

Peter J Watkinson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

3,003
citations

30
h-index

51
g-index

179
ext. papers

4,781
ext. citations

6.6
avg, IF

5.98
L-index

#	Paper	IF	Citations
159	The Use of Wearable Pulse Oximeters in the Prompt Detection of Hypoxemia and During Movement: Diagnostic Accuracy Study.. <i>Journal of Medical Internet Research</i> , 2022 , 24, e28890	7.6	1
158	Non-contact physiological monitoring of post-operative patients in the intensive care unit.. <i>Npj Digital Medicine</i> , 2022 , 5, 4	15.7	1
157	Evaluation of a digital system to predict unplanned admissions to the intensive care unit: A mixed-methods approach.. <i>Resuscitation Plus</i> , 2022 , 9, 100193	1.4	0
156	Heparin versus citrate anticoagulation for continuous renal replacement therapy in intensive care: the RRAM observational study.. <i>Health Technology Assessment</i> , 2022 , 26, 1-58	4.4	1
155	Reporting guideline for the early-stage clinical evaluation of decision support systems driven by artificial intelligence: DECIDE-AI.. <i>Nature Medicine</i> , 2022 , 28, 924-933	50.5	4
154	Reporting guideline for the early stage clinical evaluation of decision support systems driven by artificial intelligence: DECIDE-AI.. <i>BMJ, The</i> , 2022 , 377, e070904	5.9	3
153	Risks of myocarditis, pericarditis, and cardiac arrhythmias associated with COVID-19 vaccination or SARS-CoV-2 infection.. <i>Nature Medicine</i> , 2021 ,	50.5	60
152	Comparative effectiveness of common treatments for new-onset atrial fibrillation within the ICU: Accounting for physiological status. <i>Journal of Critical Care</i> , 2021 , 67, 149-156	4	2
151	Pulse arrival time as a surrogate of blood pressure. <i>Scientific Reports</i> , 2021 , 11, 22767	4.9	6
150	Continuous wireless postoperative monitoring using wearable devices: further device innovation is needed. <i>Critical Care</i> , 2021 , 25, 394	10.8	0
149	Pharmacological and non-pharmacological treatments and outcomes for new-onset atrial fibrillation in ICU patients: the CAFE scoping review and database analyses. <i>Health Technology Assessment</i> , 2021 , 25, 1-174	4.4	0
148	Experiences of current vital signs monitoring practices and views of wearable monitoring: A qualitative study in patients and nurses. <i>Journal of Advanced Nursing</i> , 2021 ,	3.1	2
147	Neurological complications after first dose of COVID-19 vaccines and SARS-CoV-2 infection. <i>Nature Medicine</i> , 2021 ,	50.5	61
146	COMMENTARY: Is a Change from the National Early Warning System (NEWS) Warranted in Patients with Chronic Respiratory Conditions?. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2021 , 18, 129-132	2	
145	Association of Clinician Diagnostic Performance With Machine Learning-Based Decision Support Systems: A Systematic Review. <i>JAMA Network Open</i> , 2021 , 4, e211276	10.4	10
144	International gestational age-specific centiles for blood pressure in pregnancy from the INTERGROWTH-21st Project in 8 countries: A longitudinal cohort study. <i>PLoS Medicine</i> , 2021 , 18, e1003611	11.6	0
143	Day-to-day progression of vital-sign circadian rhythms in the intensive care unit. <i>Critical Care</i> , 2021 , 25, 156	10.8	5

