

# Thomas G Kannampallil

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

2,132  
citations

393982

19  
h-index

288905

40  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous real-time prediction of surgical case duration using a modular artificial neural network. <i>British Journal of Anaesthesia</i> , 2022, 128, 829-837.	1.5	20
2	Effects of Persistent Exposure to COVID-19 on Mental Health Outcomes Among Trainees: a Longitudinal Survey Study. <i>Journal of General Internal Medicine</i> , 2022, 37, 1204-1210.	1.3	4
3	Effect of health information technology (HIT)-based discharge transition interventions on patient readmissions and emergency room visits: a systematic review. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 735-748.	2.2	2
4	Applying diagnosis support systems in electronic health records to identify wild-type transthyretin amyloid cardiomyopathy risk. <i>Future Cardiology</i> , 2022, , .	0.5	1
5	New JBI policy emphasizes clinically-meaningful novel machine learning methods. <i>Journal of Biomedical Informatics</i> , 2022, 127, 104003.	2.5	2
6	Predicting physician burnout using clinical activity logs: Model performance and lessons learned. <i>Journal of Biomedical Informatics</i> , 2022, 127, 104015.	2.5	11
7	Post-acute sensory neurological sequelae in patients with severe acute respiratory syndrome coronavirus 2 infection: the COVID-PN observational cohort study. <i>Pain</i> , 2022, 163, 2398-2410.	2.0	8
8	Cross-trial prediction of depression remission using problem-solving therapy: A machine learning approach. <i>Journal of Affective Disorders</i> , 2022, , .	2.0	3
9	Effect of clinician attention switching on workload and wrong-patient errors. <i>British Journal of Anaesthesia</i> , 2022, 129, e22-e24.	1.5	4
10	Effect of acute postsurgical pain trajectories on 30-day and 1-year pain. <i>PLoS ONE</i> , 2022, 17, e0269455.	1.1	4
11	Temporal Associations Between EHR-Derived Workload, Burnout, and Errors: a Prospective Cohort Study. <i>Journal of General Internal Medicine</i> , 2022, 37, 2165-2172.	1.3	11
12	Multi-Task Learning for Randomized Controlled Trials. , 2022, 6, 1-23.		7
13	Association between paediatric intraoperative anaesthesia handover and adverse postoperative outcomes. <i>BMJ Quality and Safety</i> , 2021, 30, 755-763.	1.8	4
14	Transmission dynamics: Data sharing in the COVID-19 era. <i>Learning Health Systems</i> , 2021, 5, e10235.	1.1	28
15	Risk factors associated with medication ordering errors. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 86-94.	2.2	6
16	Surgical Complications in Older Adults Predict Decline in Self-Perceived Cognitive Function in the Ensuing Year: A Cohort Study. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 352-361.	0.6	1
17	Cohort study protocol to characterize the incidence and severity of neuropathic pain in patients with severe acute respiratory syndrome coronavirus 2 infection. <i>Pain Reports</i> , 2021, 6, e925.	1.4	6
18	Systematic Review of Intraoperative Anesthesia Handoffs and Handoff Tools. <i>Anesthesia and Analgesia</i> , 2021, 132, 1563-1575.	1.1	19

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19	Human-Computer Interaction, Usability, and Workflow. , 2021, , 153-175.		3
20	Systematic review and meta-analysis of interventions for operating room to intensive care unit handoffs. <i>BMJ Quality and Safety</i> , 2021, 30, 513-524.	1.8	23
21	Precision clinical trials: a framework for getting to precision medicine for neurobehavioural disorders. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E97-E110.	1.4	19
22	Risk factors associated with physician trainee concern over missed educational opportunities during the COVID-19 pandemic. <i>BMC Medical Education</i> , 2021, 21, 216.	1.0	17
23	Impact of Changes in EHR Use during COVID-19 on Physician Trainee Mental Health. <i>Applied Clinical Informatics</i> , 2021, 12, 507-517.	0.8	9
24	RespWatch. , 2021, , .		13
25	Predicting self-intercepted medication ordering errors using machine learning. <i>PLoS ONE</i> , 2021, 16, e0254358.	1.1	8
26	An observational study of postoperative handoff standardization failures. <i>International Journal of Medical Informatics</i> , 2021, 151, 104458.	1.6	9
27	Comment on "Adverse Outcomes Associated with Intraoperative Anesthesia Handovers: A Systematic Review and Meta-analysis" <i>Journal of Perianesthesia Nursing</i> , 2021, 36, 327.	0.3	0
28	Getting More Precise in Public Messaging on Scientific and Data Uncertainties for Precision Medicine Research. <i>Annals of Behavioral Medicine</i> , 2021, 55, 1045-1047.	1.7	1
29	Comparing stress prediction models using smartwatch physiological signals and participant self-reports. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 208, 106207.	2.6	12
30	Physician Workflow in Two Distinctive Emergency Departments: An Observational Study. <i>Applied Clinical Informatics</i> , 2021, 12, 141-152.	0.8	8
31	Conceptual considerations for using EHR-based activity logs to measure clinician burnout and its effects. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1032-1037.	2.2	18
32	"This is our liver patient"™: use of narratives during resident and nurse handoff conversations. <i>BMJ Quality and Safety</i> , 2020, 29, 135-141.	1.8	2
33	Probabilistic forecasting of surgical case duration using machine learning: model development and validation. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1885-1893.	2.2	26
34	Exposure to COVID-19 patients increases physician trainee stress and burnout. <i>PLoS ONE</i> , 2020, 15, e0237301.	1.1	272
35	Effect of an Alternative Newborn Naming Strategy on Wrong-Patient Errors: A Quasi-Experimental Study. <i>Applied Clinical Informatics</i> , 2020, 11, 235-241.	0.8	3
36	Digital Translucence: Adapting Telemedicine Delivery Post-COVID-19. <i>Telemedicine Journal and E-Health</i> , 2020, 26, 1120-1122.	1.6	20

