

Craig A Umscheid

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

10,257
citations

70961

41
h-index

34900

98
g-index

130
all docs

130
docs citations

130
times ranked

14179
citing authors

#	ARTICLE	IF	CITATIONS
1	Centers for Disease Control and Prevention Guideline for the Prevention of Surgical Site Infection, 2017. JAMA Surgery, 2017, 152, 784.	2.2	2,099
2	Estimating the Proportion of Healthcare-Associated Infections That Are Reasonably Preventable and the Related Mortality and Costs. Infection Control and Hospital Epidemiology, 2011, 32, 101-114.	1.0	873
3	Guideline for Prevention of Catheter-Associated Urinary Tract Infections 2009. Infection Control and Hospital Epidemiology, 2010, 31, 319-326.	1.0	860
4	2020 Focused Updates to the Asthma Management Guidelines: A Report from the National Asthma Education and Prevention Program Coordinating Committee Expert Panel Working Group. Journal of Allergy and Clinical Immunology, 2020, 146, 1217-1270.	1.5	440
5	Comparative effectiveness of cognitive behavioral therapy for insomnia: a systematic review. BMC Family Practice, 2012, 13, 40.	2.9	426
6	The Treatment Cascade for Chronic Hepatitis C Virus Infection in the United States: A Systematic Review and Meta-Analysis. PLoS ONE, 2014, 9, e101554.	1.1	362
7	Evidence-Based Risk Communication. Annals of Internal Medicine, 2014, 161, 270.	2.0	310
8	2018 Infectious Diseases Society of America Clinical Practice Guideline for the Management of Outpatient Parenteral Antimicrobial Therapy. Clinical Infectious Diseases, 2019, 68, e1-e35.	2.9	276
9	PHS Guideline for Reducing Human Immunodeficiency Virus, Hepatitis B Virus, and Hepatitis C Virus Transmission through Organ Transplantation. Public Health Reports, 2013, 128, 247-344.	1.3	224
10	Key Concepts of Clinical Trials: A Narrative Review. Postgraduate Medicine, 2011, 123, 194-204.	0.9	222
11	Statins and Cognitive Function. Annals of Internal Medicine, 2013, 159, 688.	2.0	212
12	Systematic Review and Cost Analysis Comparing Use of chlorhexidine with Use of Iodine for Preoperative Skin Antisepsis to Prevent Surgical Site Infection. Infection Control and Hospital Epidemiology, 2010, 31, 1219-1229.	1.0	194
13	Systematic Review and Cost-Benefit Analysis of Radial Artery Access for Coronary Angiography and Intervention. Circulation: Cardiovascular Quality and Outcomes, 2012, 5, 454-462.	0.9	153
14	Cleaning Hospital Room Surfaces to Prevent Health Care-Associated Infections. Annals of Internal Medicine, 2015, 163, 598-607.	2.0	153
15	Guideline for the Prevention and Control of Norovirus Gastroenteritis Outbreaks in Healthcare Settings. Infection Control and Hospital Epidemiology, 2011, 32, 939-969.	1.0	149
16	Development, implementation, and impact of an automated early warning and response system for sepsis. Journal of Hospital Medicine, 2015, 10, 26-31.	0.7	149
17	A Machine Learning Algorithm to Predict Severe Sepsis and Septic Shock: Development, Implementation, and Impact on Clinical Practice*. Critical Care Medicine, 2019, 47, 1485-1492.	0.4	148
18	Gadolinium-based contrast agents and nephrogenic systemic fibrosis: a systematic review and meta-analysis. Nephrology Dialysis Transplantation, 2008, 24, 856-863.	0.4	140

