

# Michael Kranzfelder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5494028/publications.pdf>

Version: 2024-02-01

24  
papers

721  
citations

687363

13  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surgical data science for next-generation interventions. <i>Nature Biomedical Engineering</i> , 2017, 1, 691-696.	22.5	283
2	Chylothorax after esophagectomy for cancer: impact of the surgical approach and neoadjuvant treatment: systematic review and institutional analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 3530-3538.	2.4	52
3	Real-time instrument detection in minimally invasive surgery using radiofrequency identification technology. <i>Journal of Surgical Research</i> , 2013, 185, 704-710.	1.6	47
4	Toward increased autonomy in the surgical OR: needs, requests, and expectations. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 1681-1688.	2.4	44
5	Real-Time Monitoring for Detection of Retained Surgical Sponges and Team Motion in the Surgical Operation Room Using Radio-Frequency-Identification (RFID) Technology: A Preclinical Evaluation. <i>Journal of Surgical Research</i> , 2012, 175, 191-198.	1.6	41
6	Random Forests for Phase Detection in Surgical Workflow Analysis. <i>Lecture Notes in Computer Science</i> , 2014, , 148-157.	1.3	36
7	Endoluminal perforation of a magnetic antireflux device. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 3806-3810.	2.4	33
8	New technologies for information retrieval to achieve situational awareness and higher patient safety in the surgical operating room: the MRI institutional approach and review of the literature. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 696-705.	2.4	32
9	Treatment Options for Squamous Cell Cancer of the Esophagus: A Systematic Review of the Literature. <i>Journal of the American College of Surgeons</i> , 2010, 210, 351-359.	0.5	19
10	Surgical data processing for smart intraoperative assistance systems. <i>Innovative Surgical Sciences</i> , 2017, 2, 145-152.	0.7	17
11	Reliability of sensor-based real-time workflow recognition in laparoscopic cholecystectomy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 941-948.	2.8	16
12	Amelanotic Esophageal Malignant Melanoma: Case Report and Short Review of the Literature. <i>Case Reports in Gastroenterology</i> , 2008, 2, 224-231.	0.6	14
13	Surgery 4.0. , 2017, , 91-107.		14
14	5th-Generation Mobile Communication: Data Highway for Surgery 4.0. <i>Surgical Technology International</i> , 2019, 35, 36-42.	0.2	14
15	Developments in flexible endoscopic surgery: a review. <i>Clinical and Experimental Gastroenterology</i> , 2014, 8, 31.	2.3	13
16	Emergency Telemedicine Mobile Ultrasounds Using a 5G-Enabled Application: Development and Usability Study. <i>JMIR Formative Research</i> , 2022, 6, e36824.	1.4	12
17	Feasibility of opto-electronic surgical instrument identification. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2009, 18, 253-258.	1.2	9
18	Enhanced Visualization: From Intraoperative Tissue Differentiation to Augmented Reality. <i>Visceral Medicine</i> , 2018, 34, 52-59.	1.3	7

#	ARTICLE	IF	CITATIONS
19	What Do We Really Need? Visions of an Ideal Human-Machine Interface for NOTES Mechatronic Support Systems From the View of Surgeons, Gastroenterologists, and Medical Engineers. <i>Surgical Innovation</i> , 2015, 22, 432-440.	0.9	6
20	A probe-based electromagnetic navigation system to integrate computed tomography during upper gastrointestinal endoscopy. <i>Endoscopy</i> , 2014, 46, 302-305.	1.8	5
21	CT-navigated real-time ultrasonography: evaluation of registration accuracy for clinical application / CT-navigierter Ultraschall: Evaluation der Registrierungsgenauigkeit für den klinischen Einsatz. <i>Biomedizinische Technik</i> , 2008, 53, 279-284.	0.8	3
22	Design of a Test System for the Development of Advanced Video Chips and Software Algorithms. <i>Surgical Innovation</i> , 2015, 22, 155-162.	0.9	2
23	Effective operating room (OR) utilization by performing low-complex surgical procedures during the 2020 corona pandemic. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1357-1359.	2.8	1
24	Machine Learning in the OR: A Collaborative Environment for Surgical Interventions in Visceral Medicine. <i>Surgical Technology International</i> , 2020, 37, 16-21.	0.2	0