

Anand O Malpani

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Surgical data science for next-generation interventions. <i>Nature Biomedical Engineering</i> , 2017, 1, 691-696. | 22.5 | 283 |
| 2 | Surgical data science “ from concepts toward clinical translation. <i>Medical Image Analysis</i> , 2022, 76, 102306. | 11.6 | 107 |
| 3 | Recognizing Surgical Activities with Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2016, , 551-558. | 1.3 | 72 |
| 4 | Objective assessment in residency-based training for transoral robotic surgery. <i>Laryngoscope</i> , 2012, 122, 2184-2192. | 2.0 | 45 |
| 5 | Segmenting and classifying activities in robot-assisted surgery with recurrent neural networks. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 2005-2020. | 2.8 | 40 |
| 6 | Assessing system operation skills in robotic surgery trainees. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2012, 8, 118-124. | 2.3 | 39 |
| 7 | A study of crowdsourced segment-level surgical skill assessment using pairwise rankings. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1435-1447. | 2.8 | 37 |
| 8 | Virtual fixture assistance for needle passing and knot tying. , 2016, , . | | 26 |
| 9 | Task-Level vs. Segment-Level Quantitative Metrics for Surgical Skill Assessment. <i>Journal of Surgical Education</i> , 2016, 73, 482-489. | 2.5 | 26 |
| 10 | Analysis of the Structure of Surgical Activity for a Suturing and Knot-Tying Task. <i>PLoS ONE</i> , 2016, 11, e0149174. | 2.5 | 24 |
| 11 | Pairwise Comparison-Based Objective Score for Automated Skill Assessment of Segments in a Surgical Task. <i>Lecture Notes in Computer Science</i> , 2014, , 138-147. | 1.3 | 23 |
| 12 | System events: readily accessible features for surgical phase detection. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1201-1209. | 2.8 | 21 |
| 13 | Effect of real-time virtual reality-based teaching cues on learning needle passing for robot-assisted minimally invasive surgery: a randomized controlled trial. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1187-1194. | 2.8 | 12 |
| 14 | Crowdsourcing Annotation of Surgical Instruments in Videos of Cataract Surgery. <i>Lecture Notes in Computer Science</i> , 2018, , 121-130. | 1.3 | 5 |
| 15 | Association Between Surgical Trainee Daytime Sleepiness and Intraoperative Technical Skill When Performing Septoplasty. <i>JAMA Facial Plastic Surgery</i> , 2019, 21, 104-109. | 2.1 | 3 |
| 16 | Eye Tracking and Motion Data Predict Endoscopic Sinus Surgery Skill. <i>Laryngoscope</i> , 2023, 133, 500-505. | 2.0 | 3 |
| 17 | Warm-Up Before Robotic Hysterectomy Does Not Improve Trainee Operative Performance: A Randomized Trial. <i>Journal of Minimally Invasive Gynecology</i> , 2015, 22, S34. | 0.6 | 2 |
| 18 | Virtual Reality Simulation Has Weak Correlation with Overall Trainee Robot-Assisted Laparoscopic Hysterectomy Performance. <i>Journal of Minimally Invasive Gynecology</i> , 2022, 29, 507-518. | 0.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Reconstructing the nasal septum from instrument motion during septoplasty surgery. Journal of Medical Imaging, 2021, 8, 065001. | 1.5 | 0 |