142	Reply to: Trajectories of vital signs in patients with Covid-19. <i>Resuscitation</i> , 2021 , 162, 451-452	4	
141	Systematic review of applied usability metrics within usability evaluation methods for hospital electronic healthcare record systems: Metrics and Evaluation Methods for eHealth Systems. <i>Journal of Evaluation in Clinical Practice</i> , 2021 , 27, 1403-1416	2.5	5
140	Protocol for a systematic review assessing ambulatory vital sign monitoring impact on deterioration detection and related clinical outcomes in hospitalised patients. <i>BMJ Open</i> , 2021 , 11, e047715	2.7	1
139	Estimated Prevalence of Hypertension and Undiagnosed Hypertension in a Large Inpatient Population: A Cross-sectional Observational Study. <i>American Journal of Hypertension</i> , 2021 , 34, 963-972	2.3	1
138	Mortality and critical care unit admission associated with the SARS-CoV-2 lineage B.1.1.7 in England: an observational cohort study. <i>Lancet Infectious Diseases</i> , 2021 , 21, 1518-1528	25.5	31
137	Treatment strategies for new onset atrial fibrillation in patients treated on an intensive care unit: a systematic scoping review. <i>Critical Care</i> , 2021 , 25, 257	10.8	7
136	Descriptors of Sepsis Using the Sepsis-3 Criteria: A Cohort Study in Critical Care Units Within the U.K. National Institute for Health Research Critical Care Health Informatics Collaborative. <i>Critical Care Medicine</i> , 2021 , 49, 1883-1894	1.4	3
135	Non-Contact Assessment of Peripheral Artery Haemodynamics Using Infrared Video Thermography. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 276-288	5	5
134	Hospital Admission Location Prediction via Deep Interpretable Networks for the Year-Round Improvement of Emergency Patient Care. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 289-300	7.2	4
133	Non-contact vital sign monitoring of patients in an intensive care unit: A human factors analysis of staff expectations. <i>Applied Ergonomics</i> , 2021 , 90, 103149	4.2	1
132	An impedance pneumography signal quality index: Design, assessment and application to respiratory rate monitoring. <i>Biomedical Signal Processing and Control</i> , 2021 , 65, 102339	4.9	12
131	Problems in care and avoidability of death after discharge from intensive care: a multi-centre retrospective case record review study. <i>Critical Care</i> , 2021 , 25, 10	10.8	1
130	DECIDE-AI: new reporting guidelines to bridge the development-to-implementation gap in clinical artificial intelligence. <i>Nature Medicine</i> , 2021 , 27, 186-187	50.5	39
129	Detecting Deteriorating Patients in the Hospital: Development and Validation of a Novel Scoring System. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 44-52	10.2	8
128	Risk of thrombocytopenia and thromboembolism after covid-19 vaccination and SARS-CoV-2 positive testing: self-controlled case series study. <i>BMJ</i> , 2021 , 374, n1931	5.9	61
127	Triggers for new-onset atrial fibrillation in critically ill patients. <i>Intensive and Critical Care Nursing</i> , 2021 , 67, 103114	3.1	0
126	Association between pre-existing respiratory disease and its treatment, and severe COVID-19: a population cohort study. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 909-923	35.1	48
125	A Real-Time Wearable System for Monitoring Vital Signs of COVID-19 Patients in a Hospital Setting. <i>Frontiers in Digital Health</i> , 2021 , 3, 630273	2.3	1

