

# Felix Balzer

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,584  
citations

279487

23  
h-index

233125

45  
g-index

104  
all docs

104  
docs citations

104  
times ranked

5244  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Remote Patient-Monitoring System for Intensive Care Medicine: Mixed Methods Human-Centered Design and Usability Evaluation. <i>JMIR Human Factors</i> , 2022, 9, e30655.	1.0	7
2	Interactive Versus Static Decision Support Tools for COVID-19: Randomized Controlled Trial. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e33733.	1.2	1
3	Does adherence to a quality indicator regarding early weaning from invasive ventilation improve economic outcome? A single-centre retrospective study. <i>BMJ Open</i> , 2022, 12, e045327.	0.8	0
4	Creation of an Evidence-Based Implementation Framework for Digital Health Technology in the Intensive Care Unit: Qualitative Study. <i>JMIR Formative Research</i> , 2022, 6, e22866.	0.7	4
5	Triage Accuracy of Symptom Checker Apps: 5-Year Follow-up Evaluation. <i>Journal of Medical Internet Research</i> , 2022, 24, e31810.	2.1	48
6	Age of Red Cells for Transfusion and Outcomes in Patients with ARDS. <i>Journal of Clinical Medicine</i> , 2022, 11, 245.	1.0	4
7	Sex-Specific Aspects of Skeletal Muscle Metabolism in the Clinical Context of Intensive Care Unit-Acquired Weakness. <i>Journal of Clinical Medicine</i> , 2022, 11, 846.	1.0	8
8	The role of cell-free hemoglobin and haptoglobin in acute kidney injury in critically ill adults with ARDS and therapy with VV ECMO. <i>Critical Care</i> , 2022, 26, 50.	2.5	13
9	Determinants of Laypersons'™ Trust in Medical Decision Aids: Randomized Controlled Trial. <i>JMIR Human Factors</i> , 2022, 9, e35219.	1.0	15
10	Artificial Intelligence Competencies in Postgraduate Medical Training in Germany. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	1
11	MIMIC-IV as a Clinical Data Schema. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	4
12	Utilizing Intensive Care Alarms for Machine Learning. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	0
13	The Prediction of Fall Circumstances Among Patients in Clinical Care " A Retrospective Observational Study. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	1
14	Artificial Intelligence in Undergraduate Medical Education. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	2
15	Inducing and Recording Acute Stress Responses on a Large Scale With the Digital Stress Test (DST): Development and Evaluation Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e32280.	2.1	0
16	Telemedicine in the intensive care unit: A vehicle to improve quality of care?. <i>Journal of Critical Care</i> , 2021, 61, 241-246.	1.0	7
17	Interdisciplinary Online Hackathons as an Approach to Combat the COVID-19 Pandemic: Case Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e25283.	2.1	24
18	Benchmarking Triage Capability of Symptom Checkers Against That of Medical Laypersons: Survey Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e24475.	2.1	33

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19	Clinical and virological characteristics of hospitalised COVID-19 patients in a German tertiary care centre during the first wave of the SARS-CoV-2 pandemic: a prospective observational study. <i>Infection</i> , 2021, 49, 703-714.	2.3	27
20	Critical Illness and Systemic Inflammation Are Key Risk Factors of Severe Acute Kidney Injury in Patients With COVID-19. <i>Kidney International Reports</i> , 2021, 6, 905-915.	0.4	22
21	Infectious Complications after Etomidate vs. Propofol for Induction of General Anesthesia in Cardiac Surgery—Results of a Retrospective, before–after Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2908.	1.0	2
22	Predicting lethal courses in critically ill COVID-19 patients using a machine learning model trained on patients with non-COVID-19 viral pneumonia. <i>Scientific Reports</i> , 2021, 11, 13205.	1.6	12
23	Impact of dexamethasone on SARS-CoV-2 concentration kinetics and antibody response in hospitalized COVID-19 patients: results from a prospective observational study. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1520.e7-1520.e10.	2.8	13
24	Telemedicine in Intensive Care Units: Scoping Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e32264.	2.1	12
25	Perceived Severity of Stressors in the Intensive Care Unit: A Systematic Review and Semi-Quantitative Analysis of the Literature on the Perspectives of Patients, Health Care Providers and Relatives. <i>Journal of Clinical Medicine</i> , 2021, 10, 3928.	1.0	14
26	High Central Venous Pressure after Cardiac Surgery Might Depict Hemodynamic Deterioration Associated with Increased Morbidity and Mortality. <i>Journal of Clinical Medicine</i> , 2021, 10, 3945.	1.0	5
27	Outcomes in Critically Ill Patients Sedated with Intravenous Lormetazepam or Midazolam: A Retrospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 4091.	1.0	3
28	Algorithmic literacy in medical students – results of a knowledge test conducted in Germany. <i>Health Information and Libraries Journal</i> , 2021, 38, 224-230.	1.3	3
29	The social construction of the patient-physician relationship in the clinical encounter: Media frames on shared decision making in Germany. <i>Social Science and Medicine</i> , 2021, 289, 114420.	1.8	1
30	Patient Monitoring Alarms in an Intensive Care Unit: Observational Study With Do-It-Yourself Instructions. <i>Journal of Medical Internet Research</i> , 2021, 23, e26494.	2.1	15
31	Hemophagocytic Lymphohistiocytosis in Critically Ill Patients. <i>Shock</i> , 2020, 53, 701-709.	1.0	24
32	Hyperferritinemia in Critically Ill Patients*. <i>Critical Care Medicine</i> , 2020, 48, 459-465.	0.4	47
33	Effects of pain, sedation and delirium monitoring on clinical and economic outcome: A retrospective study. <i>PLoS ONE</i> , 2020, 15, e0234801.	1.1	7
34	Lower versus higher hemoglobin threshold for transfusion in ARDS patients with and without ECMO. <i>Critical Care</i> , 2020, 24, 697.	2.5	13
35	Fluid Therapy With Gelatin May Have Deleterious Effects on Kidney Function: An Observational Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 2674-2681.	0.6	12
36	COVID-19 severity correlates with airway epithelium—immune cell interactions identified by single-cell analysis. <i>Nature Biotechnology</i> , 2020, 38, 970-979.	9.4	887

