

Todd P Chang

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,239
citations

361413
20
h-index

254184
43
g-index

110
all docs

110
docs citations

110
times ranked

2274
citing authors

#	ARTICLE	IF	CITATIONS
1	Reporting Guidelines for Health Care Simulation Research. <i>Simulation in Healthcare</i> , 2016, 11, 238-248.	1.2	252
2	Learn, See, Practice, Prove, Do, Maintain. <i>Academic Medicine</i> , 2015, 90, 1025-1033.	1.6	247
3	Reporting guidelines for health care simulation research: extensions to the CONSORT and STROBE statements. <i>Advances in Simulation</i> , 2016, 1, 25.	2.3	233
4	Designing and Conducting Simulation-Based Research. <i>Pediatrics</i> , 2014, 133, 1091-1101.	2.1	175
5	Gamification in Action: Theoretical and Practical Considerations for Medical Educators. <i>Academic Medicine</i> , 2018, 93, 1014-1020.	1.6	157
6	Impact of Just-in-Time and Just-in-Place Simulation on Intern Success With Infant Lumbar Puncture. <i>Pediatrics</i> , 2015, 135, e1237-e1246.	2.1	79
7	Iron Poisoning. <i>Pediatric Emergency Care</i> , 2011, 27, 978-985.	0.9	64
8	Interns' Success With Clinical Procedures in Infants After Simulation Training. <i>Pediatrics</i> , 2013, 131, e811-e811.	2.1	59
9	Screen-Based Simulation and Virtual Reality for Pediatric Emergency Medicine. <i>Clinical Pediatric Emergency Medicine</i> , 2016, 17, 224-230.	0.4	50
10	Conducting multicenter research in healthcare simulation: Lessons learned from the INSPIRE network. <i>Advances in Simulation</i> , 2017, 2, 6.	2.3	50
11	Pediatric Emergency Medicine Asynchronous E-learning: A Multicenter Randomized Controlled Solomon Four-group Study. <i>Academic Emergency Medicine</i> , 2014, 21, 912-919.	1.8	44
12	Qualitative Evaluation of Just-in-Time Simulation-Based Learning. <i>Simulation in Healthcare</i> , 2013, 8, 43-48.	1.2	36
13	The Greater Good: How Supervising Physicians Make Entrustment Decisions in the Pediatric Emergency Department. <i>Academic Pediatrics</i> , 2014, 14, 597-602.	2.0	33
14	The use of virtual reality and augmented reality to enhance cardio-pulmonary resuscitation: a scoping review. <i>Advances in Simulation</i> , 2021, 6, 11.	2.3	30
15	Comparisons of Stress Physiology of Providers in Real-Life Resuscitations and Virtual Reality—Simulated Resuscitations. <i>Simulation in Healthcare</i> , 2019, 14, 104-112.	1.2	29
16	Self-motivated learning with gamification improves infant CPR performance, a randomised controlled trial. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2015, 1, 71-76.	0.7	25
17	Psychosocial Care for Injured Children: Worldwide Survey among Hospital Emergency Department Staff. <i>Journal of Pediatrics</i> , 2016, 170, 227-233.e6.	1.8	25
18	Validity Evidence for a Serious Game to Assess Performance on Critical Pediatric Emergency Medicine Scenarios. <i>Simulation in Healthcare</i> , 2018, 13, 168-180.	1.2	24

