Anand O Malpani

List of Publications by Year
in descending order

20 papers	771 citations	759233 12 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	817 citing authors

#	Article	IF	Citations
1	Eye Tracking and Motion Data Predict Endoscopic Sinus Surgery Skill. Laryngoscope, 2023, 133, 500-505.	2.0	3
2	Surgical data science – from concepts toward clinical translation. Medical Image Analysis, 2022, 76, 102306.	11.6	107
3	Do Attending and Trainee Surgeons Agree on What Happens in the Operating Room During Septoplasty?. Facial Plastic Surgery and Aesthetic Medicine, 2022, , .	0.9	1
4	Virtual Reality Simulation Has Weak Correlation with Overall Trainee Robot-Assisted Laparoscopic Hysterectomy Performance. Journal of Minimally Invasive Gynecology, 2022, 29, 507-518.	0.6	2
5	Reconstructing the nasal septum from instrument motion during septoplasty surgery. Journal of Medical Imaging, 2021, 8, 065001.	1.5	0
6	Effect of real-time virtual reality-based teaching cues on learning needle passing for robot-assisted minimally invasive surgery: a randomized controlled trial. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1187-1194.	2.8	12
7	Segmenting and classifying activities in robot-assisted surgery with recurrent neural networks. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2005-2020.	2.8	40
8	Association Between Surgical Trainee Daytime Sleepiness and Intraoperative Technical Skill When Performing Septoplasty. JAMA Facial Plastic Surgery, 2019, 21, 104-109.	2.1	3
9	Crowdsourcing Annotation of Surgical Instruments in Videos of Cataract Surgery. Lecture Notes in Computer Science, 2018, , 121-130.	1.3	5
10	Surgical data science for next-generation interventions. Nature Biomedical Engineering, 2017, 1, 691-696.	22.5	283
11	Analysis of the Structure of Surgical Activity for a Suturing and Knot-Tying Task. PLoS ONE, 2016, 11, e0149174.	2.5	24
12	Virtual fixture assistance for needle passing and knot tying. , 2016, , .		26
13	Task-Level vs. Segment-Level Quantitative Metrics for Surgical Skill Assessment. Journal of Surgical Education, 2016, 73, 482-489.	2.5	26
14	System events: readily accessible features for surgical phase detection. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1201-1209.	2.8	21
15	Recognizing Surgical Activities with Recurrent Neural Networks. Lecture Notes in Computer Science, 2016, , 551-558.	1.3	72
16	A study of crowdsourced segment-level surgical skill assessment using pairwise rankings. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1435-1447.	2.8	37
17	Warm-Up Before Robotic Hysterectomy Does Not Improve Trainee Operative Performance: A Randomized Trial. Journal of Minimally Invasive Gynecology, 2015, 22, S34.	0.6	2
18	Pairwise Comparison-Based Objective Score for Automated Skill Assessment of Segments in a Surgical Task. Lecture Notes in Computer Science, 2014, , 138-147.	1.3	23

#	Article	IF	Citations
19	Objective assessment in residency‐based training for transoral robotic surgery. Laryngoscope, 2012, 122, 2184-2192.	2.0	45
20	Assessing system operation skills in robotic surgery trainees. International Journal of Medical Robotics and Computer Assisted Surgery, 2012, 8, 118-124.	2.3	39