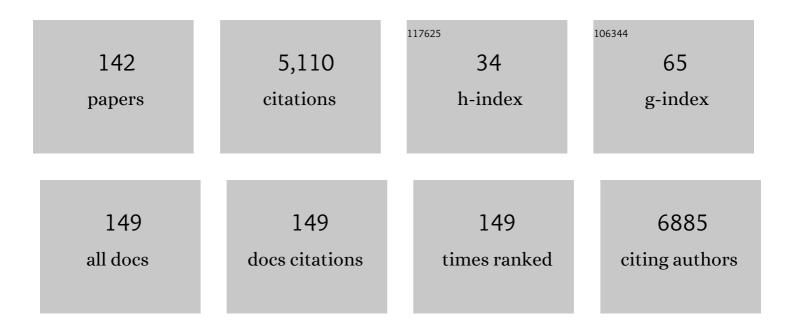
Vitaly Herasevich

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2497170/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Convalescent Plasma Antibody Levels and the Risk of Death from Covid-19. New England Journal of Medicine, 2021, 384, 1015-1027.	27.0	438
2	Early safety indicators of COVID-19 convalescent plasma in 5000 patients. Journal of Clinical Investigation, 2020, 130, 4791-4797.	8.2	386
3	Safety Update. Mayo Clinic Proceedings, 2020, 95, 1888-1897.	3.0	364
4	Clinical Spectrum, Frequency, and Significance of Myocardial Dysfunction in Severe Sepsis and Septic Shock. Mayo Clinic Proceedings, 2012, 87, 620-628.	3.0	251
5	Informatics Infrastructure for Syndrome Surveillance, Decision Support, Reporting, and Modeling of Critical Illness. Mayo Clinic Proceedings, 2010, 85, 247-254.	3.0	209
6	Derivation and Validation of Automated Electronic Search Strategies to Extract Charlson Comorbidities From Electronic Medical Records. Mayo Clinic Proceedings, 2012, 87, 817-824.	3.0	181
7	Evaluating Muscle Mass by Using Markers of Kidney Function: Development of the Sarcopenia Index. Critical Care Medicine, 2017, 45, e23-e29.	0.9	179
8	The effect of two different electronic health record user interfaces on intensive care provider task load, errors of cognition, and performance*. Critical Care Medicine, 2011, 39, 1626-1634.	0.9	161
9	Validation of an electronic surveillance system for acute lung injury. Intensive Care Medicine, 2009, 35, 1018-1023.	8.2	156
10	Acute lung injury prediction score: derivation and validation in a population-based sample. European Respiratory Journal, 2011, 37, 604-609.	6.7	134
11	Delayed Rapid Response Team Activation Is Associated With Increased Hospital Mortality, Morbidity, and Length of Stay in a Tertiary Care Institution*. Critical Care Medicine, 2016, 44, 54-63.	0.9	110
12	Predictors of Delayed Postoperative Respiratory Depression Assessed from Naloxone Administration. Anesthesia and Analgesia, 2015, 121, 422-429.	2.2	101
13	An appraisal of published usability evaluations of electronic health records via systematic review. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 218-226.	4.4	86
14	The implementation of clinician designed, human-centered electronic medical record viewer in the intensive care unit: A pilot step-wedge cluster randomized trial. International Journal of Medical Informatics, 2015, 84, 299-307.	3.3	82
15	Derivation and Validation of Automated Electronic Search Strategies to Identify Pertinent Risk Factors for Postoperative Acute Lung Injury. Mayo Clinic Proceedings, 2011, 86, 382-388.	3.0	79
16	Limiting ventilator-induced lung injury through individual electronic medical record surveillance*. Critical Care Medicine, 2011, 39, 34-39.	0.9	77
17	Novel Representation of Clinical Information in the ICU. Applied Clinical Informatics, 2010, 01, 116-131.	1.7	71
18	Tele-Critical Care: An Update From the Society of Critical Care Medicine Tele-ICU Committee*. Critical	0.9	67

Care Medicine, 2020, 48, 553-561.