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19	Clinical Factors and Incidence of Acute Chest Syndrome or Pneumonia Among Children With Sickle Cell Disease Presenting With a Fever. <i>Pediatric Emergency Care</i> , 2013, 29, 781-786.	0.9	22
20	Self-assessment of team performance using T-NOTECHS in simulated pediatric trauma resuscitation is not consistent with expert assessment. <i>American Journal of Surgery</i> , 2018, 216, 630-635.	1.8	22
21	Impact of simulation-based training on perceived provider confidence in acute multidisciplinary pediatric trauma resuscitation. <i>Pediatric Surgery International</i> , 2018, 34, 1353-1362.	1.4	22
22	Are Pediatric Interns Prepared to Perform Infant Lumbar Punctures?. <i>Pediatric Emergency Care</i> , 2013, 29, 453-457.	0.9	20
23	Are Graduating Pediatric Residents Prepared to Perform Infant Lumbar Punctures?. <i>Pediatric Emergency Care</i> , 2018, 34, 116-120.	0.9	20
24	Traditional nurse triage vs physician telepresence in a pediatric ED. <i>American Journal of Emergency Medicine</i> , 2014, 32, 325-329.	1.6	19
25	Reporting guidelines for health care simulation research: Extensions to the CONSORT and STROBE statements. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2016, 2, 51-60.	0.7	19
26	Comparison of Computerized Patients versus Live Moulaged Actors for a Mass-casualty Drill. <i>Prehospital and Disaster Medicine</i> , 2015, 30, 438-442.	1.3	18
27	Accuracy, Efficiency, and Inappropriate Actions Using JumpSTART Triage in MCI Simulations. <i>Prehospital and Disaster Medicine</i> , 2015, 30, 457-460.	1.3	18
28	Qualitative assessment of simulation-based training for pediatric trauma resuscitation. <i>Surgery</i> , 2017, 161, 1357-1366.	1.9	18
29	Building a Community of Practice for Researchers. <i>Simulation in Healthcare</i> , 2018, 13, S28-S34.	1.2	17
30	Targeting Simulation-Based Assessment for the Pediatric Milestones: A Survey of Simulation Experts and Program Directors. <i>Academic Pediatrics</i> , 2016, 16, 290-297.	2.0	16
31	The Correlation of Workplace Simulation-Based Assessments With Interns' Infant Lumbar Puncture Success. <i>Simulation in Healthcare</i> , 2016, 11, 126-133.	1.2	15
32	Predictors for Bacteremia in Febrile Sickle Cell Disease Children in the Post-7-Valent Pneumococcal Conjugate Vaccine Era. <i>Journal of Pediatric Hematology/Oncology</i> , 2013, 35, 377-382.	0.6	13
33	Reporting Guidelines for Health Care Simulation Research. <i>Clinical Simulation in Nursing</i> , 2016, 12, iii-xiii.	3.0	13
34	Healthcare Provider Stress and Virtual Reality Simulation: A Scoping Review. <i>Simulation in Healthcare</i> , 2021, 16, 268-274.	1.2	13
35	Script Concordance Testing. <i>Academic Medicine</i> , 2014, 89, 128-135.	1.6	12
36	Pediatric Traumatic Brain Injury: The Utility of Beta-Natriuretic Peptide. <i>Journal of Trauma</i> , 2010, 68, 1401-1405.	2.3	11

