

Jeffrey H Barsuk

List of Publications by Year in descending order

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104
papers

8,113
citations

101543

36
h-index

46799

89
g-index

106
all docs

106
docs citations

106
times ranked

5060
citing authors

#	ARTICLE	IF	CITATIONS
1	Does Simulation-Based Medical Education With Deliberate Practice Yield Better Results Than Traditional Clinical Education? A Meta-Analytic Comparative Review of the Evidence. <i>Academic Medicine</i> , 2011, 86, 706-711.	1.6	1,273
2	Simulation-Based Education Improves Quality of Care During Cardiac Arrest Team Responses at an Academic Teaching Hospital. <i>Chest</i> , 2008, 133, 56-61.	0.8	619
3	Assessing and grading congestion in acute heart failure: a scientific statement from the Acute Heart Failure Committee of the Heart Failure Association of the European Society of Cardiology and endorsed by the European Society of Intensive Care Medicine. <i>European Journal of Heart Failure</i> , 2010, 12, 423-433.	7.1	593
4	Use of Simulation-Based Education to Reduce Catheter-Related Bloodstream Infections. <i>Archives of Internal Medicine</i> , 2009, 169, 1420.	3.8	461
5	Simulation-based mastery learning reduces complications during central venous catheter insertion in a medical intensive care unit *. <i>Critical Care Medicine</i> , 2009, 37, 2697-2701.	0.9	445
6	A critical review of simulation-based mastery learning with translational outcomes. <i>Medical Education</i> , 2014, 48, 375-385.	2.1	430
7	Use of simulation-based mastery learning to improve the quality of central venous catheter placement in a medical intensive care unit. <i>Journal of Hospital Medicine</i> , 2009, 4, 397-403.	1.4	349
8	Cost Savings From Reduced Catheter-Related Bloodstream Infection After Simulation-Based Education for Residents in a Medical Intensive Care Unit. <i>Simulation in Healthcare</i> , 2010, 5, 98-102.	1.2	311
9	Simulation-based mastery learning reduces complications during central venous catheter insertion in a medical intensive care unit. <i>Critical Care Medicine</i> , 2009, 37, 2697-701.	0.9	285
10	Simulation-based mastery learning reduces complications during central venous catheter insertion in a medical intensive care unit*. <i>Critical Care Medicine</i> , 2009, 37, 2697-2701.	0.9	257
11	Mastery learning of thoracentesis skills by internal medicine residents using simulation technology and deliberate practice. <i>Journal of Hospital Medicine</i> , 2008, 3, 48-54.	1.4	246
12	Simulation-based education with mastery learning improves residents' lumbar puncture skills. <i>Neurology</i> , 2012, 79, 132-137.	1.1	211
13	Long-Term Retention of Central Venous Catheter Insertion Skills After Simulation-Based Mastery Learning. <i>Academic Medicine</i> , 2010, 85, S9-S12.	1.6	188
14	Making July Safer. <i>Academic Medicine</i> , 2013, 88, 233-239.	1.6	152
15	Medical Education Featuring Mastery Learning With Deliberate Practice Can Lead to Better Health for Individuals and Populations. <i>Academic Medicine</i> , 2011, 86, e8-e9.	1.6	150
16	Dissemination of a simulation-based mastery learning intervention reduces central line-associated bloodstream infections. <i>BMJ Quality and Safety</i> , 2014, 23, 749-756.	3.7	149
17	Mastery Learning of Temporary Hemodialysis Catheter Insertion by Nephrology Fellows Using Simulation Technology and Deliberate Practice. <i>American Journal of Kidney Diseases</i> , 2009, 54, 70-76.	1.9	133
18	Simulation-Based Education with Mastery Learning Improves Paracentesis Skills. <i>Journal of Graduate Medical Education</i> , 2012, 4, 23-27.	1.3	121