#	Article	IF	CITATIONS
19	Data Utilization for Medical Decision Making at the Time of Patient Admission to ICU*. Critical Care Medicine, 2013, 41, 1502-1510.	0.9	66
20	Enrollment into a time sensitive clinical study in the critical care setting: results from computerized septic shock sniffer implementation. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 639-644.	4.4	63
21	Impact of the Electronic Medical Record on Mortality, Length of Stay, and Cost in the Hospital and ICU. Critical Care Medicine, 2015, 43, 1276-1282.	0.9	58
22	Epidemiology of Critical Care Syndromes, Organ Failures, and Life-Support Interventions in a Suburban US Community. Chest, 2011, 140, 1447-1455.	0.8	53
23	Clinical review: The hospital of the future - building intelligent environments to facilitate safe and effective acute care delivery. Critical Care, 2012, 16, 220.	5.8	51
24	The Effect of an Electronic Checklist on Critical Care Provider Workload, Errors, and Performance. Journal of Intensive Care Medicine, 2016, 31, 205-212.	2.8	51
25	Prospective validation of a near real-time EHR-integrated automated SOFA score calculator. International Journal of Medical Informatics, 2017, 103, 1-6.	3.3	51
26	Timing of the Onset of Acute Respiratory Distress Syndrome: A Population-Based Study. Respiratory Care, 2011, 56, 576-582.	1.6	49
27	Mortality in individuals treated with COVID-19 convalescent plasma varies with the geographic provenance of donors. Nature Communications, 2021, 12, 4864.	12.8	49
28	ICU data mart: a non-iT approach. A team of clinicians, researchers and informatics personnel at the Mayo Clinic have taken a homegrown approach to building an ICU data mart. Healthcare Informatics: the Business Magazine for Information and Communication Systems, 2011, 28, 42, 44-5.	0.0	49
29	Association of Serum Magnesium on Mortality in Patients Admitted to the Intensive Cardiac Care Unit. American Journal of Medicine, 2017, 130, 229.e5-229.e13.	1.5	46
30	Developing the Surveillance Algorithm for Detection of Failure to Recognize and Treat Severe Sepsis. Mayo Clinic Proceedings, 2015, 90, 166-175.	3.0	45
31	A Living, Interactive Systematic Review and Network Meta-analysis of First-line Treatment of Metastatic Renal Cell Carcinoma. European Urology, 2021, 80, 712-723.	1.9	43
32	Access to and safety of COVID-19 convalescent plasma in the United States Expanded Access Program: A national registry study. PLoS Medicine, 2021, 18, e1003872.	8.4	43
33	Trends in the Incidence and Outcomes of Disseminated Intravascular Coagulation in Critically Ill Patients (2004-2010). Chest, 2013, 143, 1235-1242.	0.8	42
34	Development and Implementation of Sepsis Alert Systems. Clinics in Chest Medicine, 2016, 37, 219-229.	2.1	42
35	Multicenter derivation and validation of an early warning score for acute respiratory failure or death in the hospital. Critical Care, 2018, 22, 286.	5.8	42
36	Electronic health record surveillance algorithms facilitate the detection of transfusionâ€related pulmonary complications. Transfusion, 2013, 53, 1205-1216.	1.6	41

#	Article	IF	CITATIONS
37	Validation of automated sepsis surveillance based on the Sepsis-3 clinical criteria against physician record review in a general hospital population: observational study using electronic health records data. BMJ Quality and Safety, 2020, 29, 735-745.	3.7	36
38	Mapping physicians' admission diagnoses to structured concepts towards fully automatic calculation of acute physiology and chronic health evaluation score. BMJ Open, 2011, 1, e000216-e000216.	1.9	33
39	The accuracy and efficiency of electronic screening for recruitment into a clinical trial on COPD. Respiratory Medicine, 2011, 105, 1501-1506.	2.9	31
40	Development and Verification of a Digital Twin Patient Model to Predict Specific Treatment Response During the First 24 Hours of Sepsis. , 2020, 2, e0249.		30