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37	Perforated Appendicitis and Appendicolith in a Child Presenting as Intussusception. <i>Pediatric Emergency Care</i> , 2011, 27, 635-638.	0.9	11
38	The Effects of Child Life Specialists on Success Rates of Intravenous Cannulation. <i>Journal of Pediatric Nursing</i> , 2017, 36, 236-240.	1.5	11
39	Closing the gap: a call for a common blueprint for remote distance telesimulation. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2021, 7, bmjstel-2021-000875.	0.7	11
40	Development and Considerations for Virtual Reality Simulations for Resuscitation Training and Stress Inoculation. <i>Simulation in Healthcare</i> , 2021, 16, e219-e226.	1.2	11
41	Essentials of PEM Fellowship Part 2: The Profession in Entrustable Professional Activities. <i>Pediatric Emergency Care</i> , 2016, 32, 410-418.	0.9	10
42	Number needed to eat: pizza and resident conference attendance. <i>Medical Education</i> , 2016, 50, 1204-1207.	2.1	9
43	Development of a Pediatric Mass Casualty Triage Algorithm Validation Tool. <i>Prehospital Emergency Care</i> , 2016, 20, 343-353.	1.8	9
44	The effect of an International competitive leaderboard on self-motivated simulation-based CPR practice among healthcare professionals: A randomized control trial. <i>Resuscitation</i> , 2019, 138, 273-281.	3.0	9
45	Pediatric Emergency Department Responses to COVID-19: Transitioning From Surge Preparation to Regional Support. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, 15, e22-e28.	1.3	9
46	Use of Virtual Reality for Pediatric Cardiac Critical Care Simulation. <i>Cureus</i> , 2021, 13, e15856.	0.5	9
47	Qualitative Study Exploring Implementation of a Point-of-Care Competency-Based Lumbar Puncture Program Across Institutions. <i>Academic Pediatrics</i> , 2016, 16, 621-629.	2.0	8
48	Screen-Based Simulation, Virtual Reality, and Haptic Simulators. <i>Comprehensive Healthcare Simulation</i> , 2016, , 105-114.	0.2	8
49	Use of a Novel, Portable, LED-Based Capillary Refill Time Simulator within a Disaster Triage Context. <i>Prehospital and Disaster Medicine</i> , 2017, 32, 451-456.	1.3	8
50	Barriers to Effective Teamwork Relating to Pediatric Resuscitations. <i>Pediatric Emergency Care</i> , 2020, 36, e146-e150.	0.9	8
51	Using a Near Infrared Device to Improve Successful Venous Access in Children with Special Health Care Needs. , 2017, 22, 75-80.		8
52	Leveraging Quick Response Code Technology to Facilitate Simulation-Based Leaderboard Competition. <i>Simulation in Healthcare</i> , 2018, 13, 64-71.	1.2	8
53	Tabletop Application of SALT Triage to 10, 100, and 1000 Pediatric Victims. <i>Prehospital and Disaster Medicine</i> , 2020, 35, 165-169.	1.3	8
54	Overview of Serious Gaming and Virtual Reality. , 2019, , 29-38.		8

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55	The Addition of Anaerobic Blood Cultures for Pediatric Patients with Concerns for Bloodstream Infections: Prevalence and Time to Positive Cultures. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	7
56	Factors influencing termination of resuscitation in children: a qualitative analysis. <i>International Journal of Emergency Medicine</i> , 2020, 13, 12.	1.6	7
57	Development and Performance Assessment of a Digital Serious Game to Assess Multi-Patient Care Skills in a Simulated Pediatric Emergency Department. <i>Simulation and Gaming</i> , 2020, 51, 550-570.	1.9	7
58	Virtual Reality vs. High-Fidelity Mannequin-Based Simulation: A Pilot Randomized Trial Evaluating Learner Performance. <i>Cureus</i> , 2021, 13, e17091.	0.5	7
59	Introducing Teamwork Challenges in Simulation Using Game Cards. <i>Simulation in Healthcare</i> , 2015, 10, 223-226.	1.2	6
60	The implementation of cardiopulmonary resuscitation training using mobile uploads, gamification and direct feedback manikins a study in sixth form student. , 2015, , .		6
61	A Comprehensive Infant Lumbar Puncture Novice Procedural Skills Training Package: An INSPIRE Simulation-Based Procedural Skills Training Package. <i>MedEdPORTAL: the Journal of Teaching and Learning Resources</i> , 0, , .	1.2	6
62	Comparison of extended reality and conventional methods of basic life support training: protocol for a multinational, pragmatic, noninferiority, randomised clinical trial (XR BLS trial). <i>Trials</i> , 2021, 22, 946.	1.6	6
63	A retrospective comparison of ketamine dosing regimens for pediatric procedural sedation. <i>European Journal of Emergency Medicine</i> , 2015, 22, 111-116.	1.1	5
64	Script Concordance Testing to Determine Infant Lumbar Puncture Practice Variation. <i>Pediatric Emergency Care</i> , 2018, 34, 84-92.	0.9	5
65	Physiological Stress Markers Following Resuscitations Remain Elevated Throughout Physician Shift Hours. <i>Academic Emergency Medicine</i> , 2020, 27, 510-513.	1.8	5
66	The Pediatric Emergency Research Network (<scp>PERN</scp>): A decade of global research cooperation in paediatric emergency care. <i>EMA - Emergency Medicine Australasia</i> , 2021, 33, 900-910.	1.1	5
67	Essentials of PEM Fellowship. <i>Pediatric Emergency Care</i> , 2016, 32, 645-647.	0.9	4
68	The effect of multimedia replacing text in resident clinical decision-making assessment. <i>Advances in Health Sciences Education</i> , 2017, 22, 901-914.	3.3	4
69	Recent Advances in Technology and Its Applications to Pediatric Emergency Care. <i>Pediatric Clinics of North America</i> , 2018, 65, 1229-1246.	1.8	4
70	A National Patient Safety Curriculum in Pediatric Emergency Medicine. <i>Pediatric Emergency Care</i> , 2019, 35, 519-521.	0.9	4
71	Caregiver Characteristics Associated With Quality of Cardiac Compressions on an Adult Mannequin With Real-Time Visual Feedback. <i>Simulation in Healthcare</i> , 2020, 15, 82-88.	1.2	4
72	The Effect of Rapid Fluid Infusions on Transabdominal Pelvic Ultrasound Timing Among Female Pediatric Patients: A Randomized Controlled Pilot Trial. <i>Academic Emergency Medicine</i> , 2020, 27, 1191-1193.	1.8	4

