David Tscholl

List of Publications by Year
in descending order

30 papers	552 citations	566801 15 h-index	713013 21 g-index
49 all docs	49 docs citations	49 times ranked	292 citing authors

#	Article	IF	Citations
1	Physicians' perceptions of two ways of algorithm presentation: graphic versus text-based approach. Ergonomics, 2022, 65, 1326-1337.	1.1	2
2	Improving Visual-Patient-Avatar Design Prior to Its Clinical Release: A Mixed Qualitative and Quantitative Study. Diagnostics, 2022, 12, 555.	1.3	5
3	Visual Attention of Anesthesia Providers in Simulated Anesthesia Emergencies Using Conventional Number-Based and Avatar-Based Patient Monitoring: Prospective Eye-Tracking Study. JMIR Serious Games, 2022, 10, e35642.	1.7	3
4	User Perceptions of Different Vital Signs Monitor Modalities During High-Fidelity Simulation: Semiquantitative Analysis. JMIR Human Factors, 2022, 9, e34677.	1.0	4
5	Anesthesia personnel's visual attention regarding patient monitoring in simulated non-critical and critical situations, an eye-tracking study. BMC Anesthesiology, 2022, 22, .	0.7	4
6	Faster Time to Treatment Decision of Viscoelastic Coagulation Test Results through Improved Perception with the Animated Visual Clot: A Multicenter Comparative Eye-Tracking Study. Diagnostics, 2022, 12, 1269.	1.3	7
7	The Haemostasis Traffic Light, a user‐centred coagulation management tool for acute bleeding situations: a simulation‐based randomised dual‐centre trial. Anaesthesia, 2021, 76, 902-910.	1.8	7
8	Physicians' perceptions regarding acute bleeding management: an international mixed qualitative quantitative study. BMC Anesthesiology, 2021, 21, 43.	0.7	2
9	Effects of an Animated Blood Clot Technology (Visual Clot) on the Decision-Making of Users Inexperienced in Viscoelastic Testing: Multicenter Trial. Journal of Medical Internet Research, 2021, 23, e27124.	2.1	9
10	Avatar-based patient monitoring in critical anaesthesia events: a randomised high-fidelity simulation study. British Journal of Anaesthesia, 2021, 126, 1046-1054.	1.5	26
11	Voice alerting as a medical alarm modality for next-generation patient monitoring: a randomised international multicentre trial. British Journal of Anaesthesia, 2021, 127, 769-777.	1.5	11
12	Effects of a standardized distraction on caregivers' perceptive performance with avatar-based and conventional patient monitoring: a multicenter comparative study. Journal of Clinical Monitoring and Computing, 2020, 34, 1369-1378.	0.7	14
13	Point-of-Care Diagnostics in Coagulation Management. Sensors, 2020, 20, 4254.	2.1	26
14	Improving decision making through presentation of viscoelastic tests as a 3D animated blood clot: the Visual Clot. Anaesthesia, 2020, 75, 1059-1069.	1.8	25
15	Avatar-based versus conventional vital sign display in a central monitor for monitoring multiple patients: a multicenter computer-based laboratory study. BMC Medical Informatics and Decision Making, 2020, 20, 26.	1.5	25
16	Situation Awareness-Oriented Patient Monitoring with Visual Patient Technology: A Qualitative Review of the Primary Research. Sensors, 2020, 20, 2112.	2.1	25
17	The Mechanisms Responsible for Improved Information Transfer in Avatar-Based Patient Monitoring: Multicenter Comparative Eye-Tracking Study. Journal of Medical Internet Research, 2020, 22, e15070.	2.1	21
18	Comparing Classroom Instruction to Individual Instruction as an Approach to Teach Avatar-Based Patient Monitoring With Visual Patient: Simulation Study. JMIR Medical Education, 2020, 6, e17922.	1.2	5

#	Article	IF	Citations
19	Physicians' Perceptions of a Situation Awareness–Oriented Visualization Technology for Viscoelastic Blood Coagulation Management (Visual Clot): Mixed Methods Study. JMIR Serious Games, 2020, 8, e19036.	1.7	9
20	Validation of the Raw National Aeronautics and Space Administration Task Load Index (NASA-TLX) Questionnaire to Assess Perceived Workload in Patient Monitoring Tasks: Pooled Analysis Study Using Mixed Models. Journal of Medical Internet Research, 2020, 22, e19472.	2.1	56
21	Correction: Comparing Classroom Instruction to Individual Instruction as an Approach to Teach Avatar-Based Patient Monitoring With Visual Patient: Simulation Study. JMIR Medical Education, 2020, 6, e24459.	1.2	1
22	It's not you, it's the design - common problems with patient monitoring reported by anesthesiologists: a mixed qualitative and quantitative study. BMC Anesthesiology, 2019, 19, 87.	0.7	18
23	Avatar-Based Patient Monitoring With Peripheral Vision: A Multicenter Comparative Eye-Tracking Study. Journal of Medical Internet Research, 2019, 21, e13041.	2.1	22
24	User perceptions of avatar-based patient monitoring: a mixed qualitative and quantitative study. BMC Anesthesiology, 2018, 18, 188.	0.7	29
25	Using an animated patient avatar to improve perception of vital sign information by anaesthesia professionals. British Journal of Anaesthesia, 2018, 121, 662-671.	1.5	39
26	Blind Intubation through Self-pressurized, Disposable Supraglottic Airway Laryngeal Intubation Masks. Anesthesiology, 2017, 127, 307-316.	1.3	17
27	Using educational video to enhance protocol adherence for medical procedures †€ †This manuscript was screened for plagiarism on September 19th, 2015 using Grammarly.com.. British Journal of Anaesthesia, 2016, 116, 662-669.	1.5	8
28	How to Conduct Multimethod Field Studies in the Operating Room: The iPad Combined With a Survey App as a Valid and Reliable Data Collection Tool. JMIR Research Protocols, 2016, 5, e4.	0.5	26
29	An Anesthesia Preinduction Checklist to Improve Information Exchange, Knowledge of Critical Information, Perception of Safety, and Possibly Perception of Teamwork in Anesthesia Teams. Anesthesia and Analgesia, 2015, 121, 948-956.	1.1	36
30	Comparison of 2 Informant Questionnaire Screening Tools for Dementia and Mild Cognitive Impairment. Alzheimer Disease and Associated Disorders, 2014, 28, 156-161.	0.6	46