41	Connecting the dots: rule-based decision support systems in the modern EMR era. Journal of Clinical Monitoring and Computing, 2013, 27, 443-448.	1.6	29
42	User perception and experience of the introduction of a novel critical care patient viewer in the ICU setting. International Journal of Medical Informatics, 2016, 88, 86-91.	3.3	27
43	Health IT Usability Focus Section: Data Use and Navigation Patterns among Medical ICU Clinicians during Electronic Chart Review. Applied Clinical Informatics, 2017, 08, 1117-1126.	1.7	25
44	Clinical data needs in the neonatal intensive care unit electronic medical record. BMC Medical Informatics and Decision Making, 2014, 14, 92.	3.0	23
45	Automating Clinical Score Calculation within the Electronic Health Record. Applied Clinical Informatics, 2017, 08, 369-380.	1.7	22
46	Validation of Computerized Automatic Calculation of the Sequential Organ Failure Assessment Score. Critical Care Research and Practice, 2013, 2013, 1-8.	1.1	21
47	Editor's Choice-Clinical impact of delirium and antipsychotic therapy: 10-Year experience from a referral coronary care unit. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 560-568.	1.0	21
48	Artificial intelligence and computer simulation models in critical illness. World Journal of Critical Care Medicine, 2020, 9, 13-19.	1.8	21
49	The use of an electronic medical record based automatic calculation tool to quantify risk of unplanned readmission to the intensive care unit: A validation study. Journal of Critical Care, 2011, 26, 634.e9-634.e15.	2.2	20
50	Sniffing out acute kidney injury in the ICU. Current Opinion in Critical Care, 2013, 19, 531-536.	3.2	20
51	Early intervention of patients at risk for acute respiratory failure and prolonged mechanical ventilation with a checklist aimed at the prevention of organ failure: protocol for a pragmatic stepped-wedged cluster trial of PROOFCheck: TableÂ1. BMJ Open, 2016, 6, e011347.	1.9	19
52	Improving the delivery of palliative care through predictive modeling and healthcare informatics. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1065-1073.	4.4	19
53	Derivation and validation of a search algorithm to retrospectively identify mechanical ventilation initiation in the intensive care unit. BMC Medical Informatics and Decision Making, 2014, 14, 55.	3.0	17
54	Utilities of Electronic Medical Records to Improve Quality of Care for Acute Kidney Injury: Past, Present, Future. Nephron, 2015, 131, 92-96.	1.8	17

#	Article	IF	CITATIONS
55	Information needs for the OR and PACU electronic medical record. Applied Clinical Informatics, 2014, 05, 630-641.	1.7	16
56	Important clinician information needs about family members in the intensive care unit. Journal of Critical Care, 2015, 30, 1317-1323.	2.2	16
57	Towards Prevention of Acute Syndromes. Applied Clinical Informatics, 2014, 05, 58-72.	1.7	15
58	Findings from the Implementation of a Validated Readmission Predictive Tool in the Discharge Workflow of a Medical Intensive Care Unit. Annals of the American Thoracic Society, 2014, 11, 737-743.	3.2	14
59	A Survey from a Large Academic Medical Center. Applied Clinical Informatics, 2015, 06, 305-317.	1.7	14
60	Clinical calculators in hospital medicine: Availability, classification, and needs. Computer Methods and Programs in Biomedicine, 2016, 133, 1-6.	4.7	14
61	A Multisite Survey Study of EMR Review Habits, Information Needs, and Display Preferences among Medical ICU Clinicians Evaluating New Patients. Applied Clinical Informatics, 2017, 08, 1197-1207.	1.7	14
62	Tele-ICU Technologies. Critical Care Clinics, 2019, 35, 427-438.	2.6	14
63	lterative User Interface Design for Automated Sequential Organ Failure Assessment Score Calculator in Sepsis Detection. JMIR Human Factors, 2017, 4, e14.	2.0	14
64	Clinical Knowledge-Based Inference Model for Early Detection of Acute Lung Injury. Annals of Biomedical Engineering, 2012, 40, 1131-1141.	2.5	13