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19	Thoracentesis outcomes: a 12-year experience. <i>Thorax</i> , 2015, 70, 127-132.	5.6	118
20	Residents' Procedural Experience Does Not Ensure Competence: A Research Synthesis. <i>Journal of Graduate Medical Education</i> , 2017, 9, 201-208.	1.3	92
21	Simulation-Based Mastery Learning for Thoracentesis Skills Improves Patient Outcomes: A Randomized Trial. <i>Academic Medicine</i> , 2018, 93, 729-735.	1.6	91
22	Complications of thoracentesis. <i>Current Opinion in Pulmonary Medicine</i> , 2016, 22, 378-385.	2.6	84
23	Translational Educational Research. <i>Chest</i> , 2012, 142, 1097-1103.	0.8	77
24	Clinical Outcomes after Bedside and Interventional Radiology Paracentesis Procedures. <i>American Journal of Medicine</i> , 2013, 126, 349-356.	1.5	77
25	Clinical Performance and Skill Retention after Simulation-based Education for Nephrology Fellows. <i>Seminars in Dialysis</i> , 2012, 25, 470-473.	1.3	72
26	Attending Physician Adherence to a 29-Component Central Venous Catheter Bundle Checklist During Simulated Procedures*. <i>Critical Care Medicine</i> , 2016, 44, 1871-1881.	0.9	59
27	Simulation-Based Mastery Learning Improves Central Line Maintenance Skills of ICU Nurses. <i>Journal of Nursing Administration</i> , 2015, 45, 511-517.	1.4	57
28	Unexpected Collateral Effects of Simulation-Based Medical Education. <i>Academic Medicine</i> , 2011, 86, 1513-1517.	1.6	54
29	Developing a Simulation-Based Mastery Learning Curriculum. <i>Simulation in Healthcare</i> , 2016, 11, 52-59.	1.2	49
30	Cost Savings of Performing Paracentesis Procedures at the Bedside After Simulation-based Education. <i>Simulation in Healthcare</i> , 2014, 9, 312-318.	1.2	48
31	Progress Toward Improving Medical School Graduates'™ Skills via a "Boot Camp" Curriculum. <i>Simulation in Healthcare</i> , 2014, 9, 33-39.	1.2	47
32	Temporary hemodialysis catheters: recent advances. <i>Kidney International</i> , 2014, 86, 888-895.	5.2	47
33	Single-stage laparoscopic management of choledocholithiasis: An analysis after implementation of a mastery learning resident curriculum. <i>Surgery</i> , 2018, 163, 503-508.	1.9	42
34	Progress Toward Improving the Quality of Cardiac Arrest Medical Team Responses at an Academic Teaching Hospital. <i>Journal of Graduate Medical Education</i> , 2011, 3, 211-216.	1.3	41
35	Mastery Learning With Deliberate Practice in Medical Education. <i>Academic Medicine</i> , 2015, 90, 1575.	1.6	40
36	Performance of Temporary Hemodialysis Catheter Insertion by Nephrology Fellows and Attending Nephrologists. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1767-1772.	4.5	40

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37	Do Baseline Data Influence Standard Setting for a Clinical Skills Examination?. <i>Academic Medicine</i> , 2007, 82, S105-S108.	1.6	36
38	A Comparison of Approaches for Mastery Learning Standard Setting. <i>Academic Medicine</i> , 2018, 93, 1079-1084.	1.6	35
39	Development of a Simulation-Based Mastery Learning Curriculum for Breaking Bad News. <i>Journal of Pain and Symptom Management</i> , 2019, 57, 682-687.	1.2	35
40	Use of 3D Printing for Medical Education Models in Transplantation Medicine: a Critical Review. <i>Current Transplantation Reports</i> , 2016, 3, 109-119.	2.0	34
41	Recommendations for Reporting Mastery Education Research in Medicine (ReMERM). <i>Academic Medicine</i> , 2015, 90, 1509-1514.	1.6	30
42	Raising the Bar: Reassessing Standards for Procedural Competence. <i>Teaching and Learning in Medicine</i> , 2013, 25, 6-9.	2.1	28
43	Dissemination of an Innovative Mastery Learning Curriculum Grounded in Implementation Science Principles. <i>Academic Medicine</i> , 2015, 90, 1487-1494.	1.6	26
44	The effect of simulation-based mastery learning on thoracentesis referral patterns. <i>Journal of Hospital Medicine</i> , 2016, 11, 792-795.	1.4	23
45	Difficult intravenous access in the emergency department: Performance and impact of ultrasound-guided IV insertion performed by nurses. <i>American Journal of Emergency Medicine</i> , 2021, 46, 539-544.	1.6	22
46	A Diuretic Protocol Increases Volume Removal and Reduces Readmissions Among Hospitalized Patients With Acute Decompensated Heart Failure. <i>Congestive Heart Failure</i> , 2013, 19, 53-60.	2.0	21
47	Simulation-Based Mastery Learning Improves Patient and Caregiver Ventricular Assist Device Self-Care Skills. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005794.	2.2	21
48	Use of a National Continuing Medical Education Meeting to Provide Simulation-Based Training in Temporary Hemodialysis Catheter Insertion Skills: A Pre-Test Post-Test Study. <i>Canadian Journal of Kidney Health and Disease</i> , 2014, 1, 25.	1.1	20
49	Specialties performing paracentesis procedures at university hospitals: Implications for training and certification. <i>Journal of Hospital Medicine</i> , 2014, 9, 162-168.	1.4	19
50	Achieving Procedural Competence during Nephrology Fellowship Training: Current Requirements and Educational Research. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 2244-2249.	4.5	15
51	Impact of Simulation-based Mastery Learning on Resident Skill Managing Mechanical Ventilators. <i>ATS Scholar</i> , 2021, 2, 34-48.	1.3	15
52	Simulation-Based Mastery Learning Improves Ultrasound-Guided Peripheral Intravenous Catheter Insertion Skills of Practicing Nurses. <i>Simulation in Healthcare</i> , 2022, 17, 7-14.	1.2	13
53	Procedural training at a crossroads: Striking a balance between education, patient safety, and quality. <i>Journal of Hospital Medicine</i> , 2007, 2, 123-125.	1.4	12
54	Use of a simulation-based mastery learning curriculum to improve ultrasound-guided vascular access skills of pediatric anesthesiologists. <i>Paediatric Anaesthesia</i> , 2020, 30, 1204-1210.	1.1	12

