journal of the American Medical Association, 2010, 304, 1912.	7.4	282
10	Return on Investment for a Computerized Physician Order Entry System. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 261-266.	4.4	226
11	Assessing the level of healthcare information technology adoption in the United States: a snapshot. BMC Medical Informatics and Decision Making, 2006, 6, 1.	3.0	223
12	Clinical Decision-Support Systems. , 2014, , 643-674.		218
13	Interface design principles for usable decision support: A targeted review of best practices for clinical prescribing interventions. Journal of Biomedical Informatics, 2012, 45, 1202-1216.	4.3	217
14	Practice-Linked Online Personal Health Records for Type 2 Diabetes Mellitus. Archives of Internal Medicine, 2008, 168, 1776.	3.8	194
15	Drug–drug interactions that should be non-interruptive in order to reduce alert fatigue in electronic health records. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 489-493.	4.4	183
16	Using qualitative studies to improve the usability of an EMR. Journal of Biomedical Informatics, 2005, 38, 51-60.	4.3	134
17	Clinical Decision Support Capabilities of Commercially-available Clinical Information Systems. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 637-644.	4.4	128
18	A Consensus Action Agenda for Achieving the National Health Information Infrastructure. Journal of the American Medical Informatics Association: JAMIA, 2004, 11, 332-338.	4.4	119

#	ARTICLE	IF	CITATIONS
19	High-priority drug–drug interactions for use in electronic health records. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 735-743.	4.4	112
20	Accelerating U.S. EHR Adoption: How to Get There From Here. Recommendations Based on the 2004 ACMI Retreat. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 13-19.	4.4	110
21	Development and evaluation of a comprehensive clinical decision support taxonomy: comparison of front-end tools in commercial and internally developed electronic health record systems. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 232-242.	4.4	110
22	Clinical decision support models and frameworks: Seeking to address research issues underlying implementation successes and failures. Journal of Biomedical Informatics, 2018, 78, 134-143.	4.3	105
23	"Smart Forms" in an Electronic Medical Record: Documentation-based Clinical Decision Support to Improve Disease Management. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 513-523.	4.4	100
24	Design of decision support interventions for medication prescribing. International Journal of Medical Informatics, 2013, 82, 492-503.	3.3	97
25	Creating and sharing clinical decision support content with Web 2.0: Issues and examples. Journal of Biomedical Informatics, 2009, 42, 334-346.	4.3	94
26	The state of the art in clinical knowledge management: An inventory of tools and techniques. International Journal of Medical Informatics, 2010, 79, 44-57.	3.3	92
27	Randomized Controlled Trial of Health Maintenance Reminders Provided Directly to Patients Through an Electronic PHR. Journal of General Internal Medicine, 2012, 27, 85-92.	2.6	88
28	The Costs of a National Health Information Network. Annals of Internal Medicine, 2005, 143, 165.	3.9	87
29	Design and Implementation of a Web-Based Patient Portal Linked to an Ambulatory Care Electronic Health Record: Patient Gateway for Diabetes Collaborative Care. Diabetes Technology and Therapeutics, 2006, 8, 576-586.	4.4	83
30	Why Do Patients in Acute Care Hospitals Fall? Can Falls Be Prevented?. Journal of Nursing Administration, 2009, 39, 299-304.	1.4	83
31	Effects of an online personal health record on medication accuracy and safety: a cluster-randomized trial. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 728-734.	4.4	82
32	Governance for clinical decision support: case studies and recommended practices from leading institutions. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 187-194.	4.4	76
33	Recommended practices for computerized clinical decision support and knowledge management in community settings: a qualitative study. BMC Medical Informatics and Decision Making, 2012, 12, 6.	3.0	76
34	A Description and Functional Taxonomy of Rule-based Decision Support Content at a Large Integrated Delivery Network. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 489-496.	4.4	74
35	Opportunities to enhance patient and physician e-mail contact. International Journal of Medical Informatics, 2003, 70, 1-9.	3.3	73
36	A pilot study of distributed knowledge management and clinical decision support in the cloud. Artificial Intelligence in Medicine, 2013, 59, 45-53.	6.5	70

