Susan S Huang

List of Publications by Year
in descending order

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91 papers	3,237 citations	201674 27 h-index	155660 55 g-index
92 all docs	92 docs citations	92 times ranked	4560 citing authors

#	Article	IF	Citations
1	Targeted versus Universal Decolonization to Prevent ICU Infection. New England Journal of Medicine, 2013, 368, 2255-2265.	27.0	676
2	Continued Impact of Pneumococcal Conjugate Vaccine on Carriage in Young Children. Pediatrics, 2009, 124, e1-e11.	2.1	258
3	Rapid detection of single bacteria in unprocessed blood using Integrated Comprehensive Droplet Digital Detection. Nature Communications, 2014, 5, 5427.	12.8	248
4	Multi-institute analysis of carbapenem resistance reveals remarkable diversity, unexplained mechanisms, and limited clonal outbreaks. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1135-1140.	7.1	158
5	The Impact of Coronavirus Disease 2019 (COVID-19) on Healthcare-Associated Infections. Clinical Infectious Diseases, 2022, 74, 1748-1754.	5.8	152
6	Pragmatic clinical trials embedded in healthcare systems: generalizable lessons from the NIH Collaboratory. BMC Medical Research Methodology, 2017, 17, 144.	3.1	127
7	Decolonization to Reduce Postdischarge Infection Risk among MRSA Carriers. New England Journal of Medicine, 2019, 380, 638-650.	27.0	107
8	A Case of Novel Coronavirus Disease 19 in a Chronic Hemodialysis Patient Presenting with Gastroenteritis and Developing Severe Pulmonary Disease. American Journal of Nephrology, 2020, 51, 337-342.	3.1	93
9	Chlorhexidine versus routine bathing to prevent multidrug-resistant organisms and all-cause bloodstream infections in general medical and surgical units (ABATE Infection trial): a cluster-randomised trial. Lancet, The, 2019, 393, 1205-1215.	13.7	84
10	Rapid bacterial detection and antibiotic susceptibility testing in whole blood using one-step, high throughput blood digital PCR. Lab on A Chip, 2020, 20, 477-489.	6.0	75
11	Impact of Policies on the Rise in Sepsis Incidence, 2000â€“2010. Clinical Infectious Diseases, 2016, 62, 695-703.	5.8	72
12	Methicillin-Resistant Staphylococcus aureus Infection and Hospitalization in High-Risk Patients in the Year following Detection. PLoS ONE, 2011, 6, e24340.	2.5	71
13	Objective Sepsis Surveillance Using Electronic Clinical Data. Infection Control and Hospital Epidemiology, 2016, 37, 163-171.	1.8	66
14	Automated Detection of Infectious Disease Outbreaks in Hospitals: A Retrospective Cohort Study. PLoS Medicine, 2010, 7, e1000238.	8.4	65
15	A guide to research partnerships for pragmatic clinical trials. BMJ, The, 2014, 349, g6826-g6826.	6.0	54
16	Strainâ€Relatedness of Methicillinâ€ResistantStaphylococcus aureusIsolates Recovered from Patients with Repeated Infection. Clinical Infectious Diseases, 2008, 46, 1241-1247.	5.8	51
17	Cost-Effectiveness of Strategies to Prevent Methicillin-ResistantStaphylococcus aureusTransmission and Infection in an Intensive Care Unit. Infection Control and Hospital Epidemiology, 2015, 36, 17-27.	1.8	51
18	Diversity of Methicillin-Resistant Staphylococcus aureus (MRSA) Strains Isolated from Inpatients of 30 Hospitals in Orange County, California. PLoS ONE, 2013, 8, e62117.	2.5	45