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55	Safe and Effective Bedside Thoracentesis: A Review of the Evidence for Practicing Clinicians. <i>Journal of Hospital Medicine</i> , 2017, 12, 266-276.	1.4	12
56	The promise and challenge of mastery learning. <i>Advances in Medical Education and Practice</i> , 2017, Volume 8, 393-394.	1.5	11
57	Use of a simulation-based mastery learning curriculum for neurology residents to improve the identification and management of status epilepticus. <i>Epilepsy and Behavior</i> , 2020, 111, 107247.	1.7	11
58	Ultrasound-Guided Peripheral Intravenous Catheter Insertion Training Reduces Use of Midline Catheters in Hospitalized Patients With Difficult Intravenous Access. <i>Journal of Patient Safety</i> , 2022, 18, e697-e703.	1.7	11
59	Factors Associated with Inpatient Thoracentesis Procedure Quality at University Hospitals. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2016, 42, 34-AP2.	0.7	10
60	Simulation-Based Assessments and Graduating Neurology Residents' Milestones: Status Epilepticus Milestones. <i>Journal of Graduate Medical Education</i> , 2021, 13, 223-230.	1.3	9
61	Clinical and demographic factors associated with pediatric difficult intravenous access in the operating room. <i>Paediatric Anaesthesia</i> , 2022, 32, 792-800.	1.1	9
62	The Effect of Judge Selection on Standard Setting Using the Mastery Angoff Method during Development of a Ventricular Assist Device Self-Care Curriculum. <i>Clinical Simulation in Nursing</i> , 2019, 27, 39-47.e4.	3.0	8
63	Preliminary Efficacy of a Brief Mindfulness Intervention for Procedural Stress in Medical Intern Simulated Performance: A Randomized Controlled Pilot Trial. <i>Journal of Alternative and Complementary Medicine</i> , 2020, 26, 282-290.	2.1	8
64	Barriers and Facilitators to Central Venous Catheter Insertion: A Qualitative Study. <i>Journal of Patient Safety</i> , 2021, 17, e1296-e1306.	1.7	7
65	Ventricular Assist Device Driveline Dressing-Change Protocols: A Need for Standardization. A Report from the SimVAD Investigators. <i>Journal of Cardiac Failure</i> , 2019, 25, 695-697.	1.7	7
66	Improving cardiology fellow education of right heart catheterization using a simulation based curriculum. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 503-508.	1.7	6
67	Mortality, critical illness, and mechanical ventilation among hospitalized patients with COVID-19 on therapeutic anticoagulants. <i>Thrombosis Update</i> , 2021, 2, 100027.	0.9	6
68	Psychometric Validation of Central Venous Catheter Insertion Mastery Learning Checklist Data and Decisions. <i>Simulation in Healthcare</i> , 2021, 16, 378-385.	1.2	6
69	Patient, Caregiver, and Clinician Perceptions of Ventricular Assist Device Self-care Education Inform the Development of a Simulation-based Mastery Learning Curriculum. <i>Journal of Cardiovascular Nursing</i> , 2020, 35, 54-65.	1.1	5
70	Performance of peripheral catheters inserted with ultrasound guidance versus landmark technique after a simulation-based mastery learning intervention. <i>Journal of Vascular Access</i> , 2023, 24, 630-638.	0.9	5
71	Process Changes to Increase Compliance With the Universal Protocol for Bedside Procedures. <i>Archives of Internal Medicine</i> , 2011, 171, 941.	3.8	4
72	Effect of Trainee Performance Data on Standard-Setting Judgments Using the Mastery Angoff Method. <i>Journal of Graduate Medical Education</i> , 2018, 10, 301-305.	1.3	4

