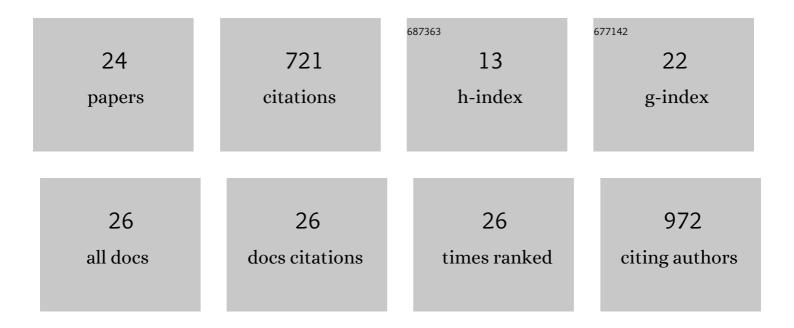
Michael Kranzfelder

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Surgical data science for next-generation interventions. Nature Biomedical Engineering, 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. Surgical Endoscopy and Other Interventional Techniques, 2013, 27, 3530-3538.	2.4	52
3	Real-time instrument detection in minimally invasive surgery using radiofrequency identification technology. Journal of Surgical Research, 2013, 185, 704-710.	1.6	47
4	Toward increased autonomy in the surgical OR: needs, requests, and expectations. Surgical Endoscopy and Other Interventional Techniques, 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. Journal of Surgical Research, 2012, 175, 191-198.	1.6	41
6	Random Forests for Phase Detection in Surgical Workflow Analysis. Lecture Notes in Computer Science, 2014, , 148-157.	1.3	36
7	Endoluminal perforation of a magnetic antireflux device. Surgical Endoscopy and Other Interventional Techniques, 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. Surgical Endoscopy and Other Interventional Techniques, 2011, 25, 696-705.	2.4	32
9	Treatment Options for Squamous Cell Cancer of the Esophagus: A Systematic Review of the Literature. Journal of the American College of Surgeons, 2010, 210, 351-359.	0.5	19
10	Surgical data processing for smart intraoperative assistance systems. Innovative Surgical Sciences, 2017, 2, 145-152.	0.7	17
11	Reliability of sensor-based real-time workflow recognition in laparoscopic cholecystectomy. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 941-948.	2.8	16
12	Amelanotic Esophageal Malignant Melanoma: Case Report and Short Review of the Literature. Case Reports in Gastroenterology, 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. Surgical Technology International, 2019, 35, 36-42.	0.2	14
15	Developments in flexible endoscopic surgery: a review. Clinical and Experimental Gastroenterology, 2014, 8, 31.	2.3	13
16	Emergency Telemedicine Mobile Ultrasounds Using a 5G-Enabled Application: Development and Usability Study. JMIR Formative Research, 2022, 6, e36824.	1.4	12
17	Feasibility of opto-electronic surgical instrument identification. Minimally Invasive Therapy and Allied Technologies, 2009, 18, 253-258.	1.2	9
18	Enhanced Visualization: From Intraoperative Tissue Differentiation to Augmented Reality. Visceral Medicine, 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. Surgical Innovation, 2015, 22, 432-440.	0.9	6
20	A probe-based electromagnetic navigation system to integrate computed tomography during upper gastrointestinal endoscopy. Endoscopy, 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. Biomedizinische Technik, 2008, 53, 279-284.	0.8	3
22	Design of a Test System for the Development of Advanced Video Chips and Software Algorithms. Surgical Innovation, 2015, 22, 155-162.	0.9	2
23	Effective operating room (OR) utilization by performing low-complex surgical procedures during the 2020 corona pandemic. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1357-1359.	2.8	1
24	Machine Learning in the OR: A Collaborative Environment for Surgical Interventions in Visceral Medicine. Surgical Technology International, 2020, 37, 16-21.	0.2	0