

# Xinyang Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

131  
citations

1478505

6  
h-index

1281871

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laparoscopic stereoscopic augmented reality: toward a clinically viable electromagnetic tracking solution. <i>Journal of Medical Imaging</i> , 2016, 3, 045001.	1.5	19
2	High Repetition Rate All-Solid-State Pulsed 2 $\mu$ m Laser Based on Selenide Molybdenum Saturable Absorber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-6.	2.9	18
3	On-demand calibration and evaluation for electromagnetically tracked laparoscope in augmented reality visualization. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1163-1171.	2.8	15
4	Ferroferric-Oxide Nanoparticle Based Optical Modulator for 2- $\mu$ m Spectral Region. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 777-780.	2.5	13
5	Fast calibration of electromagnetically tracked oblique-viewing rigid endoscopes. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 1685-1695.	2.8	10
6	Weakly supervised segmentation for real-time surgical tool tracking. <i>Healthcare Technology Letters</i> , 2019, 6, 231-236.	3.3	9
7	Hybrid electromagnetic-ArUco tracking of laparoscopic ultrasound transducer in laparoscopic video. <i>Journal of Medical Imaging</i> , 2021, 8, 015001.	1.5	8
8	Self-assembled gold nanoparticles as saturable absorber for low-threshold all-solid-state pulsed 2 $\mu$ m laser. <i>Optical Materials</i> , 2018, 83, 82-86.	3.6	6
9	Newborn Daily Crying Time Duration. <i>Journal of Pediatric Nursing</i> , 2021, 56, 35-37.	1.5	6
10	Silicon-nanoparticle-based broadband optical modulators for solid-state lasers. <i>Optics Letters</i> , 2018, 43, 5957.	3.3	6
11	Visualization of the Supraglottis in Laryngomalacia With 3-Dimensional Pediatric Endoscopy. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2016, 142, 258.	2.2	5
12	Segmentation of surgical instruments in laparoscopic videos: training dataset generation and deep-learning-based framework. , 2019, , .		5
13	Diode-pumped passively mode-locked Nd:GdYTaO <sub>4</sub> laser with SESAM. <i>Laser Physics Letters</i> , 2018, 15, 125801.	1.4	3
14	Preclinical evaluation of ultrasound-augmented needle navigation for laparoscopic liver ablation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 803-810.	2.8	3
15	Amplifier similariton fiber laser with hybrid-mode-locking technique. <i>Optics Express</i> , 2021, 29, 34977-34985.	3.4	3
16	GPS Laparoscopic Ultrasound: Embedding an Electromagnetic Sensor in a Laparoscopic Ultrasound Transducer. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 989-997.	1.5	2
17	DIPG-48. MRI volumetric and machine learning based analyses predict survival outcome in pediatric diffuse midline glioma. <i>Neuro-Oncology</i> , 2022, 24, i29-i29.	1.2	0