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37	Hemophagocytic lymphohistiocytosis in critically ill patients: diagnostic reliability of HLH-2004 criteria and HScore. <i>Critical Care</i> , 2020, 24, 244.	2.5	70
38	Hackathons as Stepping Stones in Health Care Innovation: Case Study With Systematic Recommendations. <i>Journal of Medical Internet Research</i> , 2020, 22, e17004.	2.1	33
39	Improvements in Patient Monitoring in the Intensive Care Unit: Survey Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e19091.	2.1	59
40	Telemedicine in Intensive Care Units: Protocol for a Scoping Review. <i>JMIR Research Protocols</i> , 2020, 9, e19695.	0.5	3
41	Undergraduate Medical Competencies in Digital Health and Curricular Module Development: Mixed Methods Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e22161.	2.1	40
42	A new score for characterizing the visibility of anatomical structures during ultrasound guided regional anesthesia: a retrospective cohort study. <i>Minerva Anestesiologica</i> , 2020, 86, 922-929.	0.6	4
43	How to Overcome Barriers for the Implementation of New Information Technologies in Intensive Care Medicine. <i>Lecture Notes in Computer Science</i> , 2019, , 534-546.	1.0	9
44	Routine frailty assessment predicts postoperative complications in elderly patients across surgical disciplines – a retrospective observational study. <i>BMC Anesthesiology</i> , 2019, 19, 204.	0.7	51
45	Sharing Frailty-related information in perioperative care: an analysis from a temporal perspective. <i>BMC Health Services Research</i> , 2019, 19, 105.	0.9	7
46	Diagnostic biomarkers for adult haemophagocytic lymphohistiocytosis in critically ill patients (HEMICU): a prospective observational study protocol. <i>BMJ Open</i> , 2019, 9, e032695.	0.8	5
47	Association between potassium concentrations, variability and supplementation, and in-hospital mortality in ICU patients: a retrospective analysis. <i>Annals of Intensive Care</i> , 2019, 9, 100.	2.2	17
48	Clinical Requirements of Future Patient Monitoring in the Intensive Care Unit: Qualitative Study. <i>JMIR Medical Informatics</i> , 2019, 7, e13064.	1.3	71
49	Utilization of echocardiography in Intensive Care Units: results of an online survey in Germany. <i>Minerva Anestesiologica</i> , 2019, 85, 263-270.	0.6	9
50	Long-term sequelae of acute respiratory distress syndrome caused by severe community-acquired pneumonia: Delirium-associated cognitive impairment and post-traumatic stress disorder. <i>Journal of International Medical Research</i> , 2018, 46, 2265-2283.	0.4	26
51	Hemophagocytic Lymphohistiocytosis: Potentially Underdiagnosed in Intensive Care Units. <i>Shock</i> , 2018, 50, 149-155.	1.0	50
52	Successful overexpression of wild-type inhibitor-2 of PP1 in cardiovascular cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 859-873.	1.4	8
53	Does the severity of preoperative anemia or blood transfusion have a stronger impact on long-term survival after cardiac surgery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1412-1420.	0.4	90
54	Predictors of survival in critically ill patients with acute respiratory distress syndrome (ARDS): an observational study. <i>BMC Anesthesiology</i> , 2016, 16, 108.	0.7	29