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19	2018 Infectious Diseases Society of America Clinical Practice Guideline for the Management of Outpatient Parenteral Antimicrobial Therapy. <i>Clinical Infectious Diseases</i> , 2019, 68, 1-4.	2.9	123
20	The Identification of Calcified Coronary Plaque Is Associated With Initiation and Continuation of Pharmacological and Lifestyle Preventive Therapies. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 833-842.	2.3	120
21	Clinician Perception of a Machine Learning-Based Early Warning System Designed to Predict Severe Sepsis and Septic Shock*. <i>Critical Care Medicine</i> , 2019, 47, 1477-1484.	0.4	104
22	Is Fidaxomicin Worth the Cost? An Economic Analysis. <i>Clinical Infectious Diseases</i> , 2013, 57, 555-561.	2.9	102
23	Alginate therapy is effective treatment for GERD symptoms: a systematic review and meta-analysis. <i>Ecological Management and Restoration</i> , 2017, 30, 1-9.	0.2	102
24	Advancing knowledge of rapid reviews: an analysis of results, conclusions and recommendations from published review articles examining rapid reviews. <i>Systematic Reviews</i> , 2015, 4, 50.	2.5	101
25	Post-Acute Care Use and Hospital Readmission after Sepsis. <i>Annals of the American Thoracic Society</i> , 2015, 12, 904-913.	1.5	97
26	Heparin flushing and other interventions to maintain patency of central venous catheters: a systematic review. <i>Journal of Advanced Nursing</i> , 2009, 65, 2007-2021.	1.5	96
27	Comparative Effectiveness of Care Coordination Interventions in the Emergency Department: A Systematic Review. <i>Annals of Emergency Medicine</i> , 2012, 60, 12-23.e1.	0.3	95
28	Hourly Rounding to Improve Nursing Responsiveness. <i>Journal of Nursing Administration</i> , 2014, 44, 462-472.	0.7	89
29	Calcineurin Inhibitor Minimization, Conversion, Withdrawal, and Avoidance Strategies in Renal Transplantation: A Systematic Review and Meta-Analysis. <i>American Journal of Transplantation</i> , 2016, 16, 2117-2138.	2.6	83
30	Osteoinductive bone graft substitutes for lumbar fusion: a systematic review. <i>Journal of Neurosurgery: Spine</i> , 2009, 11, 729-740.	0.9	71
31	Effectiveness of indoor allergen reduction in asthma management: A systematic review. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1854-1869.	1.5	70
32	Neuromuscular Blocking Agents and Neuromuscular Dysfunction Acquired in Critical Illness: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2016, 44, 2070-2078.	0.4	64
33	A systematic review to inform institutional decisions about the use of extracorporeal membrane oxygenation during the H1N1 influenza pandemic*. <i>Critical Care Medicine</i> , 2010, 38, 1398-1404.	0.4	61
34	The Next Organizational Challenge: Finding and Addressing Diagnostic Error. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2014, 40, 102-110.	0.4	61
35	A taxonomy of rapid reviews links report types and methods to specific decision-making contexts. <i>Journal of Clinical Epidemiology</i> , 2015, 68, 1451-1462.e3.	2.4	56
36	Newer glycopeptide antibiotics for treatment of complicated skin and soft tissue infections: systematic review, network meta-analysis and cost analysis. <i>Clinical Microbiology and Infection</i> , 2018, 24, 361-368.	2.8	53

