

Review of emerging surgical robotic technology

Surgical Endoscopy and Other Interventional Techniques
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Citation Report

#	ARTICLE	IF	CITATIONS
1	Comparison of the Control Designs of an Human Co-Working Endoscope Holder. , 2018, , .		1
2	A hierarchically patterned, bioinspired e-skin able to detect the direction of applied pressure for robotics. Science Robotics, 2018, 3, .	9.9	568
3	Surgical Endoscopy: Future Directions. Digestive Disease Interventions, 2018, 02, 383-387.	0.3	0
4	Gasless Robot-Assisted Nipple-Sparing Mastectomy: A Case Report. Journal of Breast Cancer, 2018, 21, 334.	0.8	25
5	Tech-trends in orthopedics 2018. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 475-476.	1.2	5
6	New era of robotic surgical systems. Asian Journal of Endoscopic Surgery, 2018, 11, 291-299.	0.4	35
7	Minimally Invasive Surgery in Pediatric Urology. Urologic Clinics of North America, 2018, 45, 611-621.	0.8	4
8	The future of robotic surgery. Annals of the Royal College of Surgeons of England, 2018, 100, 4-13.	0.3	75
9	Intelligent Information-Guided Robotic Surgery. , 2018, , .		1
10	Direct target NOTES: prospective applications for next generation robotic platforms. Techniques in Coloproctology, 2018, 22, 363-371.	0.8	38
11	Medrobotics <sc>F</sc>lex transanal excision of a rectal gastrointestinal stromal tumour: first video of the transanal <sc>F</sc>lex robot used in a human â€“ a video vignette. Colorectal Disease, 2018, 20, 1048-1049.	0.7	16
12	The Application of Medical Artificial Intelligence Technology in Rural Areas of Developing Countries. Health Equity, 2018, 2, 174-181.	0.8	190
13	Low confidence levels with the robotic platform among senior surgical residents: simulation training is needed. Journal of Robotic Surgery, 2019, 13, 155-158.	1.0	15
14	Mesoscale Shape Memory Alloy Actuator for Visual Clarity of Surgical Cameras in Minimally Invasive Robotic Surgery. IEEE Transactions on Medical Robotics and Bionics, 2019, 1, 135-144.	2.1	6
15	The Future of Robotic Surgery in Pediatric Urology: Upcoming Technology and Evolution Within the Field. Frontiers in Pediatrics, 2019, 7, 259.	0.9	24
16	Translational prospects of untethered medical microrobots. Progress in Biomedical Engineering, 2019, 1, 012002.	2.8	120
17	Machine Learning for Haptics: Inferring Multi-Contact Stimulation From Sparse Sensor Configuration. Frontiers in Neurorobotics, 2019, 13, 51.	1.6	11
18	A new modular mechanism that allows full detachability and cleaning of steerable laparoscopic instruments. Surgical Endoscopy and Other Interventional Techniques, 2019, 33, 3484-3493.	1.3	24

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20	Smart healthcare: making medical care more intelligent. Global Health Journal (Amsterdam,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFF	0.9	372
22	Bronchoscopic management of peripheral pulmonary lesions: robotic approach paves the way to the future. BMC Pulmonary Medicine, 2019, 19, 166.	0.8	7
23	Reinforcement Design for Newton-Level High Force Generated by Bending Motion of Soft Microactuator. , 2019, , .		3
24	Robotic-assisted stereotactic real-time navigation: initial clinical experience and feasibility for rectal cancer surgery. Techniques in Coloproctology, 2019, 23, 53-63.	0.8	34
25	Robotic-assisted surgical endoscopy: a new era for endoluminal therapies. VideoGIE, 2019, 4, 399-402.	0.3	20
26	Assessment of the Versius surgical robotic system for dual-field synchronous transanal total mesorectal excision (taTME) in a preclinical model: will tomorrow's surgical robots promise newfound options?. Techniques in Coloproctology, 2019, 23, 471-477.	0.8	35
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28	Robot-assisted endoscopic submucosal dissection versus conventional ESD for colorectal lesions: outcomes of a randomized pilot study in endoscopists without prior ESD experience (with video). Gastrointestinal Endoscopy, 2019, 90, 290-298.	0.5	60
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32	Emerging next-generation robotic colonoscopy systems towards painless colonoscopy. Journal of Digestive Diseases, 2019, 20, 196-205.	0.7	23
33	Adopting Robotics Training into a General Surgery Residency Curriculum: Where Are We Now?. Current Surgery Reports, 2019, 7, 1.	0.4	1
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35	Introductory Chapter: Addressing the Challenges of Laparoscopic Surgery. , 0, , .		3
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37	3D Printed Single Incision Laparoscopic Manipulator System Adapted to the Required Forces in Laparoscopic Surgery. , 2019, , .		4

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39	Updates and Controversies of Robotic-Assisted Surgery in Gynecologic Surgery. <i>Clinical Obstetrics and Gynecology</i> , 2019, 62, 733-748.	0.6	29
40	On the Preliminary Design of a Portable Manipulation System for Commercial Robotic Surgery Forceps. , 2019, , .		1
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43	Early experience with the Senhance®-laparoscopic/robotic platform in the US. <i>Journal of Robotic Surgery</i> , 2019, 13, 357-359.	1.0	36
44	Ergonomics of minimally invasive surgery: an analysis of muscle effort and fatigue in the operating room between laparoscopic and robotic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 2323-2331.	1.3	53
45	Robotic Versus Open Minor Liver Resections of the Posterosuperior Segments: A Multinational, Propensity Score-Matched Study. <i>Annals of Surgical Oncology</i> , 2019, 26, 583-590.	0.7	54
46	A roadmap for robotic-assisted sigmoid resection in diverticular disease using a Senhance® Surgical Robotic System: results and technical aspects. <i>Journal of Robotic Surgery</i> , 2020, 14, 297-304.	1.0	24
47	A comprehensive review of robotic surgery curriculum and training for residents, fellows, and postgraduate surgical education. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 361-367.	1.3	114
48	Single-port robotic surgery: the next generation of minimally invasive urology. <i>World Journal of Urology</i> , 2020, 38, 897-905.	1.2	83
49	Bronchoscopic navigation and tissue diagnosis. <i>General Thoracic and Cardiovascular Surgery</i> , 2020, 68, 672-678.	0.4	24
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75	Laparoscopic Robotic Surgery: Current Perspective and Future Directions. Robotics, 2020, 9, 42.	2.1	28

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85	Chinese surgical robot micro hand S: A consecutive case series in general surgery. <i>International Journal of Surgery</i> , 2020, 75, 55-59.	1.1	22
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