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55	Use of guidelines and bundles. , 2016, , 27-34.		1
56	Implementation of goal-directed fluid therapy during hip revision arthroplasty: a matched cohort study. Perioperative Medicine (London, England), 2016, 5, 31.	0.6	28
57	Impact of retained blood requiring reintervention on outcomes after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 595-601.e4.	0.4	33
58	High Postoperative Blood Pressure After Cardiac Surgery Is Associated With Acute Kidney Injury and Death. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 1562-1570.	0.6	10
59	Comparison of the non-invasive NexfinÂ® monitor with conventional methods for the measurement of arterial blood pressure in moderate risk orthopaedic surgery patients. Journal of International Medical Research, 2016, 44, 832-843.	0.4	33
60	Development and alignment of undergraduate medical curricula in a web-based, dynamic Learning Opportunities, Objectives and Outcome Platform (LOOOP). Medical Teacher, 2016, 38, 369-377.	1.0	34
61	Minor Postoperative Increases of Creatinine Are Associated with Higher Mortality and Longer Hospital Length of Stay in Surgical Patients. Anesthesiology, 2015, 123, 1301-1311.	1.3	131
62	Effects of an Innovative Psychotherapy Program for Surgical Patients. Anesthesiology, 2015, 123, 148-159.	1.3	10
63	High central venous saturation after cardiac surgery is associated with increased organ failure and long-term mortality: an observational cross-sectional study. Critical Care, 2015, 19, 168.	2.5	30
64	Liberal Transfusion Practice or Perioperative Treatment of Anemia to Avoid Transfusion?. Anesthesiology, 2015, 123, 971-973.	1.3	2
65	Early deep sedation is associated with decreased in-hospital and two-year follow-up survival. Critical Care, 2015, 19, 197.	2.5	111
66	How we avoid patient shortage with an integrated analysis of learning objectives and clinical data during development of undergraduate medical curricula. Medical Teacher, 2015, 37, 533-537.	1.0	4
67	Association of Comorbidities With Postoperative In-Hospital Mortality. Medicine (United States), 2015, 94, e576.	0.4	24
68	Early levosimendan administration is associated with decreased mortality after cardiac surgery. Journal of Critical Care, 2015, 30, 859.e1-859.e6.	1.0	14
69	Validating Algorithmic Optimization of Patient Allocation at Medical Schools: Which Patient is the Best Fit for Undergraduate Training?. , 2015, , .		0
70	Effect of blood-sugar limitation on intensive care mortality: Intragroup evaluation. Journal of International Medical Research, 2015, 43, 560-572.	0.4	2
71	Early administration of levosimendan is associated with improved kidney function after cardiac surgery â€” a retrospective analysis. Journal of Cardiothoracic Surgery, 2014, 9, 167.	0.4	15
72	Delirium, Sedation and Analgesia in the Intensive Care Unit: A Multinational, Two-Part Survey among Intensivists. PLoS ONE, 2014, 9, e110935.	1.1	89

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73	Predictive Ability of the Stability and Workload Index for Transfer Score to Predict Unplanned Readmissions After ICU Discharge*. <i>Critical Care Medicine</i> , 2013, 41, 1608-1615.	0.4	32
74	Towards Web 3.0: taxonomies and ontologies for medical education -- a systematic review. <i>GMS Zeitschrift Für Medizinische Ausbildung</i> , 2013, 30, Doc13.	1.2	6
75	A survey of standardised drug syringe label use in European anaesthesiology departments. <i>European Journal of Anaesthesiology</i> , 2012, 29, 446-451.	0.7	8
76	Analysis of Event Logs from Syringe Pumps. <i>Drug Safety</i> , 2012, 35, 563-574.	1.4	27
77	Persistence of Psychological Distress in Surgical Patients with Interest in Psychotherapy: Results of a 6-Month Follow-Up. <i>PLoS ONE</i> , 2012, 7, e51167.	1.1	11
78	Standardised drug labelling in intensive care: results of an international survey among ESICM members. <i>Intensive Care Medicine</i> , 2012, 38, 1298-1305.	3.9	8
79	Patient safety in anaesthesia. <i>European Journal of Anaesthesiology</i> , 2011, 28, 749-752.	0.7	9
80	Tackling the frailty burden with an integrative value-based approach: results from a mixed-methods study. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 0, , 1.	0.8	1