124	The impact of wearable continuous vital sign monitoring on deterioration detection and clinical outcomes in hospitalised patients: a systematic review and meta-analysis. <i>Critical Care</i> , 2021 , 25, 351	10.8	2
123	A Chest Patch for Continuous Vital Sign Monitoring: Clinical Validation Study During Movement and Controlled Hypoxia. <i>Journal of Medical Internet Research</i> , 2021 , 23, e27547	7.6	1
122	A human factors analysis of missed mobilisation after discharge from intensive care: a competition for care?. <i>Physiotherapy</i> , 2021 , 113, 131-137	3	1
121	Circadian variation in new-onset atrial fibrillation in patients in ICUs. <i>Journal of Critical Care</i> , 2021 , 67, 1-2	4	1
120	Postpartum-Specific Vital Sign Reference Ranges. <i>Obstetrics and Gynecology</i> , 2021 , 137, 295-304	4.9	3
119	Anxiety, depression and post-traumatic stress disorder management after critical illness: a UK multi-centre prospective cohort study. <i>Critical Care</i> , 2020 , 24, 633	10.8	6
118	Frailty assessment in very old intensive care patients: the Hospital Frailty Risk Score answers another question. <i>Intensive Care Medicine</i> , 2020 , 46, 1516-1517	14.5	1
117	Early warning scores for detecting deterioration in adult hospital patients: systematic review and critical appraisal of methodology. <i>BMJ, The</i> , 2020 , 369, m1501	5.9	64
116	Cross-sectional centiles of blood pressure by age and sex: a four-hospital database retrospective observational analysis. <i>BMJ Open</i> , 2020 , 10, e033618	3	
115	Prophylactic use of platelets in critically ill patients with thrombocytopenia: A retrospective two-centre observational study. <i>Journal of Critical Care</i> , 2020 , 57, 157-167	4	4
114	Renal replacement anticoagulant management: Protocol and analysis plan for an observational comparative effectiveness study of linked data sources. <i>Journal of the Intensive Care Society</i> , 2020 , 175114372091341	1.6	2
113	Study protocol for an exploratory interventional study investigating the feasibility of video-based non-contact physiological monitoring in healthy volunteers by Mapping Of Lower Limb skin pErfusion (MOLLIE). <i>BMJ Open</i> , 2020 , 10, e036235	3	1
112	Gestation-Specific Vital Sign Reference Ranges in Pregnancy. <i>Obstetrics and Gynecology</i> , 2020 , 135, 653-664	4.9	28
111	Vital-sign circadian rhythms in patients prior to discharge from an ICU: a retrospective observational analysis of routinely recorded physiological data. <i>Critical Care</i> , 2020 , 24, 181	10.8	8
110	Managing new-onset atrial fibrillation in critically ill patients: a systematic narrative review. <i>BMJ Open</i> , 2020 , 10, e034774	3	2
109	Wearability Testing of Ambulatory Vital Sign Monitoring Devices: Prospective Observational Cohort Study. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e20214	5.5	10
108	Conditional Survival With Increasing Duration of ICU Admission: An Observational Study of Three Intensive Care Databases. <i>Critical Care Medicine</i> , 2020 , 48, 91-97	1.4	8
107	A qualitative exploration of escalation of care in the acute ward setting. <i>Nursing in Critical Care</i> , 2020 , 25, 171-178	2.7	4

106	Does delaying discharge from intensive care until after tracheostomy removal affect 30-day mortality? Propensity score matched cohort study. <i>BMJ Open</i> , 2020 , 10, e037762	3	1
105	Implementing a system for the real-time risk assessment of patients considered for intensive care. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 161	3.6	3
104	Protocol for a prospective, controlled, cross-sectional, diagnostic accuracy study to evaluate the specificity and sensitivity of ambulatory monitoring systems in the prompt detection of hypoxia and during movement. <i>BMJ Open</i> , 2020 , 10, e034404	3	9
103	Hospital outcomes associated with new-onset atrial fibrillation during ICU admission: A multicentre competing risks analysis. <i>Journal of Critical Care</i> , 2020 , 60, 72-78	4	4
102	Risk of severe COVID-19 disease with ACE inhibitors and angiotensin receptor blockers: cohort study including 8.3 million people. <i>Heart</i> , 2020 , 106, 1503-1511	5.1	174
101	A UK national survey of prophylactic platelet transfusion thresholds in non-bleeding, critically ill adults. <i>Transfusion Medicine</i> , 2020 , 30, 515-517	1.3	3
100	Trajectories of vital signs in patients with COVID-19. <i>Resuscitation</i> , 2020 , 156, 99-106	4	23
99	Monitoring activity of hip injury patients (MoHIP): a sub-study of the World Hip Trauma Evaluation observational cohort study. <i>Pilot and Feasibility Studies</i> , 2020 , 6, 70	1.9	3
98	Smartwatch data help detect COVID-19. <i>Nature Biomedical Engineering</i> , 2020 , 4, 1125-1127	19	9
97	Using real-time location devices (RTLTD) to quantify off-unit adult intensive care registrar workload: a 1-year tertiary NHS hospital prospective observational study. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 805-809	2	
96	Deep Interpretable Early Warning System for the Detection of Clinical Deterioration. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 437-446	7.2	23
95	The Association between Supraphysiologic Arterial Oxygen Levels and Mortality in Critically Ill Patients. A Multicenter Observational Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 1373-1380	10.2	36
94	Trends of blood pressure and heart rate in normal pregnancies: a systematic review and meta-analysis. <i>BMC Medicine</i> , 2019 , 17, 167	11.4	25
93	Risk factors for new-onset atrial fibrillation on the general adult ICU: A systematic review. <i>Journal of Critical Care</i> , 2019 , 53, 169-175	4	12
92	Non-invasive stroke volume estimation by transthoracic electrical bioimpedance Doppler echocardiography in healthy volunteers. <i>Journal of Medical Engineering and Technology</i> , 2019 , 43, 33-37	1.8	3
91	Reply to: NEWS2 needs to be tested in prospective trials involving patients with confirmed hypercapnia. <i>Resuscitation</i> , 2019 , 139, 371-372	4	
90	How human factors affect escalation of care: a protocol for a qualitative evidence synthesis of studies. <i>BMJ Open</i> , 2019 , 9, e025969	3	2
89	The National Early Warning Score 2 (NEWS2). <i>Clinical Medicine</i> , 2019 , 19, 260	1.9	28

