

# Diane B Wayne

## List of Publications by Year in descending order

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Version: 2024-02-01

119  
papers

8,949  
citations

76326

40  
h-index

40979

93  
g-index

120  
all docs

120  
docs citations

120  
times ranked

5145  
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	Use of Simulation-Based Education to Reduce Catheter-Related Bloodstream Infections. <i>Archives of Internal Medicine</i> , 2009, 169, 1420.	3.8	461
4	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
5	A critical review of simulation-based mastery learning with translational outcomes. <i>Medical Education</i> , 2014, 48, 375-385.	2.1	430
6	Mastery learning of advanced cardiac life support skills by internal medicine residents using simulation technology and deliberate practice. <i>Journal of General Internal Medicine</i> , 2006, 21, 251-256.	2.6	351
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 Training of Internal Medicine Residents in Advanced Cardiac Life Support Protocols: A Randomized Trial. <i>Teaching and Learning in Medicine</i> , 2005, 17, 202-208.	2.1	257
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	A Longitudinal Study of Internal Medicine Residents??? Retention of Advanced Cardiac Life Support Skills. <i>Academic Medicine</i> , 2006, 81, S9-S12.	1.6	205
14	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
15	Are United States Medical Licensing Exam Step 1 and 2 Scores Valid Measures for Postgraduate Medical Residency Selection Decisions?. <i>Academic Medicine</i> , 2011, 86, 48-52.	1.6	174
16	Making July Safer. <i>Academic Medicine</i> , 2013, 88, 233-239.	1.6	152
17	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
18	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

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19	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
20	Simulation-Based Education with Mastery Learning Improves Paracentesis Skills. <i>Journal of Graduate Medical Education</i> , 2012, 4, 23-27.	1.3	121
21	Simulation-based Mastery Learning Improves Cardiac Auscultation Skills in Medical Students. <i>Journal of General Internal Medicine</i> , 2010, 25, 780-785.	2.6	113
22	Use of simulation-based education to improve resident learning and patient care in the medical intensive care unit: A randomized trial. <i>Journal of Critical Care</i> , 2012, 27, 219.e7-219.e13.	2.2	97
23	Structured Interdisciplinary Rounds in a Medical Teaching Unit. <i>Archives of Internal Medicine</i> , 2011, 171, 678-84.	3.8	96
24	Residents' Procedural Experience Does Not Ensure Competence: A Research Synthesis. <i>Journal of Graduate Medical Education</i> , 2017, 9, 201-208.	1.3	92
25	Simulation-Based Mastery Learning for Thoracentesis Skills Improves Patient Outcomes: A Randomized Trial. <i>Academic Medicine</i> , 2018, 93, 729-735.	1.6	91
26	Improving Residents' Code Status Discussion Skills: A Randomized Trial. <i>Journal of Palliative Medicine</i> , 2012, 15, 768-774.	1.1	88
27	Simulation Training for Forceps-Assisted Vaginal Delivery and Rates of Maternal Perineal Trauma. <i>Obstetrics and Gynecology</i> , 2016, 128, 429-435.	2.4	80
28	Translational Educational Research. <i>Chest</i> , 2012, 142, 1097-1103.	0.8	77
29	Clinical Outcomes after Bedside and Interventional Radiology Paracentesis Procedures. <i>American Journal of Medicine</i> , 2013, 126, 349-356.	1.5	77
30	Medical education in the time of COVID-19. <i>Science Advances</i> , 2020, 6, eabc7110.	10.3	71
31	Graduating internal medicine residents' self-assessment and performance of advanced cardiac life support skills. <i>Medical Teacher</i> , 2006, 28, 365-369.	1.8	70
32	Comparison of Two Standard-setting Methods for Advanced Cardiac Life Support Training. <i>Academic Medicine</i> , 2005, 80, S63-S66.	1.6	67
33	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
34	First-Year Residents Outperform Third-Year Residents After Simulation-Based Education in Critical Care Medicine. <i>Simulation in Healthcare</i> , 2013, 8, 67-71.	1.2	58
35	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
36	Unexpected Collateral Effects of Simulation-Based Medical Education. <i>Academic Medicine</i> , 2011, 86, 1513-1517.	1.6	54