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37	Knowledge Engineering for Large Belief Networks. , 1994, , 484-490.		67
38	The Value From Investments In Health Information Technology At The U.S. Department Of Veterans Affairs. Health Affairs, 2010, 29, 629-638.	5.2	64
39	A multi-layered framework for disseminating knowledge for computer-based decision support. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i132-i139.	4.4	64
40	Benefits of Information Technology-Enabled Diabetes Management. Diabetes Care, 2007, 30, 1137-1142.	8.6	63
41	Complementary methods of system usability evaluation: Surveys and observations during software design and development cycles. Journal of Biomedical Informatics, 2010, 43, 782-790.	4.3	59
42	The value proposition in the widespread use of telehealth. Journal of Telemedicine and Telecare, 2008, 14, 167-168.	2.7	57
43	Documentation-based clinical decision support to improve antibiotic prescribing for acute respiratory infections in primary care: a cluster randomised controlled trial. Journal of Innovation in Health Informatics, 2009, 17, 231-240.	0.9	57
44	Method of electronic health record documentation and quality of primary care. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 1019-1024.	4.4	55
45	Clinical Decision-Support Systems. , 2021, , 795-840.		50
46	An approximate nonmyopic computation for value of information. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1993, 15, 292-298.	13.9	48
47	The Chief Clinical Informatics Officer (CCIO). Applied Clinical Informatics, 2016, 07, 143-176.	1.7	48
48	The clinical decision support consortium. Studies in Health Technology and Informatics, 2009, 150, 26-30.	0.3	48
49	Comparison of clinical knowledge management capabilities of commercially-available and leading internally-developed electronic health records. BMC Medical Informatics and Decision Making, 2011, 11, 13.	3.0	47
50	Design and implementation of a web-based patient portal linked to an electronic health record designed to improve medication safety: the Patient Gateway medications module. Journal of Innovation in Health Informatics, 2008, 16, 147-155.	0.9	46
51	Electronic health record feedback to improve antibiotic prescribing for acute respiratory infections. American Journal of Managed Care, 2010, 16, e311-9.	1.1	45
52	Achieving U.S. Health Information Technology Adoption: The Need For A Third Hand. Health Affairs, 2005, 24, 1269-1272.	5.2	44
53	Implementing practice-linked pre-visit electronic journals in primary care: patient and physician use and satisfaction. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 502-506.	4.4	44
54	Communicating Health Information to an Alarmed Public Facing a Threat Such as a Bioterrorist Attack. Journal of Health Communication, 2004, 9, 67-75.	2.4	43

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55	The Value of Provider-to-Provider Telehealth. Telemedicine Journal and E-Health, 2008, 14, 446-453.	2.8	42
56	Acute Infections in Primary Care: Accuracy of Electronic Diagnoses and Electronic Antibiotic Prescribing. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 61-66.	4.4	41
57	Crossing the health IT chasm: considerations and policy recommendations to overcome current challenges and enable value-based care. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 1036-1043.	4.4	41
58	Criteria for assessing high-priority drug-drug interactions for clinical decision support in electronic health records. BMC Medical Informatics and Decision Making, 2013, 13, 65.	3.0	40
59	Use of order sets in inpatient computerized provider order entry systems: A comparative analysis of usage patterns at seven sites. International Journal of Medical Informatics, 2012, 81, 733-745.	3.3	37
60	Healthcare information technology and economics. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 212-217.	4.4	36
61	Lessons learned from implementing service-oriented clinical decision support at four sites: A qualitative study. International Journal of Medical Informatics, 2015, 84, 901-911.	3.3	35
62	Barriers to electronic health record use during patient visits. AMIA ... Annual Symposium proceedings, 2006, , 499-503.	0.2	35
63	A qualitative study of the activities performed by people involved in clinical decision support: recommended practices for success. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 464-472.	4.4	33
64	The economic benefits of health information exchange interoperability for Australia. Australian Health Review, 2007, 31, 531.	1.1	32
65	A patient-controlled journal for an electronic medical record: issues and challenges. Studies in Health Technology and Informatics, 2004, 107, 1166-70.	0.3	32
66	A highly scalable, interoperable clinical decision support service. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, e55-e62.	4.4	30
67	Evaluating standard terminologies for encoding allergy information. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 969-979.	4.4	28
68	Key principles for a national clinical decision support knowledge sharing framework: synthesis of insights from leading subject matter experts. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 199-207.	4.4	28
69	Identifying best practices for clinical decision support and knowledge management in the field. Studies in Health Technology and Informatics, 2010, 160, 806-10.	0.3	27
70	Self-reported familiarity with acute respiratory infection guidelines and antibiotic prescribing in primary care. International Journal for Quality in Health Care, 2010, 22, 469-475.	1.8	23
71	Creating an enterprise-wide allergy repository at Partners HealthCare System. AMIA ... Annual Symposium proceedings, 2003, , 376-80.	0.2	23
72	Effects of documentation-based decision support on chronic disease management. American Journal of Managed Care, 2010, 16, SP72-81.	1.1	23