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37	The readmission risk flag: Using the electronic health record to automatically identify patients at risk for 30-day readmission. <i>Journal of Hospital Medicine</i> , 2013, 8, 689-695.	0.7	52
38	HIV Envelope Induces Virus Expression from Resting CD4+ T Cells Isolated from HIV-Infected Individuals in the Absence of Markers of Cellular Activation or Apoptosis. <i>Journal of Immunology</i> , 2003, 170, 2449-2455.	0.4	51
39	Hand Hygiene Compliance Rate During the COVID-19 Pandemic. <i>JAMA Internal Medicine</i> , 2021, 181, 1006-1008.	2.6	50
40	Growth of Ambulatory Virtual Visits and Differential Use by Patient Sociodemographics at One Urban Academic Medical Center During the COVID-19 Pandemic: Retrospective Analysis. <i>JMIR Medical Informatics</i> , 2020, 8, e24544.	1.3	49
41	Agency for Healthcare Research and Quality Evidence-based Practice Center methods for systematically reviewing complex multicomponent health care interventions. <i>Journal of Clinical Epidemiology</i> , 2014, 67, 1181-1191.	2.4	44
42	Updating the guideline development methodology of the Healthcare Infection Control Practices Advisory Committee (HICPAC). <i>American Journal of Infection Control</i> , 2010, 38, 264-273.	1.1	43
43	The Impact of a Computerized Clinical Decision Support Tool on Inappropriate <i>Clostridium difficile</i> Testing. <i>Infection Control and Hospital Epidemiology</i> , 2017, 38, 1204-1208.	1.0	43
44	Brain-Type Natriuretic Peptide and Amino-Terminal Pro-Brain-Type Natriuretic Peptide Discharge Thresholds for Acute Decompensated Heart Failure. <i>Annals of Internal Medicine</i> , 2017, 166, 180.	2.0	40
45	Transfusion Thresholds for Major Orthopedic Surgery: A Systematic Review and Meta-analysis. <i>Journal of Arthroplasty</i> , 2017, 32, 3815-3821.	1.5	40
46	Hospital-Based Comparative Effectiveness Centers: Translating Research into Practice to Improve the Quality, Safety and Value of Patient Care. <i>Journal of General Internal Medicine</i> , 2010, 25, 1352-1355.	1.3	38
47	Venous thromboembolism prophylaxis for patients undergoing bariatric surgery: a systematic review. <i>Surgery for Obesity and Related Diseases</i> , 2010, 6, 213-220.	1.0	36
48	Fit for purpose: perspectives on rapid reviews from end-user interviews. <i>Systematic Reviews</i> , 2017, 6, 32.	2.5	36
49	Clinician Perception of the Effectiveness of an Automated Early Warning and Response System for Sepsis in an Academic Medical Center. <i>Annals of the American Thoracic Society</i> , 2015, 12, 1514-1519.	1.5	33
50	Racial Disparities in Hypertension Control, but Not Treatment Intensification. <i>American Journal of Hypertension</i> , 2010, 23, 54-61.	1.0	32
51	Excerpt From PHS Guideline for Reducing HIV, HBV and HCV Transmission Through Organ Transplantation. <i>American Journal of Transplantation</i> , 2013, 13, 1953-1962.	2.6	31
52	Assessing preventability in the quest to reduce hospital readmissions. <i>Journal of Hospital Medicine</i> , 2014, 9, 598-603.	0.7	31
53	Integrating local data into hospital-based healthcare technology assessment: Two case studies. <i>International Journal of Technology Assessment in Health Care</i> , 2010, 26, 294-300.	0.2	30
54	Economic value of norovirus outbreak control measures in healthcare settings. <i>Clinical Microbiology and Infection</i> , 2011, 17, 640-646.	2.8	29