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73	Emergency cricothyrotomy during the COVID-19 pandemic: how to suppress aerosolization. <i>Trauma Surgery and Acute Care Open</i> , 2020, 5, e000542.	1.6	4
74	Translational Science and Healthcare Quality and Safety Improvement from Mastery Learning. <i>Comprehensive Healthcare Simulation</i> , 2020, , 289-307.	0.2	4
75	Are we providing patient-centered care? Preferences about paracentesis and thoracentesis procedures. <i>Patient Experience Journal</i> , 2014, 1, 94-103.	0.7	4
76	Simulation-based training improves polypectomy skills among practicing endoscopists. <i>Endoscopy International Open</i> , 2021, 09, E1633-E1639.	1.8	4
77	An institution-wide approach to submission, review, and funding of simulation-based curricula. <i>Advances in Simulation</i> , 2017, 2, 9.	2.3	3
78	Effect of Ventricular Assist Device Self-care Simulation-Based Mastery Learning on Driveline Exit Site Infections. <i>Journal of Cardiovascular Nursing</i> , 2022, 37, 289-295.	1.1	3
79	Clinical Education: Origins and Outcomes. <i>Comprehensive Healthcare Simulation</i> , 2020, , 3-24.	0.2	3
80	Vascular Ultrasonography: A Novel Method to Reduce Paracentesis Related Major Bleeding. <i>Journal of Hospital Medicine</i> , 2018, 13, 30-33.	1.4	3
81	Effectiveness of a simulation-based mastery learning to train clinicians on a novel cricothyrotomy procedure at an academic medical centre during a pandemic: a quasi-experimental cohort study. <i>BMJ Open</i> , 2021, 11, e054746.	1.9	3
82	Telling the whole story about simulation-based education. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017, 96, 1273-1273.	2.8	2
83	Development and evaluation of a simulation-based mastery learning maintenance of certification course. <i>Gerontology and Geriatrics Education</i> , 2022, 43, 397-406.	0.8	2
84	Exertional hypoxia in patients without resting hypoxia is an early predictor of moderate to severe COVID-19. <i>Internal and Emergency Medicine</i> , 2021, 16, 2097-2103.	2.0	2
85	Short-Term Retention of Patient and Caregiver Ventricular Assist Device Self-Care Skills After Simulation-Based Mastery Learning. <i>Clinical Simulation in Nursing</i> , 2021, 53, 1-9.	3.0	2
86	Mastery Learning of Bedside Procedural Skills. <i>Comprehensive Healthcare Simulation</i> , 2020, , 225-257.	0.2	2
87	“Making a list and checking it twice”. <i>Journal of Hospital Medicine</i> , 2011, 6, 233-237.	1.4	1
88	Rational Medical Testing. <i>Hospital Medicine Clinics</i> , 2012, 1, e416-e426.	0.2	1
89	Appropriate diuretic dosing: Closed loop communication. <i>Journal of Hospital Medicine</i> , 2012, 7, 167-169.	1.4	1
90	Board 420 - Research Abstract Effect of Simulation-Based Mastery Learning on Thoracentesis Procedural Skills and Clinical Outcomes (Submission #222). <i>Simulation in Healthcare</i> , 2013, 8, 591.	1.2	1

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91	Why Medical Educators Should Continue to Focus on Clinical Outcomes. <i>Academic Medicine</i> , 2013, 88, 1403.	1.6	1
92	Standard Setting for Mastery Learning. <i>Comprehensive Healthcare Simulation</i> , 2020, , 109-122.	0.2	1
93	Mastery Learning: Opportunities and Challenges. <i>Comprehensive Healthcare Simulation</i> , 2020, , 375-389.	0.2	1
94	Return on Investment from Simulation-Based Mastery Learning. <i>Comprehensive Healthcare Simulation</i> , 2020, , 351-362.	0.2	1
95	Preclinical credentialing of internal medicine residents for central line placement. <i>Critical Care Medicine</i> , 2010, 38, 1018.	0.9	0
96	Procedures Performed by the Hospitalist and Non-hospitalist. <i>Journal of General Internal Medicine</i> , 2010, 25, 896-896.	2.6	0
97	A Missed Opportunity to Achieve Excellence in Residency Education. <i>Academic Medicine</i> , 2015, 90, 1181.	1.6	0
98	In Reply to Udani et al. <i>Academic Medicine</i> , 2016, 91, 752-753.	1.6	0
99	In Reply to Kendall and Castro-Alves. <i>Academic Medicine</i> , 2018, 93, 1420-1421.	1.6	0
100	Building Partnerships to Improve Learning From Health Care Simulation. <i>Academic Medicine</i> , 2018, 93, 672-673.	1.6	0
101	Mastery Learning in Critical Care. <i>ATS Scholar</i> , 2021, 2, 142-143.	1.3	0
102	Ethical imperative of psychological safety in healthcare: in response to the Manifesto for healthcare simulation practice. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2021, 7, bmjstel-2021-000889.	0.7	0
103	Developing a Mastery Learning Curriculum. <i>Comprehensive Healthcare Simulation</i> , 2020, , 47-69.	0.2	0
104	Implementing and Managing a Mastery Learning Program. <i>Comprehensive Healthcare Simulation</i> , 2020, , 123-137.	0.2	0