88	Availability and performance of image-based, non-contact methods of monitoring heart rate, blood pressure, respiratory rate, and oxygen saturation: a systematic review. <i>Physiological Measurement</i> , 2019 , 40, 06TR01	2.9	27
87	Patient centred variables with univariate associations with unplanned ICU admission: a systematic review. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 98	3.6	6
86	The effect of fractional inspired oxygen concentration on early warning score performance: A database analysis. <i>Resuscitation</i> , 2019 , 139, 192-199	4	10
85	Screening for hypertension using emergency department blood pressure measurements can identify patients with undiagnosed hypertension: A systematic review with meta-analysis. <i>Journal of Clinical Hypertension</i> , 2019 , 21, 1415-1425	2.3	6
84	Circadian Blood Pressure Variations Computed From 1.7 Million Measurements in an Acute Hospital Setting. <i>American Journal of Hypertension</i> , 2019 , 32, 1154-1161	2.3	6
83	Testing a digital system that ranks the risk of unplanned intensive care unit admission in all ward patients: protocol for a prospective observational cohort study. <i>BMJ Open</i> , 2019 , 9, e032429	3	1
82	Early warning score adjusted for age to predict the composite outcome of mortality, cardiac arrest or unplanned intensive care unit admission using observational vital-sign data: a multicentre development and validation. <i>BMJ Open</i> , 2019 , 9, e033301	3	12
81	Screening for Hypertension in the INpatient Environment (SHINE): a protocol for a prospective study of diagnostic accuracy among adult hospital patients. <i>BMJ Open</i> , 2019 , 9, e033792	3	4
80	Components of the full blood count as risk factors for colorectal cancer detection: a systematic review protocol. <i>BMJ Open</i> , 2019 , 9, e032759	3	3
79	Protocol for a mixed-methods exploratory investigation of care following intensive care discharge: the REFLECT study. <i>BMJ Open</i> , 2019 , 9, e027838	3	2
78	Non-contact physiological monitoring of preterm infants in the Neonatal Intensive Care Unit. <i>Npj Digital Medicine</i> , 2019 , 2, 128	15.7	37
77	The authors reply. <i>Critical Care Medicine</i> , 2019 , 47, e152-e153	1.4	
76	The authors reply. <i>Critical Care Medicine</i> , 2019 , 47, e161	1.4	1
75	What lies downstream: Cellular oxygen delivery during hemodialysis. <i>Seminars in Dialysis</i> , 2019 , 32, 232-236		1
74	Changes in health-related quality of life after discharge from an intensive care unit: a systematic review. <i>Anaesthesia</i> , 2019 , 74, 100-108	6.6	43
73	A comparison of the ability of the National Early Warning Score and the National Early Warning Score 2 to identify patients at risk of in-hospital mortality: A multi-centre database study. <i>Resuscitation</i> , 2019 , 134, 147-156	4	68
72	Testing a digital system that ranks the risk of unplanned intensive care unit admission in all ward patients: protocol for a prospective observational cohort study 2019 , 9, e032429		1
71	Critical Care Health Informatics Collaborative (CCHIC): Data, tools and methods for reproducible research: A multi-centre UK intensive care database. <i>International Journal of Medical Informatics</i> , 2018 , 112, 82-89	5.3	29