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19	The SHIELD Orange County Project: Multidrug-resistant Organism Prevalence in 21 Nursing Homes and Long-term Acute Care Facilities in Southern California. Clinical Infectious Diseases, 2019, 69, 1566-1573.	5.8	42
20	Impact of Hospital Population Case-Mix, Including Poverty, on Hospital All-Cause and Infection-Related 30-Day Readmission Rates. Clinical Infectious Diseases, 2015, 61, 1235-1243.	5.8	38
21	Attributable healthcare utilization and cost of pneumoniae due to drug-resistant Streptococcus pneumoniae: a cost analysis. Antimicrobial Resistance and Infection Control, 2014, 3, 16.	4.1	36
22	Effect of body surface decolonisation on bacteriuria and candiduria in intensive care units: an analysis of a cluster-randomised trial. Lancet Infectious Diseases, The, 2016, 16, 70-79.	9.1	36
23	Prevalence of and Factors Associated With Multidrug Resistant Organism (MDRO) Colonization in 3 Nursing Homes. Infection Control and Hospital Epidemiology, 2016, 37, 1485-1488.	1.8	34
24	Cost Savings of Universal Decolonization to Prevent Intensive Care Unit Infection: Implications of the REDUCE MRSA Trial. Infection Control and Hospital Epidemiology, 2014, 35, S23-S31.	1.8	33
25	Immunization, Antibiotic Use, and Pneumococcal Colonization Over a 15-Year Period. Pediatrics, 2017, 140, .	2.1	33
26	Healthcare-Associated Pathogens and Nursing Home Policies and Practices: Results From a National Survey. Infection Control and Hospital Epidemiology, 2015, 36, 759-766.	1.8	32
27	Cost-Benefit Analysis from the Hospital Perspective of Universal Active Screening Followed by Contact Precautions for Methicillin-ResistantStaphylococcus aureusCarriers. Infection Control and Hospital Epidemiology, 2015, 36, 2-13.	1.8	28
28	Healthcare Workers and Post-Elimination Era Measles: Lessons on Acquisition and Exposure Prevention. Clinical Infectious Diseases, 2016, 62, 166-172.	5.8	24
29	Colonization with antibiotic-susceptible strains protects against methicillin-resistant Staphylococcus aureus but not vancomycin-resistant enterococci acquisition: a nested case-control study. Critical Care, 2011, 15, R210.	5.8	23
30	Electronic health record solutions to reduce central line-associated bloodstream infections by enhancing documentation of central line insertion practices, line days, and daily line necessity. American Journal of Infection Control, 2016, 44, 438-443.	2.3	21
31	Closing the Translation Gap: Toolkit-based Implementation of Universal Decolonization in Adult Intensive Care Units Reduces Central Lineâ€“associated Bloodstream Infections in 95 Community Hospitals. Clinical Infectious Diseases, 2016, 63, 172-177.	5.8	21
32	Identifying the effect of patient sharing on between-hospital genetic differentiation of methicillin-resistant Staphylococcus aureus. Genome Medicine, 2016, 8, 18.	8.2	20
33	High Prevalence of Multidrug-Resistant Organism Colonization in 28 Nursing Homes: An â€œIceberg Effectâ€• Journal of the American Medical Directors Association, 2020, 21, 1937-1943.e2.	2.5	20
34	Skin Metagenomic Sequence Analysis of Early Candida auris Outbreaks in U.S. Nursing Homes. MSphere, 2021, 6, e0028721.	2.9	20
35	Surgical Site Infection Surveillance Following Ambulatory Surgery. Infection Control and Hospital Epidemiology, 2015, 36, 225-228.	1.8	19
36	Calculating Power by Bootstrap, with an Application to Cluster-randomized Trials. EGEMS (Washington, DC), 2017, 4, 32.	2.0	19

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37	Data Sharing and Embedded Research. Annals of Internal Medicine, 2017, 167, 668.	3.9	18
38	Statistical detection of geographic clusters of resistantEscherichia coliin a regional network with WHONET and SaTScan. Expert Review of Anti-Infective Therapy, 2016, 14, 1097-1107.	4.4	15
39	Tracking the spread of carbapenem-resistantEnterobacteriaceae(CRE) through clinical cultures alone underestimates the spread of CRE even more than anticipated. Infection Control and Hospital Epidemiology, 2019, 40, 731-734.	1.8	15
40	Inter-species geographic signatures for tracing horizontal gene transfer and long-term persistence of carbapenem resistance. Genome Medicine, 2022, 14, 37.	8.2	15
41	Does a quality improvement campaign accelerate take-up of new evidence? A ten-state cluster-randomized controlled trial of the IHIâ€™s Project JOINTS. Implementation Science, 2017, 12, 51.	6.9	14
42	Emergence of carbapenem-resistant Enterobacteriaceae in Orange County, California, and support for early regional strategies to limit spread. American Journal of Infection Control, 2017, 45, 1177-1182.	2.3	14
43	Quantifying the Exposure to Antibiotic-Resistant Pathogens Among Patients Discharged From a Single Hospital Across All California Healthcare Facilities. Infection Control and Hospital Epidemiology, 2015, 36, 1275-1282.	1.8	13
44	Trials without tribulations: Minimizing the burden of pragmatic research on healthcare systems. Healthcare, 2016, 4, 138-141.	1.3	11
45	Variable Case Detection and Many Unreported Cases of Surgical-Site Infection Following Colon Surgery and Abdominal Hysterectomy in a Statewide Validation. Infection Control and Hospital Epidemiology, 2017, 38, 1091-1097.	1.8	11
46	Effectiveness of a multistate quality improvement campaign in reducing risk of surgical site infections following hip and knee arthroplasty. BMJ Quality and Safety, 2019, 28, 374-381.	3.7	11
47	Improving Public Reporting and Data Validation for Complex Surgical Site Infections After Coronary Artery Bypass Graft Surgery and Hip Arthroplasty. Open Forum Infectious Diseases, 2014, 1, ofu106.	0.9	10
48	Secondary Cases of Delta Variant Coronavirus Disease 2019 Among Vaccinated Healthcare Workers With Breakthrough Infections is Rare. Clinical Infectious Diseases, 2022, 75, e895-e897.	5.8	10
49	Lack of Comprehensive Outbreak Detection in Hospitals. Infection Control and Hospital Epidemiology, 2016, 37, 466-468.	1.8	9
50	Health Careâ€“Associated Infection: Assessing the Value and Validity of Our Measures. Clinical Infectious Diseases, 2009, 48, 1116-1122.	5.8	8
51	Catheter-Associated Urinary Tract Infections â€” Turning the Tide. New England Journal of Medicine, 2016, 374, 2168-2169.	27.0	8
52	Evaluating hospital infection control measures for antimicrobial-resistant pathogens using stochastic transmission models: Application to vancomycin-resistant enterococci in intensive care units. Statistical Methods in Medical Research, 2018, 27, 269-285.	1.5	8
53	Confounding by indication affects antimicrobial risk factors for methicillin-resistant Staphylococcus aureus but not vancomycin-resistant enterococci acquisition. Antimicrobial Resistance and Infection Control, 2014, 3, 19.	4.1	7
54	Automated tracking and ordering of precautions for multidrug-resistant organisms. American Journal of Infection Control, 2015, 43, 577-580.	2.3	7

