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	Evaluation of a contactless neonatal physiological monitor in Nairobi, Kenya. Archives of Disease in Childhood, 2022, 107, 558-564.	1.9	1
2	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
3	Assessment of neonatal respiratory rate variability. Journal of Clinical Monitoring and Computing, 2022, 36, 1869-1879.	1.6	4
4	Pregnancy Outcomes and Blood Pressure Visit-to-Visit Variability and Level in Three Less-Developed Countries. Hypertension, 2021, 77, 1714-1722.	2.7	4
5	Identification of thresholds for accuracy comparisons of heart rate and respiratory rate in neonates. Gates Open Research, 2021, 5, 93.	1.1	4
6	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
7	Night to night variability of pulse oximetry features in children at home and at the hospital. Physiological Measurement, 2021, 42, 104003.	2.1	5
8	Community-level interventions for pre-eclampsia (CLIP) in Pakistan: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 22, 109-118.	1.4	26
9	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
10	Community-level interventions for pre-eclampsia (CLIP) in Mozambique: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 21, 96-105.	1.4	23
11	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
12	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
13	Community level interventions for pre-eclampsia (CLIP) in India: A cluster randomised controlled trial. Pregnancy Hypertension, 2020, 21, 166-175.	1.4	28
14	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
15	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
16	Are respiratory rate counters really so bad? Throwing the baby out with the bath water. EClinicalMedicine, 2019, 16, 14.	7.1	2
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Inâ€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
21	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
22	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
23	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
24	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
25	A smartphone version of the Faces Pain Scaleâ€Revised and the Color Analog Scale for postoperative pain assessment in children. Paediatric Anaesthesia, 2015, 25, 1264-1273.	1.1	43
26	The Performance of a Mobile Phone Respiratory Rate Counter Compared to the WHO<i>ARI Timer</i>. Journal of Healthcare Engineering, 2015, 6, 691-704.	1.9	13
27	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
28	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
29	Moving beyond silos: How do we provide distributed personalized medicine to pregnant women everywhere at scale? Insights from PREâ€EMPT. International Journal of Gynecology and Obstetrics, 2015, 131, S10-5.	2.3	10
30	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
31	Improving the Accuracy and Efficiency of Respiratory Rate Measurements in Children Using Mobile Devices. PLoS ONE, 2014, 9, e99266.	2.5	63
32	Development of mHealth Applications for Pre-Eclampsia Triage. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1857-1864.	6.3	71
33	Experience report. , 2013, , .		16
34	Experience report. ACM SIGPLAN Notices, 2013, 48, 357-362.	0.2	5
35	A Focus + Context Technique for Visualizing a Document Collection. , 2012, , .		1
36	A Vibro-Tactile Display for Clinical Monitoring. Anesthesia and Analgesia, 2012, 115, 588-594.	2.2	17

#	Article	IF	Citations
37	CZSaw, IMAS & Tableau: Collaboration among teams: VAST 2010 Grand Challenge award: Excellent student team analysis. , 2010, , .		2
38	Model based interactive analysis of interwoven, imprecise narratives: VAST 2010 mini challenge 1 award: Outstanding interaction model. , 2010, , .		1
39	Clinical decision support in physiological monitoring. International Journal of Biomedical Engineering and Technology, 2010, 3, 264.	0.2	1
40	Capturing and supporting the analysis process. , 2009, , .		46
41	A Knowledge Authoring Tool for Clinical Decision Support. Journal of Clinical Monitoring and Computing, 2008, 22, 189-198.	1.6	26
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