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73	Order sets in computerized physician order entry systems: an analysis of seven sites. AMIA ... Annual Symposium proceedings, 2010, 2010, 892-6.	0.2	22
74	Does National Regulatory Mandate of Provider Order Entry Portend Greater Benefit Than Risk for Health Care Delivery?: The 2001 ACMI Debate. Journal of the American Medical Informatics Association: JAMIA, 2002, 9, 199-208.	4.4	20
75	Scales for assessing self-efficacy of nurses and assistants for preventing falls. Journal of Advanced Nursing, 2011, 67, 438-449.	3.3	20
76	Bridging the Chasm: Effect of Health Information Exchange on Volume of Laboratory Testing. Archives of Internal Medicine, 2012, 172, 517.	3.8	20
77	Sharing electronic laboratory results in a patient portal--a feasibility pilot. Studies in Health Technology and Informatics, 2007, 129, 18-22.	0.3	20
78	Decision support for acute problems: The role of the standardized patient in usability testing. Journal of Biomedical Informatics, 2006, 39, 648-655.	4.3	19
79	Multiple perspectives on clinical decision support: a qualitative study of fifteen clinical and vendor organizations. BMC Medical Informatics and Decision Making, 2015, 15, 35.	3.0	19
80	Building and maintaining trust in clinical decision support: Recommendations from the Patient€Centered CDS Learning Network. Learning Health Systems, 2020, 4, e10208.	2.0	19
81	The Imperative for Patient-Centered Clinical Decision Support. EGEMS (Washington, DC), 2018, 6, 12.	2.0	19
82	The Cost of Information Technology-Enabled Diabetes Management. Disease Management: DM, 2007, 10, 115-128.	1.0	17
83	Clinical decision support in small community practice settings: a case study. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 879-882.	4.4	17
84	A study of diverse clinical decision support rule authoring environments and requirements for integration. BMC Medical Informatics and Decision Making, 2012, 12, 128.	3.0	17
85	A first step towards translating evidence into practice: heart failure in a community practice-based research network. Journal of Innovation in Health Informatics, 2014, 12, 139-145.	0.9	17
86	An open platform for personal health record apps with platform-level privacy protection. Computers in Biology and Medicine, 2014, 51, 14-23.	7.0	16
87	Survey analysis of patient experience using a practice-linked PHR for type 2 diabetes mellitus. AMIA ... Annual Symposium proceedings, 2009, 2009, 678-82.	0.2	14
88	Multiple perspectives on the meaning of clinical decision support. AMIA ... Annual Symposium proceedings, 2010, 2010, 1427-31.	0.2	13
89	Improving primary care for patients with complex chronic diseases: Can health information technology play a role?. Cmaj, 2009, 181, 17-18.	2.0	11
90	Supporting patient care beyond the clinical encounter: three informatics innovations from partners health care. AMIA ... Annual Symposium proceedings, 2003, , 1072.	0.2	11