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73	Ultrasound-guided placement of peripherally inserted intravenous catheters increase catheter dwell time in children. <i>Journal of Vascular Access</i> , 2021, 22, 189-193.	0.9	4
74	The assessment of a manikin-based low-dose, high-frequency cardiac resuscitation quality improvement program in early UK adopter hospitals. <i>Advances in Simulation</i> , 2021, 6, 14.	2.3	4
75	Augmented Reality in Pediatric Septic Shock Simulation: Randomized Controlled Feasibility Trial. <i>JMIR Medical Education</i> , 2021, 7, e29899.	2.6	4
76	The Pediatric Emergency Research Network. <i>Pediatric Emergency Care</i> , 2021, 37, 389-396.	0.9	4
77	Radiologic discrepancies in children with special healthcare needs in a pediatric emergency department. <i>American Journal of Emergency Medicine</i> , 2018, 36, 1356-1362.	1.6	3
78	Parent Perceptions of a Validated Asthma Questionnaire in the Emergency Department. <i>Academic Pediatrics</i> , 2024, 24, 124-131.	2.0	3
79	Use of a validated asthma questionnaire to increase inhaled corticosteroid prescribing in the pediatric emergency department. <i>Journal of Asthma</i> , 2022, 59, 378-385.	1.7	3
80	Practicing CPR: A Qualitative Analysis of Resident Motivation. <i>Simulation and Gaming</i> , 2020, 51, 524-536.	1.9	3
81	Validation of a Modified Jefferson Scale of Empathy for Observers to Assess Trainees. <i>Academic Pediatrics</i> , 2021, 21, 165-169.	2.0	3
82	The P2Networkâ€”Advancing Pediatric Emergency Care With Point-of-Care Ultrasound. <i>Pediatric Emergency Care</i> , 2022, 38, e1014-e1018.	0.9	3
83	Infant Lumbar Puncture: POISE Pediatric Procedure Video. <i>MedEdPORTAL: the Journal of Teaching and Learning Resources</i> , 0, , .	1.2	3
84	The effects of rudeness, experience, and perspective-taking on challenging premature closure after pediatric ICU physicians receive hand-off with the wrong diagnosis: a randomized controlled simulation trial. <i>Diagnosis</i> , 2021, 8, 358-367.	1.9	3
85	PEMNetwork. <i>Pediatric Emergency Care</i> , 2016, 32, 565-569.	0.9	2
86	Highlighting Instructional Design Features in Reporting Guidelines for Health Care Simulation Research. <i>Simulation in Healthcare</i> , 2016, 11, 363-364.	1.2	2
87	Screening residents for infant lumbar puncture readiness with just-in-time simulation-based assessments. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2017, 3, 17-22.	0.7	2
88	Novel Transfer of Care Sign-out Assessment Tool in a Pediatric Emergency Department. <i>Academic Pediatrics</i> , 2018, 18, 86-93.	2.0	2
89	Attitudes and Opinions of Adolescent Females Regarding 2 Methods of Bladder Filling for Transabdominal Ultrasound. <i>Pediatric Emergency Care</i> , 2018, Publish Ahead of Print, e460-e466.	0.9	2
90	Parent-Centered Perspectives on a Validated Asthma Questionnaire in the Emergency Department. <i>Academic Pediatrics</i> , 2024, 24, 132-138.	2.0	2