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37	Retention of Critical Care Skills After Simulation-Based Mastery Learning. <i>Journal of Graduate Medical Education</i> , 2013, 5, 458-463.	1.3	50
38	Developing a Simulation-Based Mastery Learning Curriculum. <i>Simulation in Healthcare</i> , 2016, 11, 52-59.	1.2	49
39	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
40	Progress Toward Improving Medical School Graduates'™ Skills via a "Boot Camp" Curriculum. <i>Simulation in Healthcare</i> , 2014, 9, 33-39.	1.2	47
41	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
42	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
43	Do Baseline Data Influence Standard Setting for a Clinical Skills Examination?. <i>Academic Medicine</i> , 2007, 82, S105-S108.	1.6	36
44	Evaluation of a Mastery Learning Intervention on Hospitalists' Code Status Discussion Skills. <i>Journal of Pain and Symptom Management</i> , 2017, 53, 1066-1070.	1.2	35
45	A Comparison of Approaches for Mastery Learning Standard Setting. <i>Academic Medicine</i> , 2018, 93, 1079-1084.	1.6	35
46	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
47	Unpacking Resident-Led Code Status Discussions: Results from a Mixed Methods Study. <i>Journal of General Internal Medicine</i> , 2014, 29, 750-757.	2.6	34
48	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
49	Code Status Discussion Skill Retention in Internal Medicine Residents: One-Year Follow-Up. <i>Journal of Palliative Medicine</i> , 2012, 15, 1325-1328.	1.1	33
50	Four-Year Educational and Patient Care Outcomes of a Team-Based Primary Care Longitudinal Clerkship. <i>Academic Medicine</i> , 2015, 90, S43-S49.	1.6	32
51	The Impact of Judge Selection on Standard Setting for a Patient Survey of Physician Communication Skills. <i>Academic Medicine</i> , 2008, 83, S17-S20.	1.6	30
52	Recommendations for Reporting Mastery Education Research in Medicine (ReMERM). <i>Academic Medicine</i> , 2015, 90, 1509-1514.	1.6	30
53	Use of simulation-based medical education to improve patient care quality. <i>Resuscitation</i> , 2010, 81, 1455-1456.	3.0	29
54	Implementation of Unit-Based Interventions to Improve Teamwork and Patient Safety on a Medical Service. <i>American Journal of Medical Quality</i> , 2015, 30, 409-416.	0.5	29

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55	Raising the Bar: Reassessing Standards for Procedural Competence. <i>Teaching and Learning in Medicine</i> , 2013, 25, 6-9.	2.1	28
56	Targeting clinical outcomes: Endovascular simulation improves diagnostic coronary angiography skills. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 383-388.	1.7	28
57	Bat-Associated Leptospirosis. <i>Journal of General Internal Medicine</i> , 2010, 25, 162-164.	2.6	25
58	The Patient Centered Medical Home as Curricular Model: Perceived Impact of the "Education-Centered Medical Home". <i>Journal of General Internal Medicine</i> , 2013, 28, 1105-1109.	2.6	25
59	Documentation Quality of Inpatient Code Status Discussions. <i>Journal of Pain and Symptom Management</i> , 2014, 48, 632-638.	1.2	24
60	The effect of simulation-based mastery learning on thoracentesis referral patterns. <i>Journal of Hospital Medicine</i> , 2016, 11, 792-795.	1.4	23
61	Evaluating and enhancing a women's health curriculum in an internal medicine residency program. <i>Journal of General Internal Medicine</i> , 2004, 19, 754-759.	2.6	21
62	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
63	Setting Defensible Standards for Cardiac Auscultation Skills in Medical Students. <i>Academic Medicine</i> , 2009, 84, S94-S96.	1.6	20
64	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
65	Promoting Readiness for Residency: Embedding Simulation-Based Mastery Learning for Breaking Bad News Into the Medicine Subinternship. <i>Academic Medicine</i> , 2020, 95, 1050-1056.	1.6	20
66	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
67	Simulation-based education leads to decreased use of fluoroscopy in diagnostic coronary angiography. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 1054-1059.	1.7	19
68	Teaching Medical Students About Conflicts of Interest. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1733.	7.4	17
69	A Mastery Learning Capstone Course to Teach and Assess Components of Three Entrustable Professional Activities to Graduating Medical Students. <i>Teaching and Learning in Medicine</i> , 2019, 31, 186-194.	2.1	15
70	Impact of Simulation-based Mastery Learning on Resident Skill Managing Mechanical Ventilators. <i>ATS Scholar</i> , 2021, 2, 34-48.	1.3	15
71	Resident Duty Hours and the Delicate Balance Between Education and Patient Care. <i>Journal of General Internal Medicine</i> , 2008, 23, 1120-1121.	2.6	13
72	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

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73	Developing an Ethics Curriculum for an Internal Medicine Residency Program: Use of a Needs Assessment. <i>Teaching and Learning in Medicine</i> , 2004, 16, 197-201.	2.1	11
74	Use of a Simulation-Based Capstone Course to Teach and Assess Entrustable Professional Activities to Graduating Medical Students. <i>Medical Science Educator</i> , 2016, 26, 453-456.	1.5	11
75	The promise and challenge of mastery learning. <i>Advances in Medical Education and Practice</i> , 2017, Volume 8, 393-394.	1.5	11
76	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
77	Internal Medicine Residency Graduates' Perceptions of the Systems-Based Practice and Practice-Based Learning and Improvement Competencies. <i>Teaching and Learning in Medicine</i> , 2010, 22, 33-36.	2.1	10
78	Internal Medicine Postgraduate Training and Assessment of Patient Handoff Skills. <i>Journal of Graduate Medical Education</i> , 2013, 5, 394-398.	1.3	10
79	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
80	Perceptions of Patient-Centered Care among First-Year Medical Students. <i>Teaching and Learning in Medicine</i> , 2019, 31, 26-33.	2.1	9
81	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
82	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
83	Barriers and Facilitators to Central Venous Catheter Insertion: A Qualitative Study. <i>Journal of Patient Safety</i> , 2021, 17, e1296-e1306.	1.7	7
84	Medical Education 2020—Charting a Path Forward. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 934.	7.4	7
85	Duty Hour Reform and Internal Medicine Residency Training: No Time to Lose. <i>Journal of General Internal Medicine</i> , 2009, 24, 1169-70.	2.6	6
86	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
87	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
88	Counting Quality, Not Hours: Understanding the Impact of Duty Hour Reform on Internal Medicine Residency Education. <i>Journal of General Internal Medicine</i> , 2012, 27, 1400-1401.	2.6	5
89	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
90	Use of a Chief Resident Retreat to Develop Key Leadership Skills. <i>Medical Science Educator</i> , 2017, 27, 173-176.	1.5	4

