

Shinya Onogi

List of Publications by Year in descending order

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24
papers

167
citations

1307594

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1125743

13
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24
all docs

24
docs citations

24
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	A new robotic-assisted flexible endoscope with single-hand control: endoscopic submucosal dissection in the ex vivo porcine stomach. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 3386-3392.	2.4	43
2	Surgical Robot for Intraluminal Access: An <i>Ex Vivo</i> Feasibility Study. <i>Cyborg and Bionic Systems</i> , 2020, 2020, .	7.9	24
3	Loss Weightings for Improving Imbalanced Brain Structure Segmentation Using Fully Convolutional Networks. <i>Healthcare (Switzerland)</i> , 2021, 9, 938.	2.0	22
4	A fluorolaser navigation system to guide linear surgical tool insertion. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 931-939.	2.8	13
5	Improving the strength of sutureless laser-assisted vessel repair using preloaded longitudinal compression on tissue edge. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 533-538.	2.1	12
6	Robotic ultrasound probe handling auxiliary by active compliance control. <i>Advanced Robotics</i> , 2013, 27, 503-512.	1.8	10
7	Robotic Ultrasound Guidance by B-scan Plane Positioning Control. <i>Procedia CIRP</i> , 2013, 5, 100-103.	1.9	7
8	Fluoroscopy-based laser guidance system for linear surgical tool insertion depth control. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 275-283.	2.8	7
9	Registration using 3D-printed rigid templates outperforms manually scanned surface matching in image-guided temporal bone surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 2119-2127.	2.8	6
10	An accurate calibration method of ultrasound images by center positions of a metal ball. , 2012, 2012, 468-71.		5
11	Investigation of Shape-from-Focus Precision by Texture Frequency Analysis. <i>Electronics (Switzerland)</i> , 2021, 10, 1870.	3.1	5
12	Forming acoustic attraction force to concentrate microbubbles in flow using a matrix array transducer. , 2014, , .		4
13	A Small and High-Speed Driving Mechanism for 3D Shape Measurement in Monocular Endoscopy. <i>Sensors</i> , 2021, 21, 4887.	3.8	3
14	Production of acoustic field with multiple focal points to control high amount of microbubbles in flow using a 2D array transducer. , 2013, 2013, 6285-8.		2
15	Reconstruction of three-dimensional blood vessel network using multiple ultrasound volumes constructed by weighted fusion between B-mode and Doppler-mode. , 2017, , .		1
16	Suction-fixing surgical device for assisting liver manipulation with laparoscopic forceps. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1653-1664.	2.8	1
17	Label cleaning and propagation for improved segmentation performance using fully convolutional networks. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 349-361.	2.8	1
18	Development of a Self-Propelled Colonoscope Robot with a Conical Worm Gear Mechanism. <i>Journal of Japan Society of Computer Aided Surgery</i> , 2019, 21, 5-11.	0.0	1

#	ARTICLE	IF	CITATIONS
19	Surface contact control of ultrasonic therapy device on patient body surface using parallel-link robot. Journal of Japan Society of Computer Aided Surgery, 2016, 17, 343-354.	0.0	0
20	Brief Survey of Recent Intra-operative Ultrasound Imaging. Journal of Japan Society of Computer Aided Surgery, 2016, 18, 152-153.	0.0	0
21	Laparoscopic ultrasound manipulator with a spring-based elastic mechanism. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1063-1072.	2.8	0
22	Improvement of a Tunable Stiffness Organ-Grasping Device by Design of a Wavy-Shaped Beam Structure. Applied Sciences (Switzerland), 2021, 11, 4581.	2.5	0
23	Complex-Valued Wavelet Spectrum Analysis of Respiratory Conditions and Its Feasibility in the Detection of Low-Functional Respiration. Healthcare (Switzerland), 2021, 9, 981.	2.0	0
24	Detection of Longitudinal-Section View of Blood Vessels in Laparoscopic Ultrasound Image. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 265-266.	0.0	0