Dustin T Dunsmuir

List of Publications by Year
in descending order

42 papers	741 citations	567281 15 h-index	610901 24 g-index
46 all docs	46 docs citations	46 times ranked	1061 citing authors

#	ARTICLE	IF	CITATIONS
1	Development of mHealth Applications for Pre-Eclampsia Triage. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1857-1864.	6.3	71
2	Improving the Accuracy and Efficiency of Respiratory Rate Measurements in Children Using Mobile Devices. PLoS ONE, 2014, 9, e99266.	2.5	63
3	Usability and Feasibility of PIERS on the Move: An mHealth App for Pre-Eclampsia Triage. JMIR MHealth and UHealth, 2015, 3, e37.	3.7	61
4	Capturing and supporting the analysis process. , 2009, , .		46
5	A smartphone version of the Faces Pain Scale–Revised and the Color Analog Scale for postoperative pain assessment in children. Paediatric Anaesthesia, 2015, 25, 1264-1273.	1.1	43
6	The PAediatric Risk Assessment (PARA) Mobile App to Reduce Postdischarge Child Mortality: Design, Usability, and Feasibility for Health Care Workers in Uganda. JMIR MHealth and UHealth, 2016, 4, e16.	3.7	36
7	Validity of Simplified Versus Standard Self-Report Measures of Pain Intensity in Preschool-Aged Children Undergoing Venipuncture. Journal of Pain, 2017, 18, 564-573.	1.4	33
8	The Community-Level Interventions for Pre-eclampsia (CLIP) cluster randomised trials in Mozambique, Pakistan, and India: an individual participant-level meta-analysis. Lancet, The, 2020, 396, 553-563.	13.7	28
9	Community level interventions for pre-eclampsia (CLIP) in India: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 21, 166-175.	1.4	28
10	Assessing the Incremental Value of Blood Oxygen Saturation (SpO2) in the miniPIERS (Pre-eclampsia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2015, 37, 16-24.	0.7	27
11	A Knowledge Authoring Tool for Clinical Decision Support. Journal of Clinical Monitoring and Computing, 2008, 22, 189-198.	1.6	26
12	Community-level interventions for pre-eclampsia (CLIP) in Pakistan: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 22, 109-118.	1.4	26
13	Respiratory rate and pulse oximetry derived information as predictors of hospital admission in young children in Bangladesh: a prospective observational study. BMJ Open, 2016, 6, e011094.	1.9	24
14	Community-level interventions for pre-eclampsia (CLIP) in Mozambique: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 21, 96-105.	1.4	23
15	Smart triage: triage and management of sepsis in children using the point-of-care Pediatric Rapid Sepsis Trigger (PRST) tool. BMC Health Services Research, 2020, 20, 493.	2.2	22
16	A Vibro-Tactile Display for Clinical Monitoring. Anesthesia and Analgesia, 2012, 115, 588-594.	2.2	17
17	Experience report. , 2013, , .		16
18	Development and Internal Validation of a Predictive Model Including Pulse Oximetry for Hospitalization of Under-Five Children in Bangladesh. PLoS ONE, 2015, 10, e0143213.	2.5	16

#	Article	IF	Citations
19	In‑hospital usability and feasibility evaluation of Panda, an app for the management of pain in children at home. Paediatric Anaesthesia, 2018, 28, 897-905.	1.1	16
20	A Postoperative Pain Management Mobile App (Panda) for Children at Home After Discharge: Usability and Feasibility. JMIR Perioperative Medicine, 2019, 2, e12305.	1.0	14
21	The Performance of a Mobile Phone Respiratory Rate Counter Compared to the WHO *ARI Timer*. Journal of Healthcare Engineering, 2015, 6, 691-704.	1.9	13
22	The evaluation of smartphone versions of the visual analogue scale and numeric rating scale as postoperative pain assessment tools: a prospective randomized trial. Canadian Journal of Anaesthesia, 2019, 66, 706-715.	1.6	13
23	Moving beyond silos: How do we provide distributed personalized medicine to pregnant women everywhere at scale? Insights from PRE‑EMPT. International Journal of Gynecology and Obstetrics, 2015, 131, S10-5.	2.3	10
24	Blood pressure thresholds in pregnancy for identifying maternal and infant risk: a secondary analysis of Community-Level Interventions for Pre-eclampsia (CLIP) trial data. The Lancet Global Health, 2021, 9, e1119-e1128.	6.3	10
25	Evaluation of a digital triage platform in Uganda: A quality improvement initiative to reduce the time to antibiotic administration. PLoS ONE, 2020, 15, e0240092.	2.5	7
26	Derivation and internal validation of a data-driven prediction model to guide frontline health workers in triaging children under-five in Nairobi, Kenya. Wellcome Open Research, 2019, 4, 121.	1.8	6
27	Experience report. ACM SIGPLAN Notices, 2013, 48, 357-362.	0.2	5
28	The use of the Panda-Nerve Block pain app in single-shot peripheral nerve block patients: a feasibility study. Canadian Journal of Anaesthesia, 2020, 67, 1140-1151.	1.6	5
29	Night to night variability of pulse oximetry features in children at home and at the hospital. Physiological Measurement, 2021, 42, 104003.	2.1	5
30	Pregnancy Outcomes and Blood Pressure Visit-to-Visit Variability and Level in Three Less-Developed Countries. Hypertension, 2021, 77, 1714-1722.	2.7	4
31	Identification of thresholds for accuracy comparisons of heart rate and respiratory rate in neonates. Gates Open Research, 2021, 5, 93.	1.1	4
32	Derivation and internal validation of a data-driven prediction model to guide frontline health workers in triaging children under-five in Nairobi, Kenya. Wellcome Open Research, 2019, 4, 121.	1.8	4
33	Assessment of neonatal respiratory rate variability. Journal of Clinical Monitoring and Computing, 2022, 36, 1869-1879.	1.6	4
34	CZSaw, IMAS & Tableau: Collaboration among teams: VAST 2010 Grand Challenge award: Excellent student team analysis. , 2010, , .		2
35	Are respiratory rate counters really so bad? Throwing the baby out with the bath water. EClinicalMedicine, 2019, 16, 14.	7.1	2
36	Model based interactive analysis of interwoven, imprecise narratives: VAST 2010 mini challenge 1 award: Outstanding interaction model. , 2010, , .		1

#	Article	IF	Citations
37	Clinical decision support in physiological monitoring. International Journal of Biomedical Engineering and Technology, 2010, 3, 264.	0.2	1
38	A Focus + Context Technique for Visualizing a Document Collection. , 2012, , .		1
39	Efficiency of respiratory rate measurements: Comment on Black et al., 2015: â€œCan simple mobile phone applications provide reliable counts of respiratory rates in sick infants and children? An initial evaluation of three new applicationsâ€• International Journal of Nursing Studies, 2015, 52, 1279-1280.	5.6	1
40	Evaluation of a contactless neonatal physiological monitor in Nairobi, Kenya. Archives of Disease in Childhood, 2022, 107, 558-564.	1.9	1
41	Clinical feasibility of a contactless multiparameter continuous monitoring technology for neonates in a large public maternity hospital in Nairobi, Kenya. Scientific Reports, 2022, 12, 3097.	3.3	1
42	Using self-supervised feature learning to improve the use of pulse oximeter signals to predict paediatric hospitalization. Wellcome Open Research, 0, 6, 248.	1.8	0