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37	Cognitive plausibility in voice-based AI health counselors. <i>Npj Digital Medicine</i> , 2020, 3, 72.	5.7	8
38	Effects of CPOE-based medication ordering on outcomes: an overview of systematic reviews. <i>BMJ Quality and Safety</i> , 2020, 29, 1.7-2.	1.8	13
39	Listening and question-asking behaviors in resident and nurse handoff conversations: a prospective observational study. <i>JAMIA Open</i> , 2020, 3, 87-93.	1.0	4
40	A Qualitative Study of Perioperative Depression and Anxiety in Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 1107-1118.	0.6	18
41	The impact of educational interventions on antibiotic prescribing for acute upper respiratory tract infections in the ambulatory care setting: A quasi-experimental study. <i>JACCP Journal of the American College of Clinical Pharmacy</i> , 2020, 3, 609-614.	0.5	7
42	When past is not a prologue: Adapting informatics practice during a pandemic. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1142-1146.	2.2	12
43	Work-Related and Personal Factors Associated With Mental Well-Being During the COVID-19 Response: Survey of Health Care and Other Workers. <i>Journal of Medical Internet Research</i> , 2020, 22, e21366.	2.1	202
44	Impact of EHR-based rounding tools on interactive communication: A prospective observational study. <i>International Journal of Medical Informatics</i> , 2019, 129, 423-429.	1.6	6
45	Clinical Workflow: The Past, Present, and Future. <i>Computers in Health Care</i> , 2019, , 307-311.	0.2	0
46	A graph-based approach for characterizing resident and nurse handoff conversations. <i>Journal of Biomedical Informatics</i> , 2019, 94, 103178.	2.5	1
47	Interdisciplinary handover between obstetric nursing and neonatal physician teams: an observational study. <i>BMJ Paediatrics Open</i> , 2019, 3, e000432.	0.6	3
48	Protocol for the Effectiveness of an Anesthesiology Control Tower System in Improving Perioperative Quality Metrics and Clinical Outcomes: the TECTONICS randomized, pragmatic trial. <i>F1000Research</i> , 2019, 8, 2032.	0.8	10
49	Efficiency of Emergency Physicians: Insights from an Observational Study using EHR Log Files. <i>Applied Clinical Informatics</i> , 2018, 09, 099-104.	0.8	19
50	Reasons for computerised provider order entry (CPOE)-based inpatient medication ordering errors: an observational study of voided orders. <i>BMJ Quality and Safety</i> , 2018, 27, 299-307.	1.8	16
51	Effect of number of open charts on intercepted wrong-patient medication orders in an emergency department. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 739-743.	2.2	21
52	Emergency Physicians' Perceived Influence of EHR Use on Clinical Workflow and Performance Metrics. <i>Applied Clinical Informatics</i> , 2018, 09, 725-733.	0.8	18
53	Comparative assessment of content overlap between written documentation and verbal communication: an observational study of resident sign-outs. <i>JAMIA Open</i> , 2018, 1, 210-217.	1.0	4
54	Learning optimal opioid prescribing and monitoring: a simulation study of medical residents. <i>JAMIA Open</i> , 2018, 1, 246-254.	1.0	5