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91	Creating shareable decision support services: an interdisciplinary challenge. AMIA ... Annual Symposium proceedings, 2010, 2010, 602-6.	0.2	11
92	A legal framework to enable sharing of Clinical Decision Support knowledge and services across institutional boundaries. AMIA ... Annual Symposium proceedings, 2011, 2011, 925-33.	0.2	11
93	Crossing the Evidence Chasm: Building Evidence Bridges from Process Changes to Clinical Outcomes. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 329-339.	4.4	10
94	Comparison of Computer-based Clinical Decision Support Systems and Content for Diabetes Mellitus. Applied Clinical Informatics, 2011, 02, 284-303.	1.7	9
95	Measuring agreement between decision support reminders: the cloud vs. the local expert. BMC Medical Informatics and Decision Making, 2014, 14, 31.	3.0	9
96	Fall TIPS: strategies to promote adoption and use of a fall prevention toolkit. AMIA ... Annual Symposium proceedings, 2009, 2009, 153-7.	0.2	9
97	Clinician characteristics and use of novel electronic health record functionality in primary care. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i87-i90.	4.4	8
98	An Approximate Nonmyopic Computation for Value of Information. , 1991, , 135-141.		8
99	Quality Dashboards: technical and architectural considerations of an actionable reporting tool for population management. AMIA ... Annual Symposium proceedings, 2006, , 1052.	0.2	8
100	Fall TIP: validation of icons to communicate fall risk status and tailored interventions to prevent patient falls. Studies in Health Technology and Informatics, 2009, 146, 455-9.	0.3	8
101	Using a service oriented architecture approach to clinical decision support: performance results from two CDS Consortium demonstrations. AMIA ... Annual Symposium proceedings, 2012, 2012, 690-8.	0.2	8
102	Clinical decision support to improve antibiotic prescribing for acute respiratory infections: results of a pilot study. AMIA ... Annual Symposium proceedings, 2007, , 468-72.	0.2	7
103	A set of preliminary standards recommended for achieving a national repository of clinical decision support interventions. AMIA ... Annual Symposium proceedings, 2009, 2009, 614-8.	0.2	7
104	Empowering patients to improve the quality of their care: design and implementation of a shared health maintenance module in a US integrated healthcare delivery network. Studies in Health Technology and Informatics, 2007, 129, 1002-6.	0.3	7
105	A framework and approach for assessing the value of personal health records (PHRs). AMIA ... Annual Symposium proceedings, 2007, , 374-8.	0.2	6
106	Studying the vendor perspective on clinical decision support. AMIA ... Annual Symposium proceedings, 2011, 2011, 80-7.	0.2	6
107	Summary of second annual MCBK public meeting: Mobilizing Computable Biomedical Knowledge—A movement to accelerate translation of knowledge into action. Learning Health Systems, 2020, 4, e10222.	2.0	4
108	Designing an electronic medication reconciliation system. AMIA ... Annual Symposium proceedings, 2005, , 976.	0.2	4

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109	President's column: AMIA's policy priorities for 2014. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 574-574.	4.4	3
110	First diplomates board certified in the subspecialty of clinical informatics. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 384-384.	4.4	3
111	The Value of Electronic Health Records. Computers in Health Care, 2005, , 39-54.	0.3	3
112	A cost model for personal health records (PHRs). AMIA ... Annual Symposium proceedings, 2008, , 657-61.	0.2	3
113	The Number Needed to Remind: a Measure for Assessing CDS Effectiveness. AMIA ... Annual Symposium proceedings, 2014, 2014, 506-15.	0.2	3
114	Physicians value patient review of their electronic health record data as a means to improve accuracy of medication list documentation. AMIA ... Annual Symposium proceedings, 2007, , 1116.	0.2	2
115	Summary of fourth annual <scp>MCBK</scp> public meeting: Mobilizing computable biomedical knowledgeâ€"metadata and trust. Learning Health Systems, 2022, 6, e10301.	2.0	2
116	Definition of a metadata model for a multi-layered clinical practice guideline representation framework. International Journal of Functional Informatics and Personalised Medicine, 2012, 4, 47.	0.4	1
117	How Stakeholder Assessment of E-Prescribing Can Help Determine Incentives to Facilitate Management of Care: A Delphi Study. Journal of Managed Care & Specialty Pharmacy, 2017, 23, 1130-1139.	0.9	1
118	Commercial Interests in Continuing Medical Education: Where Do Electronic Health Record Vendors Fit?. Academic Medicine, 2020, 95, 1674-1678.	1.6	1
119	Summary of third annual MCBK public meeting: Mobilizing computable biomedical knowledgeâ€"Accelerating the second knowledge revolution. Learning Health Systems, 2021, 5, e10255.	2.0	1
120	Smart Form framework as a foundation for clinical documentation platform. AMIA ... Annual Symposium proceedings, 2006, , 1067.	0.2	1
121	Cost of interconnecting health information exchanges to form a national network. AMIA ... Annual Symposium proceedings, 2007, , 583-7.	0.2	1
122	Chairman's column: health informatics and healthcare transformationâ€"entering the post-EMR era. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 1141-1142.	4.4	0
123	Putting the â€˜iâ€™ in iHealth. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 192-192.	4.4	0
124	Health Information Technology and Value. , 2017, , 99-114.		0
125	Toward Scalable Clinical Decision Support. Open Medical Informatics Journal, 2010, 4, 233-234.	1.0	0
126	Governance for Clinical Decision Support. , 2013, , 203-227.		0

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127	The future of medical computing. Studies in Health Technology and Informatics, 2002, 80, 85-98.	0.3	0
128	Achieving the vision of EHR--take the long view. Frontiers of Health Services Management, 2005, 22, 37-42; discussion 43-5.	0.4	0
129	A survey of computable biomedical knowledge repositories. Learning Health Systems, 0, , .	2.0	0