70	Point process models for novelty detection on spatial point patterns and their extremes. <i>Computational Statistics and Data Analysis</i> , 2018 , 125, 86-103	1.6	4
69	Artificial intelligence in health care: enabling informed care. <i>Lancet, The</i> , 2018 , 391, 1260	40	7
68	A Robust Fusion Model for Estimating Respiratory Rate From Photoplethysmography and Electrocardiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2033-2041	5	27
67	Breathing Rate Estimation From the Electrocardiogram and Photoplethysmogram: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2018 , 11, 2-20	6.4	128
66	Manual centile-based early warning scores derived from statistical distributions of observational vital-sign data. <i>Resuscitation</i> , 2018 , 129, 55-60	4	23
65	Outcome of Critically ill Patients Undergoing Mandatory Insulin Therapy Compared to Usual Care Insulin Therapy: Protocol for a Pilot Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2018 , 7, e44	2	2
64	Impact of Electronic Versus Paper Vital Sign Observations on Length of Stay in Trauma Patients: Stepped-Wedge, Cluster Randomized Controlled Trial. <i>JMIR Medical Informatics</i> , 2018 , 6, e10221	3.6	1
63	Shoulder Impairment Following Critical Illness: A Prospective Cohort Study. <i>Critical Care Medicine</i> , 2018 , 46, 1769-1774	1.4	19
62	Optimal intensive care outcome prediction over time using machine learning. <i>PLoS ONE</i> , 2018 , 13, e0206862	3.7	31
61	Anxiety, Depression and Post Traumatic Stress Disorder after critical illness: a UK-wide prospective cohort study. <i>Critical Care</i> , 2018 , 22, 310	10.8	140
60	Predicting in-hospital mortality and unanticipated admissions to the intensive care unit using routinely collected blood tests and vital signs: Development and validation of a multivariable model. <i>Resuscitation</i> , 2018 , 133, 75-81	4	23
59	Risk factors for new-onset atrial fibrillation on the general adult ICU: protocol for a systematic review. <i>BMJ Open</i> , 2018 , 8, e024640	3	5
58	Smoothing Effect in Vital Sign Recordings: Fact or Fiction? A Retrospective Cohort Analysis of Manual and Continuous Vital Sign Measurements to Assess Data Smoothing in Postoperative Care. <i>Anesthesia and Analgesia</i> , 2018 , 127, 960-966	3.9	4
57	Out-of-hours discharge from intensive care, in-hospital mortality and intensive care readmission rates: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2018 , 44, 1115-1129	14.5	25
56	Mortality risks associated with emergency admissions during weekends and public holidays: an analysis of electronic health records. <i>Lancet, The</i> , 2017 , 390, 62-72	40	75
55	Defining multiple organ failure after major trauma: A comparison of the Denver, Sequential Organ Failure Assessment, and Marshall scoring systems. <i>Journal of Trauma and Acute Care Surgery</i> , 2017 , 82, 534-541	3.3	30
54	A ward-based time study of paper and electronic documentation for recording vital sign observations. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 717-721	8.6	25
53	Extraction of respiratory signals from the electrocardiogram and photoplethysmogram: technical and physiological determinants. <i>Physiological Measurement</i> , 2017 , 38, 669-690	2.9	63

