Martin V Pusic

List of Publications by Year
in descending order

97 papers	2,962 citations	218677 26 h-index	189892 50 g-index
98 all docs	98 docs citations	98 times ranked	2713 citing authors

#	Article	IF	Citations
1	Reporting guidelines for health care simulation research: extensions to the CONSORT and STROBE statements. Advances in Simulation, 2016, 1, 25.	2.3	233
2	Fostering the Development of Master Adaptive Learners: A Conceptual Model to Guide Skill Acquisition in Medical Education. Academic Medicine, 2017, 92, 70-75.	1.6	218
3	Designing and Conducting Simulation-Based Research. Pediatrics, 2014, 133, 1091-1101.	2.1	175
4	Technology-Enhanced Simulation and Pediatric Education: A Meta-analysis. Pediatrics, 2014, 133, e1313-e1323.	2.1	149
5	Developing the role of big data and analytics in health professional education. Medical Teacher, 2014, 36, 216-222.	1.8	140
6	Natural Progression of Symptom Change and Recovery From Concussion in a Pediatric Population. JAMA Pediatrics, 2019, 173, e183820.	6.2	130
7	Learning Curves in Health Professions Education. Academic Medicine, 2015, 90, 1034-1042.	1.6	124
8	A Randomized Trial of Simulation-Based Deliberate Practice for Infant Lumbar Puncture Skills. Simulation in Healthcare, 2011, 6, 197-203.	1.2	120
9	Twelve tips for rapidly migrating to online learning during the COVID-19 pandemic. MedEdPublish, 0, 9, 82.	0.3	114
10	How Much Practice Is Enough? Using Learning Curves to Assess the Deliberate Practice of Radiograph Interpretation. Academic Medicine, 2011, 86, 731-736.	1.6	102
11	Impact of Just-in-Time and Just-in-Place Simulation on Intern Success With Infant Lumbar Puncture. Pediatrics, 2015, 135, e1237-e1246.	2.1	79
12	Experience Curves as an Organizing Framework for Deliberate Practice in Emergency Medicine Learning. Academic Emergency Medicine, 2012, 19, 1476-1480.	1.8	78
13	Learning Analytics in Medical Education Assessment: The Past, the Present, and the Future. AEM Education and Training, 2018, 2, 178-187.	1.2	70
14	Accuracy of Physicians' Electrocardiogram Interpretations. JAMA Internal Medicine, 2020, 180, 1461.	5.1	66
15	Utilising the Delphi Process to Develop a Proficiency-based Progression Train-the-trainer Course for Robotic Surgery Training. European Urology, 2019, 75, 775-785.	1.9	62
16	Interns' Success With Clinical Procedures in Infants After Simulation Training. Pediatrics, 2013, 131, e811-e811.	2.1	59
17	Can Covid Catalyze an Educational Transformation? Competency-Based Advancement in a Crisis. New England Journal of Medicine, 2020, 383, 1003-1005.	27.0	58
18	The cognitive impact of interactive design features for learning complex materials in medical education. Computers and Education, 2014, 71, 198-205.	8.3	53