65	Interaction Time with Electronic Health Records: A Systematic Review. Applied Clinical Informatics, 2021, 12, 788-799.	1.7	13
66	Retrospective Derivation and Validation of a Search Algorithm to Identify Emergent Endotracheal Intubations in the Intensive Care Unit. Applied Clinical Informatics, 2013, 04, 419-427.	1.7	12
67	Decision Support for Tactical Combat Casualty Care Using Machine Learning to Detect Shock. Military Medicine, 2021, 186, 273-280.	0.8	12
68	Customized Reference Ranges for Laboratory Values Decrease False Positive Alerts in Intensive Care Unit Patients. PLoS ONE, 2014, 9, e107930.	2.5	12
69	Diagnostic Performance of Electronic Syndromic Surveillance Systems in Acute Care. Applied Clinical Informatics, 2013, 04, 212-224.	1.7	11
70	Automated Sepsis Detection, Alert, and Clinical Decision Support. Critical Care Medicine, 2015, 43, 1776-1777.	0.9	11
71	Testing modes of computerized sepsis alert notification delivery systems. BMC Medical Informatics and Decision Making, 2016, 16, 156.	3.0	11
72	Clinical impact of intraoperative electronic health record downtime on surgical patients. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 928-933.	4.4	11

#	Article	IF	CITATIONS
73	Do patients in a medical or surgical ICU benefit from a neurologic consultation?. International Journal of Neuroscience, 2015, 125, 512-520.	1.6	10
74	Towards automated calculation of evidence-based clinical scores. World Journal of Methodology, 2017, 7, 16.	3.5	10
75	Overestimation of Clomerular Filtration Rate Among Critically III Adults With Hospital-Acquired Oligoanuric Acute Kidney Injury. Journal of Pharmacy Practice, 2016, 29, 125-131.	1.0	9
76	Automatic quality improvement reports in the intensive care unit: One step closer toward meaningful use. World Journal of Critical Care Medicine, 2016, 5, 165.	1.8	9
77	Will the Electronic Medical Record Live Up to Its Promise?. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 585-588.	5.6	8
78	Medical Informatics: An Essential Tool for Health Sciences Research in Acute Care. Bosnian Journal of Basic Medical Sciences, 2009, 9, S34-S39.	1.0	8
79	A multidisciplinary approach to the development of digital twin models of critical care delivery in intensive care units. International Journal of Production Research, 2022, 60, 4197-4213.	7.5	8
80	A Comparison of Administrative and Physiologic Predictive Models in Determining Risk Adjusted Mortality Rates in Critically III Patients. PLoS ONE, 2012, 7, e32286.	2.5	7
81	Decision support tool for differential diagnosis of Acute Respiratory Distress Syndrome (ARDS) vs Cardiogenic Pulmonary Edema (CPE): a prospective validation and meta-analysis. Critical Care, 2014, 18, 659.	5.8	7
82	Feasibility and Reliability Testing of Manual Electronic Health Record Reviews as a Tool for Timely Identification of Diagnostic Error in Patients at Risk. Applied Clinical Informatics, 2020, 11, 474-482.	1.7	7
83	Comparison of methods of alert acknowledgement by critical care clinicians in the ICU setting. PeerJ, 2017, 5, e3083.	2.0	7
84	The Impact of Health Information Technology for Early Detection of Patient Deterioration on Mortality and Length of Stay in the Hospital Acute Care Setting: Systematic Review and Meta-Analysis*. Critical Care Medicine, 2022, 50, 1198-1209.	0.9	7
85	Implementation and evaluation of sepsis surveillance and decision support in medical ICU and emergency department. American Journal of Emergency Medicine, 2022, 51, 378-383.	1.6	6
86	Automating Quality Metrics in the Era of Electronic Medical Records: Digital Signatures for Ventilator Bundle Compliance. BioMed Research International, 2015, 2015, 1-6.	1.9	5
87	Decision Support Tool to Improve Glucose Control Compliance After Cardiac Surgery. AACN Advanced Critical Care, 2016, 27, 274-282.	1.1	4
88	Trauma Care Decision Support Under Fire. , 2019, , .		4