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55	Addressing guideline and policy changes during pragmatic clinical trials. Clinical Trials, 2019, 16, 431-437.	1.6	7
56	A Bayesian model of acquisition and clearance of bacterial colonization incorporating within-host variation. PLoS Computational Biology, 2019, 15, e1006534.	3.2	7
57	Modeling Interventions to Reduce the Spread of Multidrug-Resistant Organisms Between Health Care Facilities in a Region. JAMA Network Open, 2021, 4, e2119212.	5.9	7
58	The patient's perspective on the need for informed consent for minimal risk studies: Development of a survey-based measure. AJOB Empirical Bioethics, 2016, 7, 116-124.	1.6	6
59	Errors in antibiotic transitions between hospital and nursing home: How often do they occur?. Infection Control and Hospital Epidemiology, 2019, 40, 1416-1419.	1.8	6
60	Automated outbreak detection of hospital-associated pathogens: Value to infection prevention programs. Infection Control and Hospital Epidemiology, 2020, 41, 1016-1021.	1.8	6
61	Are nursing homes less likely to admit methicillin-resistant Staphylococcus aureus carriers?. American Journal of Infection Control, 2014, 42, 63-65.	2.3	5
62	Detection of carbapenem resistant enterobacteriace from fomite surfaces. American Journal of Infection Control, 2021, 49, 128-130.	2.3	4
63	Matching in cluster randomized trials using the Goldilocks Approach. Contemporary Clinical Trials Communications, 2021, 22, 100746.	1.1	4
64	Modelling methicillin-resistant Staphylococcus aureus decolonization: interactions between body sites and the impact of site-specific clearance. Journal of the Royal Society Interface, 2022, 19, .	3.4	4
65	Planned Analyses of the REDUCE MRSA Trial. Antimicrobial Agents and Chemotherapy, 2014, 58, 2485-2485.	3.2	3
66	Marked reduction in compliance with central line insertion practices (CLIP) when accounting for missing CLIP data and incomplete line capture. American Journal of Infection Control, 2016, 44, 242-244.	2.3	3
67	Chlorhexidine and Mupirocin for Clearance of Methicillin-Resistant Staphylococcus aureus Colonization After Hospital Discharge: A Secondary Analysis of the Changing Lives by Eradicating Antibiotic Resistance Trial. Clinical Infectious Diseases, 2023, 76, e1208-e1216.	5.8	3
68	Epidemiology and genomics of a slow outbreak of methicillin-resistant Staphyloccus aureus (MRSA) in a neonatal intensive care unit: Successful chronic decolonization of MRSA-positive healthcare personnel. Infection Control and Hospital Epidemiology, 2023, 44, 589-596.	1.8	3
69	839. Effect of Clostridioides difficile (C. difficile) Toxin Test Reporting on Clinical Treatment and Outcomes of Toxin-Negative PCR-Positive Patients at Five California Hospitals. Open Forum Infectious Diseases, 2019, 6, S10-S11.	0.9	2
70	892Cost-Benefit Analysis of Universal Screening and Contact Precautions for Methicillin-resistant Staphylococcus aureus Carriers from the Hospital Perspective. Open Forum Infectious Diseases, 2014, 1, S257-S257.	0.9	1
71	908Use of Claims Data to Identify Cases of Surgical Site Infection Following Colon Surgery Identified Many Unreported Infections in a State-Wide Validation. Open Forum Infectious Diseases, 2014, 1, S262-S262.	0.9	1
72	Impact of a Standardized Central Line Insertion Site Assessment Score on Localized Inflammation and Infection. Open Forum Infectious Diseases, 2016, 3, .	0.9	1