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91	Translational Science and Healthcare Quality and Safety Improvement from Mastery Learning. <i>Comprehensive Healthcare Simulation</i> , 2020, , 289-307.	0.2	4
92	Simulation-based training improves polypectomy skills among practicing endoscopists. <i>Endoscopy International Open</i> , 2021, 09, E1633-E1639.	1.8	4
93	Leadership in Medical Emergencies Is Not Gender Specific. <i>Simulation in Healthcare</i> , 2012, 7, 134.	1.2	3
94	An institution-wide approach to submission, review, and funding of simulation-based curricula. <i>Advances in Simulation</i> , 2017, 2, 9.	2.3	3
95	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
96	Ambulatory Internal Medicine Education: Use of an Urgent Care Center. <i>Southern Medical Journal</i> , 2003, 96, 876-879.	0.7	3
97	From the Editors' Desk: Renewing the Call for Innovations in Medical Education. <i>Journal of General Internal Medicine</i> , 2010, 25, 887-888.	2.6	2
98	First Do No Harm: Preserving Patient Safety Without Sacrificing Procedural Education. <i>Journal of Graduate Medical Education</i> , 2010, 2, 499-501.	1.3	2
99	Training for Effective Patient Communication. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 1355.	7.4	2
100	Telling the whole story about simulation-based education. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017, 96, 1273-1273.	2.8	2
101	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
102	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
103	Mastery Learning of Bedside Procedural Skills. <i>Comprehensive Healthcare Simulation</i> , 2020, , 225-257.	0.2	2
104	Clinical Experience Is Not a Proxy for Competence: Comparing Fellow and Medical Student Performance in a Breaking Bad News Simulation-Based Mastery Learning Curriculum. <i>American Journal of Hospice and Palliative Medicine</i> , 2023, 40, 423-430.	1.4	2
105	Navigating the JGIM Special Issue on Medical Education. <i>Journal of General Internal Medicine</i> , 2008, 23, 899-902.	2.6	1
106	Improving the Efficiency of Advanced Life Support Training. <i>Annals of Internal Medicine</i> , 2012, 157, 753.	3.9	1
107	Why Medical Educators Should Continue to Focus on Clinical Outcomes. <i>Academic Medicine</i> , 2013, 88, 1403.	1.6	1
108	Impact of Cardiac Physical Examination Faculty Development on Medical Student Performance: A Randomized Trial. <i>Medical Science Educator</i> , 2014, 24, 165-172.	1.5	1

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109	Standard Setting for Mastery Learning. <i>Comprehensive Healthcare Simulation</i> , 2020, , 109-122.	0.2	1
110	Mastery Learning: Opportunities and Challenges. <i>Comprehensive Healthcare Simulation</i> , 2020, , 375-389.	0.2	1
111	Practical and Effective Strategies to Promote Scholarly Activity by Residents. <i>Journal of General Internal Medicine</i> , 2009, 24, 435-436.	2.6	0
112	Preclinical credentialing of internal medicine residents for central line placement. <i>Critical Care Medicine</i> , 2010, 38, 1018.	0.9	0
113	Procedures Performed by the Hospitalist and Non-hospitalist. <i>Journal of General Internal Medicine</i> , 2010, 25, 896-896.	2.6	0
114	Reply to Letter: Use of simulation-based medical education to improve patient care quality. <i>Resuscitation</i> , 2011, 82, 782-783.	3.0	0
115	A Missed Opportunity to Achieve Excellence in Residency Education. <i>Academic Medicine</i> , 2015, 90, 1181.	1.6	0
116	A mastery learning approach to education about fall risk and gait assessment. <i>Gerontology and Geriatrics Education</i> , 2019, , 1-8.	0.8	0
117	Letter to the Editor in Response to: Early Skill Decay After Paracentesis Training. <i>Journal of General Internal Medicine</i> , 2021, 36, 1794-1794.	2.6	0
118	From Passive Gatekeeper to Quarterback: Evolving Perceptions of Primary Care Among Medical Students in Longitudinal Outpatient Clerkships. <i>Journal of General Internal Medicine</i> , 2021, , 1.	2.6	0
119	Implementing and Managing a Mastery Learning Program. <i>Comprehensive Healthcare Simulation</i> , 2020, , 123-137.	0.2	0