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55	Should Guidelines Incorporate Evidence on Patient Preferences?. <i>Journal of General Internal Medicine</i> , 2009, 24, 988-990.	1.3	28
56	A Primer on Performing Systematic Reviews and Meta-analyses. <i>Clinical Infectious Diseases</i> , 2013, 57, 725-734.	2.9	27
57	AHRQ series on complex intervention systematic reviewsâ€”paper 5: advanced analytic methods. <i>Journal of Clinical Epidemiology</i> , 2017, 90, 37-42.	2.4	25
58	Untreated Hypertension and the Emergency Department: A Chance to Intervene?. <i>Academic Emergency Medicine</i> , 2008, 15, 529-536.	0.8	24
59	Economic Impact of Outbreaks of Norovirus Infection in Hospitals. <i>Infection Control and Hospital Epidemiology</i> , 2011, 32, 191-193.	1.0	24
60	The Mortality Review Committee: A Novel and Scalable Approach to Reducing Inpatient Mortality. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2013, 39, 387-AP9.	0.4	22
61	Antifibrinolytic use in adult cardiac surgery. <i>Current Opinion in Hematology</i> , 2007, 14, 455-467.	1.2	21
62	Comparing the economic and health benefits of different approaches to diagnosing <i>Clostridium difficile</i> infection. <i>Clinical Microbiology and Infection</i> , 2015, 21, 77.e1-77.e9.	2.8	20
63	Using a 10-step framework to support the implementation of an evidence-based clinical pathways programme. <i>BMJ Quality and Safety</i> , 2019, 28, 476-485.	1.8	20
64	Effectiveness of a novel and scalable clinical decision support intervention to improve venous thromboembolism prophylaxis: a quasi-experimental study. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 92.	1.5	19
65	Framework for Integrating Equity Into Machine Learning Models. <i>Chest</i> , 2022, 161, 1621-1627.	0.4	19
66	Up-Regulation of Oxytocin Receptor Messenger Ribonucleic Acid and Protein by Estradiol in the Cervix of Ovariectomized Rat1. <i>Biology of Reproduction</i> , 1998, 59, 1131-1138.	1.2	18
67	Tissue Doppler imaging for diagnosis of coronary artery disease: a systematic review and meta-analysis. <i>Cardiovascular Ultrasound</i> , 2012, 10, 47.	0.5	18
68	Methods Guide for Authors of Systematic Reviews of Medical Tests: A Collaboration Between the Agency for Healthcare Research and Quality (AHRQ) and the Journal of General Internal Medicine. <i>Journal of General Internal Medicine</i> , 2012, 27, 1-3.	1.3	18
69	Neonatal Herpes Simplex Virus Type 1 Infection and Jewish Ritual Circumcision With Oral Suction: A Systematic Review. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2015, 4, 126-131.	0.6	18
70	Evidence in the learning organization. <i>Health Research Policy and Systems</i> , 2009, 7, 4.	1.1	17
71	Usability and Impact of a Computerized Clinical Decision Support Intervention Designed to Reduce Urinary Catheter Utilization and Catheter-Associated Urinary Tract Infections. <i>Infection Control and Hospital Epidemiology</i> , 2014, 35, 1147-1155.	1.0	14
72	Magnetocardiography for the Diagnosis of Coronary Artery Diseaseâ€”A Systematic Review and Meta-Analysis. <i>Annals of Noninvasive Electrocardiology</i> , 2012, 17, 291-298.	0.5	12