52	Toward a Robust Estimation of Respiratory Rate From Pulse Oximeters. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1914-1923	5	101
51	Usability evaluation methods employed to assess information visualisations of electronically stored patient data for clinical use: a protocol for a systematic review. <i>Systematic Reviews</i> , 2017 , 6, 148	3	2
50	Availability and performance of image/video-based vital signs monitoring methods: a systematic review protocol. <i>Systematic Reviews</i> , 2017 , 6, 217	3	4
49	Pregnancy physiology pattern prediction study (4P study): protocol of an observational cohort study collecting vital sign information to inform the development of an accurate centile-based obstetric early warning score. <i>BMJ Open</i> , 2017 , 7, e016034	3	6
48	Quantitative metrics for evaluating the phased roll-out of clinical information systems. <i>International Journal of Medical Informatics</i> , 2017 , 105, 130-135	5.3	2
47	Severity of illness and the weekend effect - AuthorsSreply. <i>Lancet, The</i> , 2017 , 390, 1735	4.0	10
46	The effect of postal questionnaire burden on response rate and answer patterns following admission to intensive care: a randomised controlled trial. <i>BMC Medical Research Methodology</i> , 2017 , 17, 49	4.7	8
45	Variables associated with unplanned general adult ICU admission in hospitalised patients: protocol for a systematic review. <i>Systematic Reviews</i> , 2017 , 6, 67	3	4
44	Electronic recording of transfusion-related patient observations: a comparison of two bedside systems. <i>Vox Sanguinis</i> , 2017 , 112, 780-787	3.1	2
43	Early warning scores for detecting deterioration in adult hospital patients: a systematic review protocol. <i>BMJ Open</i> , 2017 , 7, e019268	3	32
42	Robust estimation of respiratory rate via ECG- and PPG-derived respiratory quality indices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 676-679	0.9	9
41	Wearable monitors for patients following discharge from an intensive care unit: practical lessons learnt from an observational study. <i>Journal of Advanced Nursing</i> , 2016 , 72, 1851-62	3.1	22
40	Evaluation of the effects of implementing an electronic early warning score system: protocol for a stepped wedge study. <i>BMC Medical Informatics and Decision Making</i> , 2016 , 16, 19	3.6	10
39	An assessment of algorithms to estimate respiratory rate from the electrocardiogram and photoplethysmogram. <i>Physiological Measurement</i> , 2016 , 37, 610-26	2.9	163
38	Trends of vital signs with gestational age in normal pregnancies: a systematic review protocol. <i>BMJ Open</i> , 2016 , 6, e008769	3	5
37	Life-threatening ketoacidosis in a pregnant woman with psychotic disorder. <i>Obstetric Medicine</i> , 2016 , 9, 46-9	1.5	9
36	SEND: a system for electronic notification and documentation of vital sign observations. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15, 68	3.6	27
35	Intelligent Electronic Health Systems 2015 , 73-98		1

