

# Tobias Grundgeiger

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

704  
citations

840776

11  
h-index

552781

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interruptions in healthcare: Theoretical views. International Journal of Medical Informatics, 2009, 78, 293-307.	3.3	218
2	Interruption management in the intensive care unit: Predicting resumption times and assessing distributed support.. Journal of Experimental Psychology: Applied, 2010, 16, 317-334.	1.2	120
3	Interruptions and Blood Transfusion Checks: Lessons from the Simulated Operating Room. Anesthesia and Analgesia, 2009, 108, 219-222.	2.2	54
4	Effects of sleep deprivation on prospective memory. Memory, 2014, 22, 679-686.	1.7	52
5	Prospective memory in the ICU: the effect of visual cues on task execution in a representative simulation. Ergonomics, 2013, 56, 579-589.	2.1	30
6	Body posture during simulated tracheal intubation: GlideScope <sup>®</sup> videolaryngoscopy vs Macintosh direct laryngoscopy for novices and experts. Anaesthesia, 2015, 70, 1375-1381.	3.8	28
7	An exploratory clinical evaluation of a head-worn display based multiple-patient monitoring application: impact on supervising anesthesiologists'™ situation awareness. Journal of Clinical Monitoring and Computing, 2019, 33, 1119-1127.	1.6	24
8	Supporting multiple patient monitoring with head-worn displays and spearcons. Applied Ergonomics, 2019, 78, 86-96.	3.1	22
9	Prospective Memory in Complex Sociotechnical Systems. Zeitschrift Fur Psychologie / Journal of Psychology, 2014, 222, 100-109.	1.0	20
10	An investigation into the effects of real vs. stimulated cases and level of experience on the distribution of visual attention during induction of general anaesthesia. Anaesthesia, 2017, 72, 624-632.	3.8	17
11	Cognitive Aids in Acute Care. , 2019, , .		17
12	Why and How to Approach User Experience in Safety-Critical Domains: The Example of Health Care. Human Factors, 2021, 63, 821-832.	3.5	17
13	Commission errors in delay-€execute prospective memory tasks. Quarterly Journal of Experimental Psychology, 2017, 70, 1423-1438.	1.1	11
14	Experience Matters. , 2020, , .		11
15	Noncompetitive retrieval practice causes retrieval-induced forgetting in cued recall but not in recognition. Memory and Cognition, 2014, 42, 400-408.	1.6	10
16	Commission errors with forced response lag. Quarterly Journal of Experimental Psychology, 2019, 72, 2380-2392.	1.1	8
17	The Validity of the SEEV Model as a Process Measure of Situation Awareness: The Example of a Simulated Endotracheal Intubation. Human Factors, 2022, 64, 1181-1194.	3.5	6
18	Training students to use syringe pumps: an experimental comparison of e-learning and classroom training. Biomedizinische Technik, 2016, 61, 211-20.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Design and Evaluation of a Head-Worn Display Application for Multi-Patient Monitoring. , 2021, , .		5
20	User experience in safety-critical domains: a survey on motivational orientations and psychological need satisfaction in acute care. Cognition, Technology and Work, 2022, 24, 247-260.	3.0	5
21	The effect of different distractions on remembering delayed intentions. Memory, 2018, 26, 154-170.	1.7	4
22	Statistical Modeling of Visual Attention of Junior and Senior Anesthesiologists During the Induction of General Anesthesia in Real and Simulated Cases. IEEE Transactions on Human-Machine Systems, 2020, 50, 317-326.	3.5	4
23	From Paper Flight Strips to Digital Strip Systems: Changes and Similarities in Air Traffic Control Work Practices. Proceedings of the ACM on Human-Computer Interaction, 2020, 4, 1-21.	3.3	4
24	Beyond Knowledge Acquisition. , 2017, , .		2
25	E-Learning vs. E-Learning with Hands-on: An Experimental Study to Improve Clinical Skills. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 660-660.	0.3	2
26	The Effect of Effort on the Allocation of Visual Attention During the Induction of General Anesthesia: A SEEV Model Analysis. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 359-363.	0.3	2
27	Guiding Attention via a Cognitive Aid During a Simulated In-Hospital Cardiac Arrest Scenario: A Salience Effort Expectancy Value Model Analysis. Human Factors, 2023, 65, 1689-1701.	3.5	2
28	Attention to Changes on a Head-Worn Display: Two Preclinical Studies with Healthcare Scenarios. Human Factors, 2024, 66, 103-125.	3.5	2
29	Comparison Between Head-Mounted Displays Regarding The Resumption of A Disrupted Work Task. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 364-365.	0.3	1
30	A Cognitive Aid to Support In-hospital Resuscitation Teams: An Experimental Evaluation in a Medical Simulation. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 669-670.	0.3	1
31	The Effect of Visual Cues on How People Handle Interruptions. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 250-254.	0.3	0
32	The Effect of Conventional Screens vs. Head-Mounted Displays on Alarm Monitoring Strategies. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1555-1555.	0.3	0
33	Visual Attention in Anesthesiology. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 531-531.	0.3	0