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91	Understanding Graduating Pediatric Emergency Medicine Fellow Priorities for Career Pathways and Faculty Recruitment for Academic or Community Emergency Departments. <i>AEM Education and Training</i> , 2021, 5, 12-18.	1.2	2
92	Utilization of just-in-time training for nursing education using the LA Phonspirometry asthma tool. <i>Journal of Asthma</i> , 2018, 55, 811-815.	1.7	1
93	Parental preferences for survey mode of administration, interview versus self-administered, with an asthma management questionnaire. <i>Journal of Asthma</i> , 2021, 58, 665-673.	1.7	1
94	Can Text Messaging Teach Residents? A Randomized Controlled Trial. <i>ATS Scholar</i> , 2020, 1, 278-287.	1.3	1
95	Development of a Mannequin for Simulation-Based Trials Involving Respiratory Viral Spread During Respiratory Arrest and Cardiopulmonary Arrest Scenarios. <i>Cureus</i> , 2021, 13, e20304.	0.5	1
96	Inter-Rater Reliability and Agreement Among Mass-Casualty Incident Algorithms Using a Pediatric Trauma Dataset: A Pilot Study. <i>Prehospital and Disaster Medicine</i> , 2022, 37, 306-313.	1.3	1
97	The Association Between Multitasking and Multi-Patient Care Skills in a Simulated Patient Care Video Game Among Second Year Medical Students Based on Specialty Choice. <i>Simulation and Gaming</i> , 2022, 53, 335-352.	1.9	1
98	Games Squared: A Card Game to Learn About Using Games in Medical Education. <i>Journal of Graduate Medical Education</i> , 2019, 11, 337-339.	1.3	0
99	Saving Lives and Improving the Quality of Pediatric Resuscitation Across the World. <i>Simulation in Healthcare</i> , 2020, 15, 295-297.	1.2	0
100	Inhaled corticosteroid beliefs, complementary and alternative medicine in children presenting to the emergency department for asthma. <i>Journal of Asthma</i> , 2020, 58, 1-8.	1.7	0
101	Simulation for Quality Improvement. <i>Comprehensive Healthcare Simulation</i> , 2021, , 179-185.	0.2	0
102	Pediatric emergency department shift experiences and moods: An exploratory sequential mixedâ€”methods study. <i>AEM Education and Training</i> , 2021, 5, e10572.	1.2	0
103	Research environment and resources to support pediatric emergency medicine fellow research. <i>AEM Education and Training</i> , 2021, 5, e10585.	1.2	0
104	Children with under-diagnosed asthma presenting to a pediatric emergency department. <i>Journal of Asthma</i> , 2021, , 1-7.	1.7	0
105	Comparison of Outcome Tools Used to Test Mass-Casualty Algorithms in the Pediatric Population. <i>Prehospital and Disaster Medicine</i> , 2021, 36, 719-723.	1.3	0
106	Simulation Research. <i>Comprehensive Healthcare Simulation</i> , 2016, , 387-398.	0.2	0
107	Simulation Research Networks. , 2021, , .		0