

# Stefan Franke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8187305/publications.pdf>

Version: 2024-02-01

18  
papers

229  
citations

1307594

7  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intervention time prediction from surgical low-level tasks. Journal of Biomedical Informatics, 2013, 46, 152-159.	4.3	52
2	OR.NET: a service-oriented architecture for safe and dynamic medical device interoperability. Biomedizinische Technik, 2018, 63, 11-30.	0.8	49
3	Multi-perspective workflow modeling for online surgical situation models. Journal of Biomedical Informatics, 2015, 54, 158-166.	4.3	27
4	Connecting the clinical IT infrastructure to a service-oriented architecture of medical devices. Biomedizinische Technik, 2018, 63, 57-68.	0.8	18
5	The intelligent OR: design and validation of a context-aware surgical working environment. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1301-1308.	2.8	18
6	Extending BPMN 2.0 for intraoperative workflow modeling with IEEE 11073 SDC for description and orchestration of interoperable, networked medical devices. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1403-1413.	2.8	14
7	Rule-based medical device adaptation for the digital operating room. , 2015, 2015, 1733-6.		12
8	Enabling artificial intelligence in high acuity medical environments. Minimally Invasive Therapy and Allied Technologies, 2019, 28, 120-126.	1.2	12
9	Requirements for the structured recording of surgical device data in the digital operating room. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 49-57.	2.8	8
10	The Digital Twin: Modular Model-Based Approach to Personalized Medicine. Current Directions in Biomedical Engineering, 2021, 7, 223-226.	0.4	6
11	From SOMDA to application " integration strategies in the OR.NET demonstration sites. Biomedizinische Technik, 2018, 63, 69-80.	0.8	4
12	Modeling and processing up-to-dateness of patient information in probabilistic therapy decision support. Artificial Intelligence in Medicine, 2020, 104, 101842.	6.5	3
13	Towards structuring contextual information for workflow-driven surgical assistance functionalities. Current Directions in Biomedical Engineering, 2015, 1, 168-171.	0.4	2
14	Context-aware medical technologies - relief or burden for clinical users?. Current Directions in Biomedical Engineering, 2018, 4, 119-122.	0.4	2
15	Context-awareness for control consoles in integrated operating rooms. Current Directions in Biomedical Engineering, 2018, 4, 291-295.	0.4	2
16	Clear oxygen-level forecasts during anaesthesia. Nature Biomedical Engineering, 2018, 2, 715-716.	22.5	0
17	Closed-loop approach for situation awareness of medical devices and operating room infrastructure. Current Directions in Biomedical Engineering, 2015, 1, 176-179.	0.4	0
18	A Method for the Context-Aware Assignment of Medical Device Functions to Input Devices in Integrated Operating Rooms. Lecture Notes in Computer Science, 2018, , 12-19.	1.3	0