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73	Evaluating Antibiotic Use and Recurrent (Clostridium Difficile Infection) Risk Among Hospitalized Patients With a History of Clostridium Difficile Infection: Opportunities in Stewardship. Open Forum Infectious Diseases, 2016, 3, .	0.9	1
74	When a Home is Not a Home: MultiDrug-Resistant Organism (MDRO) Colonization and Environmental Contamination in 28 Nursing Homes (NHs). Open Forum Infectious Diseases, 2017, 4, S42-S43.	0.9	1
75	894. Universal Decolonization in Nursing Homes: Effect of Chlorhexidine and Nasal Povidoneâ€“Iodine on Prevalence of Multi-Drug-Resistant Organisms (MDROs) in the PROTECT Trial. Open Forum Infectious Diseases, 2019, 6, S24-S24.	0.9	1
76	Hospital Influenza Admissions as a Harbinger for Nursing Home Influenza Cases. Journal of the American Medical Directors Association, 2020, 21, 121-126.	2.5	1
77	Quantifying influenza exposure within California hospitals and nursing homes using administrative data. American Journal of Infection Control, 2020, 48, 831-833.	2.3	1
78	Accounting for quality improvement during the conduct of embedded pragmatic clinical trials within healthcare systems: NIH Collaboratory case studies. Healthcare, 2021, 8, 100432.	1.3	1
79	Combined laparoscopic and open colon surgery rankings fail to accurately rank hospitals by surgical-site infection rate. Infection Control and Hospital Epidemiology, 0, , 1-7.	1.8	1
80	Reply to Moehring et al. Infection Control and Hospital Epidemiology, 2012, 33, 857-858.	1.8	0
81	915Is a hospital's surgical site infection rate among Medicare-insured patients a good indicator of outcome for commercially-insured patients?. Open Forum Infectious Diseases, 2014, 1, S264-S264.	0.9	0
82	942How Do Hospitals Detect Outbreaks?. Open Forum Infectious Diseases, 2014, 1, S274-S274.	0.9	0
83	1450Impact of Body Surface Decolonization on Bacteriuria and Candiduria in a Cluster-Randomized Trial of Intensive Care Units. Open Forum Infectious Diseases, 2014, 1, S382-S382.	0.9	0
84	LB-5Measles Outbreak in a Heavily Vaccinated Community: How Wide Should The Net Be Cast?. Open Forum Infectious Diseases, 2014, 1, S67-S68.	0.9	0
85	Reply to Oâ€™Riordan et al. Infection Control and Hospital Epidemiology, 2015, 36, 857-858.	1.8	0
86	893. The SHIELD Orange County Project: A Decolonization Strategy in 35 Hospitals and Nursing Homes Reduces Multi-Drug-Resistant Organism (MDRO) Prevalence in a Southern California Region. Open Forum Infectious Diseases, 2019, 6, S23-S24.	0.9	0
87	84. Evaluation of the NHSN Standardized Infection Ratio (SIR) Risk Adjustment for HO-CDI in Oncology and ICU Patients in General Acute Care Hospitals. Open Forum Infectious Diseases, 2019, 6, S4-S4.	0.9	0
88	1241. Marked Improvement in Post-Operative Craniotomy Wound Care Using 2% Chlorhexidine (CHG) Cloths for Blood Clots Removal and Hair Cleaning in a Photo-Documentation Survey. Open Forum Infectious Diseases, 2019, 6, S447-S447.	0.9	0
89	Impact of empiric antibiotics for methicillin-resistant Staphylococcus aureus (MRSA) infection and associated Clostridioides difficile infection (CDI) risk: Secondary analysis of the CLEAR trial. Infection Control and Hospital Epidemiology, 2021, 42, 1493-1496.	1.8	0
90	Unintended Consequences of MRSA Infection: Empiric Non-MRSA Antibiotic Use and Resultant Clostridioides difficile Infection. Infection Control and Hospital Epidemiology, 2020, 41, s421-s422.	1.8	0

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91	Post-discharge decolonization of patients harboring methicillin-resistant Staphylococcus aureus (MRSA) USA300 strains: secondary analysis of the CLEAR Trial. Infection Control and Hospital Epidemiology, 2021, , 1-4.	1.8	0