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19	Exploring the characteristics and context that allow Master Adaptive Learners to thrive. Medical Teacher, 2018, 40, 791-796.	1.8	53
20	Conducting multicenter research in healthcare simulation: Lessons learned from the INSPIRE network. Advances in Simulation, 2017, 2, 6.	2.3	50
21	Neonatal resuscitation experience curves: simulation based mastery learning booster sessions and skill decay patterns among pediatric residents. Journal of Perinatal Medicine, 2018, 46, 934-941.	1.4	48
22	Prevalence of abnormal cases in an image bank affects the learning of radiograph interpretation. Medical Education, 2012, 46, 289-298.	2.1	42
23	A Big Data and Learning Analytics Approach to Process-Level Feedback in Cognitive Simulations. Academic Medicine, 2017, 92, 175-184.	1.6	38
24	Using signal detection theory to model changes in serial learning of radiological image interpretation. Advances in Health Sciences Education, 2010, 15, 647-658.	3.3	37
25	Seven practical principles for improving patient education: Evidence-based ideas from cognition science. Paediatrics and Child Health, 2014, 19, 119-122.	0.6	37
26	Learning to balance efficiency and innovation for optimal adaptive expertise. Medical Teacher, 2018, 40, 820-827.	1.8	31
27	Data, Big and Small: Emerging Challenges to Medical Education Scholarship. Academic Medicine, 2019, 94, 31-36.	1.6	31
28	How well is each learner learning? Validity investigation of a learning curve-based assessment approach for ECG interpretation. Advances in Health Sciences Education, 2019, 24, 45-63.	3.3	28
29	The Education Data Warehouse: A Transformative Tool for Health Education Research. Journal of Graduate Medical Education, 2012, 4, 113-115.	1.3	24
30	The Variable Journey in Learning to Interpret Pediatric Point‐of‐care Ultrasound Images: A Multicenter Prospective Cohort Study. AEM Education and Training, 2020, 4, 111-122.	1.2	23
31	Linear Versus Web-Style Layout of Computer Tutorials for Medical Student Learning of Radiograph Interpretation. Academic Radiology, 2007, 14, 877-889.	2.5	21
32	A primer on the statistical modelling of learning curves in health professions education. Advances in Health Sciences Education, 2017, 22, 741-759.	3.3	21
33	Are Pediatric Interns Prepared to Perform Infant Lumbar Punctures?. Pediatric Emergency Care, 2013, 29, 453-457.	0.9	20
34	Accuracy of self-monitoring during learning of radiograph interpretation. Medical Education, 2015, 49, 838-846.	2.1	19
35	Reporting guidelines for health care simulation research: Extensions to the CONSORT and STROBE statements. BMJ Simulation and Technology Enhanced Learning, 2016, 2, 51-60.	0.7	19
36	The effect of testing and feedback on the forgetting curves for radiograph interpretation skills. Medical Teacher, 2019, 41, 756-764.	1.8	18

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37	What's your best time? Chronometry in the learning of medical procedures. Medical Education, 2014, 48, 479-488.	2.1	17
38	A simulated â€œNight-onCallâ€•to assess and address the readiness-for-internship of transitioning medical students. Advances in Simulation, 2017, 2, 13.	2.3	17
39	Next Steps in the Implementation of Learning Analytics in Medical Education: Consensus From an International Cohort of Medical Educators. Journal of Graduate Medical Education, 2020, 12, 303-311.	1.3	16
40	Roadmap for creating an accelerated three-year medical education program. Medical Education Online, 2017, 22, 1396172.	2.6	15
41	Click-level Learning Analytics in an Online Medical Education Learning Platform. Teaching and Learning in Medicine, 2020, 32, 410-421.	2.1	15
42	Building Emergency Medicine Trainee Competency in Pediatric Musculoskeletal Radiograph Interpretation: A Multicenter Prospective Cohort Study. AEM Education and Training, 2019, 3, 269-279.	1.2	14
43	Reimagining the Clinical Competency Committee to Enhance Education and Prepare for Competency-Based Time-Variable Advancement. Journal of General Internal Medicine, 2022, 37, 2280-2290.	2.6	14
44	Reporting Guidelines for Health Care Simulation Research. Clinical Simulation in Nursing, 2016, 12, iii-xiii.	3.0	13
45	Interpretation difficulty of normal versus abnormal radiographs using a pediatric example. Canadian Medical Education Journal, 2016, 7, e68-e77.	0.4	13
46	Opportunistic screening for iron-deficiency in 6â€"36 month old children presenting to the paediatric emergency department. BMC Pediatrics, 2005, 5, 42.	1.7	12
47	Script Concordance Testing. Academic Medicine, 2014, 89, 128-135.	1.6	12
48	Clinical management of fever in children younger than three years of age. Paediatrics and Child Health, 2007, 12, 469-472.	0.6	11
49	Signatures of medical student applicants and academic success. PLoS ONE, 2020, 15, e0227108.	2.5	11
50	Teaching X-ray interpretation: selecting the radiographs by the target population. Medical Education, 2009, 43, 434-441.	2.1	10
51	â€œYes, and â€¦â€•Exploring the Future of Learning Analytics in Medical Education. Teaching and Learning in Medicine, 2017, 29, 368-372.	2.1	10
52	Improving the Clinical Skills Performance of Graduating Medical Students Using â€œWISE OnCall,â€•a Multimedia Educational Module. Simulation in Healthcare, 2017, 12, 385-392.	1.2	10
53	The Responsibility of Physicians to Maintain Competency. JAMA - Journal of the American Medical Association, 2020, 323, 117-118.	7.4	10
54	The critical role of infrastructure and organizational culture in implementing competency-based education and individualized pathways in undergraduate medical education. Medical Teacher, 2021, 43, S7-S16.	1.8	10