89	Bedside Clinicians' Perceptions on the Contributing Role of Diagnostic Errors in Acutely III Patient Presentation. Journal of Patient Safety, 2021, Publish Ahead of Print, e454-e462.	1.7	4
90	Validation of a Machine Learning Model for Early Shock Detection. Military Medicine, 2022, 187, 82-88.	0.8	4

#	Article	IF	CITATIONS
91	Outcome after intubation for septic shock with respiratory distress and hemodynamic compromise: an observational study. BMC Anesthesiology, 2021, 21, 253.	1.8	4
92	Severe sepsis and septic shock in patients with pre-existing non-cardiac pulmonary hypertension: contemporary management and outcomes. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2013, 15, 103-9.	0.1	4
93	Sepsis in critically ill patients with trauma*. Critical Care Medicine, 2011, 39, 876-878.	0.9	3
94	Information Needs Assessment for a Medicine Ward-Focused Rounding Dashboard. Journal of Medical Systems, 2016, 40, 183.	3.6	3
95	Differentiating infectious and noninfectious ventilator-associated complications: A new challenge. American Journal of Infection Control, 2016, 44, 661-665.	2.3	3
96	Creation of the Prevention of Organ Failure Checklist. A Multidisciplinary Approach Using the Modified Delphi Technique. Annals of the American Thoracic Society, 2016, 13, 910-916.	3.2	3
97	Effect of daily use of electronic checklist on physical rehabilitation consultations in critically ill patients. Journal of Critical Care, 2017, 38, 357-361.	2.2	3
98	Utility of AI models in critical care: union of man and the machine. Critical Care, 2021, 25, 46.	5.8	3
99	Starter Kit for Geotagging and Geovisualization in Health Care: Resource Paper. JMIR Formative Research, 2020, 4, e23379.	1.4	3
100	Early Computerization of Patient Care at Mayo Clinic. Mayo Clinic Proceedings, 2016, 91, e93-e101.	3.0	2
101	Predicting Outcomes From Respiratory Distress. Critical Care Medicine, 2016, 44, 1437-1438.	0.9	2
102	Information needs for the rapid response team electronic clinical tool. BMC Medical Informatics and Decision Making, 2017, 17, 142.	3.0	2
103	It Was the Best of Rounds, It Was the Worst of Rounds, It Was the Age of Wisdom, It Was the Age of Electronic Health Records…*. Critical Care Medicine, 2018, 46, 1685-1686.	0.9	2
104	Are We Ready for Video Recognition and Computer Vision in the Intensive Care Unit? A Survey. Applied Clinical Informatics, 2021, 12, 120-132.	1.7	2
105	HAI-Proactive: Development of an Automated Surveillance System for Healthcare-Associated Infections in Sweden. Infection Control and Hospital Epidemiology, 2020, 41, s39-s39.	1.8	2
106	Improving In-Hospital Patient Rescue: What Are Studies on Early Warning Scores Missing? A Scoping Review. , 2022, 4, e0644.		2
107	Association of blood pressure variability with short- and long-term cognitive outcomes in patients with critical illness. Journal of Critical Care, 2022, 71, 154107.	2.2	2
108	VALIDATION OF AUTOMATIC CLINICAL DATA EXTRACTION ON ICU PATIENTS FROM ELECTRONIC MEDICAL RECORDS FOR RESEARCH PURPOSES. Chest, 2009, 136, 14S.	0.8	1

#	Article	IF	CITATIONS
109	233. Critical Care Medicine, 2014, 42, A1417.	0.9	1
110	198. Critical Care Medicine, 2015, 43, 51.	0.9	1
111	Description and pilot evaluation of the Metabolic Irregularities Narrowing down Device software: a case analysis of physician programming. Journal of Community Hospital Internal Medicine Perspectives, 2015, 5, 25793.	0.8	1
112	1380: TIME-MOTION ANALYSIS AND ECONOMIC IMPACT OF SOFA SCORE INTEGRATION INTO THE NEW SEPSIS-3 DEFINITION. Critical Care Medicine, 2016, 44, 420-420.	0.9	1
113	1242: ICU-ACQUIRED VANCOMYCIN-RESISTANT ENTEROCOCCUS: MIND THE NEIGHBORS!. Critical Care Medicine, 2018, 46, 604-604.	0.9	1
114	1214: Development and Verification of a Digital Twin Patient Model to Predict Treatment Response in Sepsis. Critical Care Medicine, 2021, 49, 611-611.	0.9	1