34	Changes in health-related quality of life (HRQoL) after discharge from intensive care unit: a protocol for a systematic review. <i>BMJ Open</i> , 2015 , 5, e009508	3	4
33	Out-of-hours discharge from intensive care, in-hospital mortality and intensive care readmission rates: a systematic review protocol. <i>Systematic Reviews</i> , 2015 , 4, 93	3	5
32	Circuit life versus bleeding risk: the impact of achieved activated partial thromboplastin time versus achieved filtration fraction. <i>Therapeutic Apheresis and Dialysis</i> , 2015 , 19, 259-66	1.9	5
31	Errors and omissions in paper-based early warning scores: the association with changes in vital signs—a database analysis. <i>BMJ Open</i> , 2015 , 5, e007376	3	34
30	. <i>IEEE Transactions on Reliability</i> , 2014 , 63, 455-467	4.6	37
29	Israel-Gaza conflict. <i>Lancet, The</i> , 2014 , 384, 489	4.0	
28	Predictive monitoring of mobile patients by combining clinical observations with data from wearable sensors. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 722-30	7.2	125
27	Continuous non-contact vital sign monitoring in neonatal intensive care unit. <i>Healthcare Technology Letters</i> , 2014 , 1, 87-91	1.9	106
26	Physiological trajectory of patients pre and post ICU discharge. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 3160-3	0.9	4
25	Modelling physiological deterioration in post-operative patient vital-sign data. <i>Medical and Biological Engineering and Computing</i> , 2013 , 51, 869-77	3.1	23
24	Gaussian processes for personalized e-health monitoring with wearable sensors. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 193-7	5	63
23	The digital patient. <i>Clinical Medicine</i> , 2013 , 13, 252-7	1.9	18
22	Gaussian process regression in vital-sign early warning systems. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 6161-4	0.9	18
21	Current and emerging approaches to address failure-to-rescue. <i>Anesthesiology</i> , 2012 , 116, 1158-9; author reply 1159	4.3	8
20	Are arterial and venous samples clinically equivalent for the estimation of pH, serum bicarbonate and potassium concentration in critically ill patients?. <i>Diabetic Medicine</i> , 2012 , 29, 32-5	3.5	32
19	The effects of precision, haematocrit, pH and oxygen tension on point-of-care glucose measurement in critically ill patients: a prospective study. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 144-51 ²	2.2	24
18	Pitfalls in the management of severe hyponatraemia. <i>Nephron</i> , 2012 , 120, c223-7	3.3	1
17	Centile-based early warning scores derived from statistical distributions of vital signs. <i>Resuscitation</i> , 2011 , 82, 1013-8	4	97

16	Planning a Level Two Unit for Medical Patients: A Prospective Study. <i>Journal of the Intensive Care Society</i> , 2008 , 9, 243-247	1.6	1
15	Preventing postextubation airway complications in adults. <i>BMJ, The</i> , 2008 , 337, a1565	5.9	5
14	Blood glucose control in critical care patients - a review of the literature. <i>Nursing in Critical Care</i> , 2007 , 12, 202-10	2.7	4
13	The use of pre- pro- and synbiotics in adult intensive care unit patients: systematic review. <i>Clinical Nutrition</i> , 2007 , 26, 182-92	5.9	59
12	A randomised controlled trial of the effect of continuous electronic physiological monitoring on the adverse event rate in high risk medical and surgical patients. <i>Anaesthesia</i> , 2006 , 61, 1031-9	6.6	82
11	Training and assessment of competency of trainees in the transfer of critically ill patients. <i>Anaesthesia</i> , 2004 , 59, 1248-9	6.6	13
10	Ambulatory blood pressure monitoring using telemedicine: proof-of-concept cohort and failure modes and effects analyses. <i>Wellcome Open Research</i> , 7, 39	4.8	
9	Risk of myocarditis following sequential COVID-19 vaccinations by age and sex		2
8	Wearability Testing of Ambulatory Vital Sign Monitoring Devices: Prospective Observational Cohort Study (Preprint)		1
7	Early detection of physiological deterioration in post-surgical patients using wearable technology combined with an integrated monitoring system: a pre- and post-interventional study		1
6	Analysis of severe outcomes associated with the SARS-CoV-2 Variant of Concern 202012/01 in England using ICNARC Case Mix Programme and QResearch databases		15
5	Wearable pulse oximeters in the prompt detection of hypoxaemia and during movement: a diagnostic accuracy study (Preprint)		1
4	Risk factors for new-onset atrial fibrillation during critical illness: A Delphi study. <i>Journal of the Intensive Care Society</i> , 175114372110221	1.6	0
3	A Chest Patch for Continuous Vital Sign Monitoring: Clinical Validation Study During Movement and Controlled Hypoxia (Preprint)		1
2	Ambulatory blood pressure monitoring using telemedicine: proof-of-concept cohort and failure modes and effects analyses. <i>Wellcome Open Research</i> , 7, 39	4.8	
1	Trends in the full blood count blood test and colorectal cancer detection: a longitudinal, case-control study of UK primary care patient data. <i>NIHR Open Research</i> , 2, 32		0