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55	A hinting strategy for online learning of radiograph interpretation by medical students. Medical Education, 2013, 47, 877-887.	2.1	9
56	Applying the institutional review board data repository approach to manage ethical considerations in evaluating and studying medical education. Medical Education Online, 2016, 21, 32021.	2.6	8
57	Image interpretation: Learning analytics–informed education opportunities. AEM Education and Training, 2021, 5, e10592.	1.2	8
58	Simulation-Based Procedural Skills Training in Pediatric Emergency Medicine. Clinical Pediatric Emergency Medicine, 2016, 17, 169-178.	0.4	7
59	Role of Scientific Theory in Simulation Education Research. Simulation in Healthcare, 2018, 13, S7-S14.	1.2	7
60	Multi-level longitudinal learning curve regression models integrated with item difficulty metrics for deliberate practice of visual diagnosis: groundwork for adaptive learning. Advances in Health Sciences Education, 2021, 26, 881-912.	3.3	7
61	Frameworks for Integrating Learning Analytics With the Electronic Health Record. Journal of Continuing Education in the Health Professions, 2023, 43, 52-59.	1.3	7
62	Workplace–based Assessment Data in Emergency Medicine: A Scoping Review of the Literature. AEM Education and Training, 2021, 5, e10544.	1.2	6
63	Interpretation difficulty of normal versus abnormal radiographs using a pediatric example. Canadian Medical Education Journal, 2016, 7, e68-77.	0.4	6
64	Punctuated Equilibrium: COVID and the Duty to Teach for Adaptive Expertise. Western Journal of Emergency Medicine, 2022, 23, 56-58.	1.1	6
65	Is Speed a Desirable Difficulty for Learning Procedures? An Initial Exploration of the Effects of Chronometric Pressure. Academic Medicine, 2018, 93, 920-928.	1.6	5
66	Validity of the Health Systems Science Examination: Relationship Between Examinee Performance and Time of Training. American Journal of Medical Quality, 2020, 35, 63-69.	0.5	5
67	A think-aloud study to inform the design of radiograph interpretation practice. Advances in Health Sciences Education, 2020, 25, 877-903.	3.3	5
68	Learning Pediatric Point-of-Care Ultrasound. Pediatric Emergency Care, 2022, 38, e849-e855.	0.9	5
69	A Target Population Derived Method for Developing a Competency Standard in Radiograph Interpretation. Teaching and Learning in Medicine, 2022, 34, 167-177.	2.1	5
70	Determining the optimal place and time for procedural education. BMJ Quality and Safety, 2017, 26, 863-865.	3.7	4
71	Assessments of Physicians' Electrocardiogram Interpretation Skill: A Systematic Review. Academic Medicine, 2022, 97, 603-615.	1.6	4
72	Pediatric Musculoskeletal Radiographs: Anatomy and Fractures Prone to Diagnostic Error Among Emergency Physicians. Journal of Emergency Medicine, 2022, 62, 524-533.	0.7	4