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55	Effect of Handoff Training on Resident Communication Quality: An Observational Study. , 2018, , .		2
56	Learning from errors: analysis of medication order voiding in CPOE systems. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 762-768.	2.2	14
57	Measuring content overlap during handoff communication using distributional semantics: An exploratory study. Journal of Biomedical Informatics, 2017, 65, 132-144.	2.5	17
58	Physician scientists should learn how to program. Journal of Investigative Medicine, 2017, 65, e5-e5.	0.7	0
59	Special issue on cognitive informatics methods for interactive clinical systems. Journal of Biomedical Informatics, 2017, 71, 207-210.	2.5	3
60	Echo: A large display interactive visualization of ICU data for effective care handoffs. , 2017, 2017, 47-54.		8
61	Emergency Department-Based Care Transitions for Pediatric Patients: A Systematic Review. Pediatrics, 2016, 138, .	1.0	9
62	Methodological framework for evaluating clinical processes: A cognitive informatics perspective. Journal of Biomedical Informatics, 2016, 64, 342-351.	2.5	12
63	Communication Patterns in a Collaborative Medication Scheduling Task among Older Adults. , 2016, , .		1
64	Characterizing the pain score trajectories of hospitalized adult medical and surgical patients: a retrospective cohort study. Pain, 2016, 157, 2739-2746.	2.0	35
65	Cognitive informatics methods for interactive clinical systems. Journal of Biomedical Informatics, 2016, 60, 197-198.	2.5	0
66	Characterizing the structure and content of nurse handoffs: A Sequential Conversational Analysis approach. Journal of Biomedical Informatics, 2016, 59, 76-88.	2.5	33
67	Impact of Structured Rounding Tools on Time Allocation During Multidisciplinary Rounds: An Observational Study. JMIR Human Factors, 2016, 3, e29.	1.0	7
68	Metrics for Evaluating the Quality of Handovers. JAMA Internal Medicine, 2015, 175, 654.	2.6	2
69	Cognitive informatics in biomedicine and healthcare. Journal of Biomedical Informatics, 2015, 53, 3-14.	2.5	47
70	Role of cognition in generating and mitigating clinical errors. BMJ Quality and Safety, 2015, 24, 468-474.	1.8	47
71	Automated Workflow Analysis and Tracking Using Radio Frequency Identification Technology. Computers in Health Care, 2014, , 357-387.	0.2	1
72	Evaluating the effects of cognitive support on psychiatric clinical comprehension. Artificial Intelligence in Medicine, 2014, 62, 91-104.	3.8	4

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73	Comparing the information seeking strategies of residents, nurse practitioners, and physician assistants in critical care settings. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, e249-e256.	2.2	29
74	A systematic review of the literature on the evaluation of handoff tools: implications for research and practice. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 154-162.	2.2	135
75	Comparative evaluation of the content and structure of communication using two handoff tools: Implications for patient safety. Journal of Critical Care, 2014, 29, 311.e1-311.e7.	1.0	49
76	Quantifying Physician Activities in Emergency Care. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 798-802.	0.2	1
77	Towards an Ontology for Interdisciplinary Handoff Communication in Intensive Care. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2014, 3, 196-202.	0.2	8
78	Re-thinking Complexity in the Critical Care Environment. Computers in Health Care, 2014, , 343-355.	0.2	2
79	Sub-optimal Patterns of Information Use: A Rational Analysis of Information Seeking Behavior in Critical Care. Computers in Health Care, 2014, , 389-408.	0.2	3
80	Understanding the nature of information seeking behavior in critical care: Implications for the design of health information technology. Artificial Intelligence in Medicine, 2013, 57, 21-29.	3.8	58
81	External tools for collaborative medication scheduling. Cognition, Technology and Work, 2013, 15, 121-131.	1.7	7
82	Diagnostic Reasoning and Decision Making in the Context of Health Information Technology. Reviews of Human Factors and Ergonomics, 2013, 8, 149-190.	0.5	27
83	End-of-Round Time Compression in Physician Handoff Sessions. JAMA Internal Medicine, 2013, 173, 1033.	2.6	2
84	Bridging gaps in handoffs: A continuity of care based approach. Journal of Biomedical Informatics, 2012, 45, 240-254.	2.5	89
85	Ensuring patient safety in care transitions: an empirical evaluation of a Handoff Intervention Tool. AMIA ... Annual Symposium proceedings, 2012, 2012, 17-26.	0.2	19
86	Making sense: Sensor-based investigation of clinician activities in complex critical care environments. Journal of Biomedical Informatics, 2011, 44, 441-454.	2.5	43
87	Considering complexity in healthcare systems. Journal of Biomedical Informatics, 2011, 44, 943-947.	2.5	252
88	Cognitive Approaches to Clinical Data Management for Decision Support: Is It Old Wine in New Bottle?. Lecture Notes in Computer Science, 2011, , 1-13.	1.0	3
89	Collaborative Tools in a Simulated Patient-Provider Medication Scheduling Task. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1936-1940.	0.2	3
90	Facilitating exploratory search by model-based navigational cues. , 2010, , .		12

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91	Semantic imitation in social tagging. ACM Transactions on Computer-Human Interaction, 2010, 17, 1-37.	4.6	53
92	Harnessing Web 2.0 for Context-Aware Learning. , 2010, , 98-113.		3
93	Adaptive information search. , 2009, , .		34
94	Design research as explanation. , 2009, , .		3
95	Conformity out of Diversity: Dynamics of Information Needs and Social Influence of Tags in Exploratory Information Search. Lecture Notes in Computer Science, 2009, , 155-164.	1.0	3
96	Evaluating tagging behavior in social bookmarking systems. , 2007, , .		60
97	Protocol for the perioperative outcome risk assessment with computer learning enhancement (Periop) Tj ETQq1 1 0.784314 ggBT /Over	0.8	