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73	Incentivizing “Structures” Over “Outcomes” to Bridge the Knowing-Doing Gap. <i>JAMA Internal Medicine</i> , 2015, 175, 354.	2.6	11
74	Alginate therapy is effective treatment for gastroesophageal reflux disease symptoms: a systematic review and meta-analysis. <i>Ecological Management and Restoration</i> , 2016, 30, 1-8.	0.2	11
75	A Mobile App to Facilitate Socially Distanced Hospital Communication During COVID-19: Implementation Experience. <i>JMIR MHealth and UHealth</i> , 2021, 9, e24452.	1.8	11
76	Risk of complications with use of aspirin during renal biopsy: A systematic review. <i>Clinical Nephrology</i> , 2018, 89, 67-76.	0.4	11
77	AHRQ EPC Series on Improving Translation of Evidence: Use of a Clinical Pathway for C. Difficile Treatment to Facilitate the Translation of Research Findings into Practice. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2019, 45, 822-828.	0.4	10
78	Maximizing the Clinical Utility of Comparative Effectiveness Research. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 876-879.	2.3	9
79	Using educational prescriptions to teach medical students evidence-based medicine. <i>Medical Teacher</i> , 2016, 38, 1112-1117.	1.0	9
80	Use of clinical pathways integrated into the electronic health record to address the coronavirus disease 2019 (COVID-19) pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2023, 44, 260-267.	1.0	9
81	Nonpharmacologic interventions for prevention of catheter-related thrombosis: A systematic review. <i>Journal of Critical Care</i> , 2013, 28, 316.e9-316.e16.	1.0	8
82	Evidence synthesis activities of a hospital evidence-based practice center and impact on hospital decision making. <i>Journal of Hospital Medicine</i> , 2016, 11, 185-192.	0.7	8
83	The potential economic value of sputum culture use in patients with community-acquired pneumonia and healthcare-associated pneumonia. <i>Clinical Microbiology and Infection</i> , 2019, 25, 1038.e1-1038.e9.	2.8	8
84	When the decision is what to decide: Using evidence inventory reports to focus health technology assessments. <i>International Journal of Technology Assessment in Health Care</i> , 2011, 27, 127-132.	0.2	7
85	Uptake and impact of a clinical diagnostic decision support tool at an academic medical center. <i>Diagnosis</i> , 2015, 2, 123-127.	1.2	7
86	Determining the Association Between End-of-Life Care Resources and Patient Outcomes in Pennsylvania ICUs*. <i>Critical Care Medicine</i> , 2019, 47, 1591-1598.	0.4	7
87	Development, implementation, and use of an “equity lens” integrated into an institutional quality scorecard. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1785-1790.	2.2	7
88	Next Steps in Improving Healthcare Value: AHRQ Evidence-Based Practice Center Program “Applying the Knowledge to Practice to Data Cycle to Strengthen the Value of Patient Care. <i>Journal of Hospital Medicine</i> , 2019, 14, 311-314.	0.7	7
89	Teaching Evidence Assimilation for Collaborative Health Care (TEACH) 2009-2014: Building Evidence-Based Capacity Within Health Care Provider Organizations. <i>EGEMS (Washington, DC)</i> , 2017, 3, 7.	2.0	7
90	Is It Time for a Blood Pressure Measurement “Bundle”? <i>Journal of General Internal Medicine</i> , 2012, 27, 615-617.	1.3	6

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91	Use of Advance Care Planning Billing Codes in a Retrospective Cohort of Privately Insured Patients. <i>Journal of General Internal Medicine</i> , 2019, 34, 2307-2309.	1.3	6
92	National Survey of Hospitalistsâ€™ Experiences with Incidental Pulmonary Nodules. <i>Journal of Hospital Medicine</i> , 2019, 14, 353-356.	0.7	6
93	Research letter: Do physicians discuss. <i>Journal of General Internal Medicine</i> , 2006, 21, 400-401.	1.3	4
94	A Follow-Up Report Card on Computer-Assisted Diagnosisâ€™the Grade: C+. <i>Journal of General Internal Medicine</i> , 2012, 27, 142-144.	1.3	4
95	Effect of simvastatinâ€™amiodarone drug interaction alert on appropriate prescribing. <i>American Journal of Health-System Pharmacy</i> , 2013, 70, 1878-1879.	0.5	4
96	Comparative Effectiveness of Cognitive Behavioral Therapy for Insomnia: A Systematic Review. <i>Focus (American Psychiatric Publishing)</i> , 2014, 12, 80-89.	0.4	4
97	Impact of a Hospital Evidenceâ€™Based Practice Center (EPC) on Nursing Policy and Practice. <i>Worldviews on Evidence-Based Nursing</i> , 2019, 16, 4-11.	1.2	4
98	Predictive Analytics Programs at Large Healthcare Systems in the USA: a National Survey. <i>Journal of General Internal Medicine</i> , 2022, 37, 4015-4017.	1.3	4
99	Reply to Maiwald et al and Riccio et al. <i>Infection Control and Hospital Epidemiology</i> , 2011, 32, 406-408.	1.0	3
100	Snapshots of Low-Value Medical Care. <i>JAMA Internal Medicine</i> , 2013, 173, 186.	2.6	2
101	VP194 Health Technology Assessment Applied To Nurse Retention And Development: A Sickle Cell Example. <i>International Journal of Technology Assessment in Health Care</i> , 2017, 33, 239-239.	0.2	2
102	Assessing the confidence, knowledge and learning preferences of healthcare workers regarding personal protective equipment use during the coronavirus disease 2019 (COVID-19) pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2023, 44, 666-669.	1.0	2
103	Weight-Based Low-Molecular-Weight Heparin versus Weight-Based Intravenous Unfractionated Heparin. <i>Annals of Internal Medicine</i> , 2007, 147, 433.	2.0	1
104	Statins and Cognitive Function: A Systematic Reviewâ€™. <i>Journal of Clinical Lipidology</i> , 2014, 8, 336-338.	0.6	1
105	In response to â€™development, implementation and impact of an automated early warning and response system for sepsisâ€™. <i>Journal of Hospital Medicine</i> , 2015, 10, 341-341.	0.7	1
106	Principles for Disclosure of Interests and Management of Conflicts in Guidelines: Desirable and Undesirable Action and Consequences. <i>Annals of Internal Medicine</i> , 2016, 164, 701.	2.0	1
107	Brain-Type Natriuretic Peptide and Amino-Terminal Proâ€™Brain-Type Natriuretic Peptide Discharge Thresholds for Acute Decompensated Heart Failure. <i>Annals of Internal Medicine</i> , 2017, 166, 916.	2.0	1
108	Patientâ€™Centered, Payerâ€™Centered, or Both? The 30â€™Day Readmission Metric. <i>Journal of Hospital Medicine</i> , 2018, 13, 356-357.	0.7	1