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73	Exploring Medical Student Learning Needs in the Pediatric Emergency Department. Pediatric Emergency Care, 2016, 32, 217-221.	0.9	3
74	Sequential dependencies in categorical judgments of radiographic images. Advances in Health Sciences Education, 2017, 22, 197-207.	3.3	3
75	Creation and evaluation of a novel, interdisciplinary debriefing program using a design‐based research approach. AEM Education and Training, 2022, 6, e10719.	1.2	3
76	Statistical points and pitfalls: growth modeling. Perspectives on Medical Education, 2022, 11, 104-107.	3.5	3
77	Removing the rose-coloured glasses: it's high time we published the actual data. Medical Education, 2014, 48, 334-335.	2.1	2
78	Screening residents for infant lumbar puncture readiness with just-in-time simulation-based assessments. BMJ Simulation and Technology Enhanced Learning, 2017, 3, 17-22.	0.7	2
79	Point-of-care ultrasound and undergraduate medical education: the perils of learning a new way to see. Medical Education, 2018, 52, 240-240.	2.1	2
80	Pedagogical validity: The key to understanding different forms of 'good' teaching. Medical Teacher, 2019, 41, 638-640.	1.8	2
81	Social network analysis of publication collaboration of accelerating change in MedEd consortium. Medical Teacher, 2022, 44, 276-286.	1.8	2
82	Educational adaptation to clinical training during the COVID-19 pandemic: a process analysis. BMC Medical Education, 2022, 22, 200.	2.4	2
83	Commentary on 'Drug management for acute tonic‐clonic convulsions including convulsive status epilepticus in children', with a response from the review authors. Evidence-Based Child Health: A Cochrane Review Journal, 2009, 4, 1810-1812.	2.0	1
84	Child Abuse Recognition Training for Prehospital Providers Using Deliberate Practice. Prehospital Emergency Care, 2021, 25, 822-831.	1.8	1
85	Implicit bias in residency interview allocation? When surveys are silent. Medical Education, 2021, 55, 142-144.	2.1	1
86	Interval Estimation of Item Response Probabilities Along Studied Latent Dimensions. Measurement, 2021, 19, 106-114.	0.2	1
87	Learning Analytics to Enhance Dermatopathology Education Among Dermatology Residents. Journal of Drugs in Dermatology, 2019, 18, 1231-1236.	0.8	1
88	Evaluation of Polytomous Item Locations in Multicomponent Measuring Instruments: A Note on a Latent Variable Modeling Procedure. Educational and Psychological Measurement, 2023, 83, 630-641.	2.4	1
89	On showing all the ripples in the growth analysis pond. Medical Education, 2013, 47, 643-645.	2.1	0
90	The influence of cognitive biases on feedback seeking. Medical Education, 2013, 47, 950-950.	2.1	0

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91	Stimulus Sequence Features Influence Physicians' Response Tendencies in Radiological Image Interpretation. Applied Cognitive Psychology, 2013, 27, 625-632.	1.6	0
92	Games Squared: A Card Game to Learn About Using Games in Medical Education. Journal of Graduate Medical Education, 2019, 11, 337-339.	1.3	0
93	Speed and quality goals in procedural skills learning: A randomized experiment. Medical Teacher, 2020, 42, 196-203.	1.8	0
94	Building an adaptable resident curriculum for acute pediatric sexual abuse evaluations: A qualitative needs assessment. Child Abuse and Neglect, 2020, 102, 104386.	2.6	0
95	Prepubescent Female Genital Examination Images: Evidence-Informed Learning Opportunities. Journal of Pediatric and Adolescent Gynecology, 2021, 34, 117-123.	0.7	0
96	Physiciansâ€™ Electrocardiogram Interpretationsâ€"Reply. JAMA Internal Medicine, 2021, 181, 722.	5.1	0
97	Evaluation of Response Probabilities along Studied Latent Dimensions: A Polytomous Item Extension. Measurement, 2021, 19, 179-185.	0.2	0