115	1053: Survey of Perception of Using Video Recognition and Computer Vision in the Intensive Care Unit. Critical Care Medicine, 2021, 49, 526-526.	0.9	1
116	Relationship Between Very Cold Outside Weather and Surgical Outcome: Integrating Shallow and Deep Artificial Neural Nets. Studies in Health Technology and Informatics, 2019, 264, 1783-1784.	0.3	1
117	45: Computerized Recruiting for Clinical Research in the Emergency Department. Annals of Emergency Medicine, 2008, 52, S55.	0.6	0
118	Feasibility Study Of Automated Surveillance Of Septic Shock Outside Of The Intensive Care Unit. , 2010, , .		0
119	Preoperative Inhaled Steroids Did Not Protect Against Early Postoperative Acute Lung Injury (ALI). , 2010, , .		0
120	Development and Validation of an Observation Tool for ICU Rounds. Chest, 2011, 140, 958A.	0.8	0
121	961. Critical Care Medicine, 2015, 43, 241-242.	0.9	0
122	Predictors of Delayed Postoperative Respiratory Depression Assessed From Naloxone Administration. Survey of Anesthesiology, 2016, 60, 26.	0.1	0
123	116: IMPROVING TEAMWORK IN THE ICU: ELECTRONIC TASK LIST COMPLETION. Critical Care Medicine, 2016, 44, 106-106.	0.9	0
124	369: CLINICAL INFORMATION NEEDS FOR THE RAPID RESPONSE TEAM ELECTRONIC CONSULTATION TOOL. Critical Care Medicine, 2016, 44, 169-169.	0.9	0
125	1346: CREATION AND VALIDATION OF AN EHR INTEGRATED AUTOMATED SOFA SCORE CALCULATOR. Critical Care Medicine, 2016, 44, 412-412.	0.9	0
126	Delayed Rapid Response Team Activation Is Associated With Increased Hospital Mortality, Morbidity, and Length of Stay in a Tertiary Care Institution. Survey of Anesthesiology, 2016, 60, 200.	0.1	0

#	Article	IF	CITATIONS
127	1500: SEPSIS PREDICTION USING BIG DATA ANALYTICS-BASED TOOLS. Critical Care Medicine, 2018, 46, 734-734.	0.9	0
128	1098: PRELIMINARY ANALYSIS OF PAGER ALERT SYSTEM EFFECT ON PROVIDER BEHAVIOR WITH CHECKLIST USE. Critical Care Medicine, 2018, 46, 532-532.	0.9	0
129	1729: DEVELOPMENT OF A MACHINE LEARNING MODEL FOR EARLY SHOCK DETECTION. Critical Care Medicine, 2020, 48, 839-839.	0.9	0
130	Patient Monitoring Systems. , 2021, , 693-732.		0
131	Bedside Implementation of a Readmission Prediction Model (Stability and Workload Index for) Tj ETQq1 1 0.7843	314 rgBT , 0.8	Overlock 10
132	A living systematic review of immune checkpoint inhibitors in cancer patients: A novel platform for evidence synthesis in oncology Journal of Clinical Oncology, 2019, 37, 6596-6596.	1.6	0
133	Living systematic reviews: A novel mechanism for improving efficiency and quality of evidence synthesis in oncology Journal of Clinical Oncology, 2019, 37, 241-241.	1.6	0
134	Innovation in evidence synthesis: A living systematic review of immune checkpoint inhibitors in cancer patients Journal of Global Oncology, 2019, 5, 80-80.	0.5	0
135	Clinical Decision Support. , 2020, , 149-171.		0
136	Novel evidence synthesis system to support living systematic reviews and living guidelines for cancer immunotherapy Journal of Clinical Oncology, 2020, 38, 2054-2054.	1.6	0
137	1364: USING AN ACUTE CARE LEARNING LAB TO TEST RELIABILITY OF A SEARCH STRATEGY FOR DIAGNOSTIC ERROR/DELAY. Critical Care Medicine, 2020, 48, 659-659.	0.9	0
138	1108: Secondary Analysis of Diagnostic Error Rate in Patients Requiring Rapid Response Team Activation. Critical Care Medicine, 2021, 49, 555-555.	0.9	0
139	DOCtimer: A Timing and Event Recording Tool for Direct Observational Research. Studies in Health Technology and Informatics, 2017, 245, 1309.	0.3	0
140	1267: HEALTH INFORMATION TECHNOLOGY TO DETECT PATIENT DETERIORATION: SYSTEMATIC REVIEW AND META-ANALYSIS. Critical Care Medicine, 2022, 50, 634-634.	0.9	0
141	31: EXAMINING THE ASSOCIATION BETWEEN ICU OPERATIONAL CONDITIONS AND CLINICAL DECISION-MAKING. Critical Care Medicine, 2022, 50, 16-16.	0.9	0
142	Abstract 344: Optimal Serum Potassium, Calcium and Magnesium in the Coronary Care Unit. Circulation: Cardiovascular Quality and Outcomes, 2015, 8, .	2.2	0