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109	Use of an innovation center to foster high-value COVID-19 care at an academic healthcare system. <i>Journal of Hospital Medicine</i> , 2022, 17, 384-388.	0.7	1
110	Response to "Racial Disparities in Hypertension Control: Not the Provider but Still a Problem". <i>American Journal of Hypertension</i> , 2010, 23, 455-455.	1.0	0
111	Reply to Simon, Shah et al, and Hartzema and Chen. <i>Clinical Infectious Diseases</i> , 2014, 58, 605-607.	2.9	0
112	Systematic Review of Calcineurin Inhibitor Monitoring and Dosing Strategies in Renal Transplantation: Notice of a New Report Funded by the Agency for Healthcare Research and Quality. <i>Clinical Chemistry</i> , 2016, 62, 900-901.	1.5	0
113	OP68 An Evidence-Based Clinical Pathways Program Reduces Low-Value Care. <i>International Journal of Technology Assessment in Health Care</i> , 2017, 33, 29-30.	0.2	0
114	PP018 Clinical Risk Prediction Scores For Venous Thromboembolism In Hospitalized Patients. <i>International Journal of Technology Assessment in Health Care</i> , 2017, 33, 76-76.	0.2	0
115	Expanding epidemiology and biostatistics curricula in undergraduate medical education to promote evidence-based practice. <i>BMJ Evidence-Based Medicine</i> , 2018, 23, 117-117.	1.7	0
116	PP22 How Do Health System Leaders Use Evidence To Inform Action?. <i>International Journal of Technology Assessment in Health Care</i> , 2018, 34, 74-75.	0.2	0
117	Clinician Use of Advance Care Planning Billing Codes among Privately Insured Patients in 2016. <i>Journal of Palliative Medicine</i> , 2019, 22, 1304-1305.	0.6	0
118	Health Technology Assessment Centers—an Infrastructure for Health Systems to Translate Evidence into Practice. <i>Journal of General Internal Medicine</i> , 2020, 35, 1296-1299.	1.3	0
119	Communicating Guideline Recommendations Using Graphic Narrative Versus Text-Based Broadcast Screensavers: Design and Implementation Study. <i>JMIR Human Factors</i> , 2021, 8, e27171.	1.0	0
120	The Penn Medicine Center for Evidence-Based Practice: Supporting the Quality, Safety, and Value of Patient Care Through Evidence-Based Practice at the Systems Level (USA). , 2016, , 213-226.		0