

Makoto Hashizume

List of Publications by Year in descending order

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Version: 2024-02-01

344
papers

9,124
citations

44069

48
h-index

69250

77
g-index

349
all docs

349
docs citations

349
times ranked

8948
citing authors

#	ARTICLE	IF	CITATIONS
1	Surgical data science “ from concepts toward clinical translation. <i>Medical Image Analysis</i> , 2022, 76, 102306.	11.6	107
2	The skill qualification system for portal hypertension in Japan. <i>DEN Open</i> , 2022, 2, e74.	0.9	0
3	Clinical Applications of MCA to Surgery. , 2022, , 81-87.		0
4	Asymmetrical surface scanning registration for image-guided otologic surgery: A phantom study. <i>Nihon Jibi Inkoka Tokeibu Geka Gakkai Kaiho</i> , 2022, 125, 213-214.	0.1	0
5	Histidine-Rich Glycoprotein Alleviates Liver Ischemia/Reperfusion Injury in Mice With Nonalcoholic Steatohepatitis. <i>Liver Transplantation</i> , 2021, 27, 840-853.	2.4	12
6	Perspective for Future Medicine: Multidisciplinary Computational Anatomy-Based Medicine with Artificial Intelligence. <i>Cyborg and Bionic Systems</i> , 2021, 2021, .	7.9	11
7	Development of 20Åcm sample bore size dynamic nuclear polarization (DNP)-MRI at 16ÅmT and redox metabolic imaging of acute hepatitis rat model. <i>Free Radical Biology and Medicine</i> , 2021, 169, 149-157.	2.9	0
8	Reflectance spectra analysis for mucous assessment. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 822-834.	2.0	0
9	Neutrophil extracellular traps promote liver micrometastasis in pancreatic ductal adenocarcinoma via the activation of cancer-associated fibroblasts. <i>International Journal of Oncology</i> , 2020, 56, 596-605.	3.3	42
10	Current status of endoscopic surgery in Japan: The 14th National Survey of Endoscopic Surgery by the Japan Society for Endoscopic Surgery. <i>Asian Journal of Endoscopic Surgery</i> , 2020, 13, 7-18.	0.9	72
11	Self-Propelled Colonoscopy Robot Using Flexible Paddles. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 6710-6716.	5.1	11
12	Sodium thiosulfate prevents doxorubicin-induced DNA damage and apoptosis in cardiomyocytes in mice. <i>Life Sciences</i> , 2020, 257, 118074.	4.3	22
13	Exosomes from adipose tissue-derived mesenchymal stem cells ameliorate histone-induced acute lung injury by activating the PI3K/Akt pathway in endothelial cells. <i>Stem Cell Research and Therapy</i> , 2020, 11, 508.	5.5	41
14	Asymmetrical surface scanning registration for image-guided otologic surgery: A phantom study. <i>Auris Nasus Larynx</i> , 2020, 47, 574-579.	1.2	3
15	Surgical Navigation Improves Renal Parenchyma Volume Preservation in Robot-Assisted Partial Nephrectomy: A Propensity Score Matched Comparative Analysis. <i>Journal of Urology</i> , 2020, 204, 149-156.	0.4	14
16	Reply by Authors. <i>Journal of Urology</i> , 2020, 204, 156-156.	0.4	0
17	Surgical Robot for Intraluminal Access: An <i>Ex Vivo</i> Feasibility Study. <i>Cyborg and Bionic Systems</i> , 2020, 2020, .	7.9	24
18	Principles and development of collagen-mediated tissue fusion induced by laser irradiation. <i>Scientific Reports</i> , 2019, 9, 9383.	3.3	8

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19	Successful use of flexible silicone mesh for management of prolonged open abdomen. <i>Acute Medicine & Surgery</i> , 2019, 6, 400-403.	1.2	0
20	Effectiveness of Mechanical Design Optimization Using a Human-in-the-Loop Simulator for the Development of a Pediatric Surgical Robot. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4136.	2.5	1
21	Comparison of Feature Vector Compositions to Enhance the Performance of NIRS-BCI-Triggered Robotic Hand Orthosis for Post-Stroke Motor Recovery. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3845.	2.5	10
22	Endoscopic surgery in Japan: The 13th national survey (2014-2015) by the Japan Society for Endoscopic Surgery. <i>Asian Journal of Endoscopic Surgery</i> , 2019, 12, 7-18.	0.9	42
23	Inhibition of ERK1/2 in cancer-associated pancreatic stellate cells suppresses cancer-stromal interaction and metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 221.	8.6	61
24	Efficacy of Novel Multispectral Imaging Device to Determine Anastomosis for Esophagogastrostomy. <i>Journal of Surgical Research</i> , 2019, 242, 11-22.	1.6	12
25	Efficient multi-parameter calibration method for CVC assist robot with servo-navigation system. <i>Journal of Engineering</i> , 2019, 2019, 536-542.	1.1	3
26	Japanese periodical nationwide epidemiologic survey of aberrant portal hemodynamics. <i>Hepatology Research</i> , 2019, 49, 890-901.	3.4	10
27	CD110 promotes pancreatic cancer progression and its expression is correlated with poor prognosis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1147-1164.	2.5	8
28	In-vivo and in-vitro mechanical properties of pig liver during needle puncture for needle insertion. , 2019, , .		3
29	Adipose tissue-derived stromal cells are sources of cancer-associated fibroblasts and enhance tumor progression by dense collagen matrix. <i>International Journal of Cancer</i> , 2019, 144, 1401-1413.	5.1	23
30	Colorectal endoscopic submucosal dissection using novel articulating devices: a comparative study in a live porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 651-657.	2.4	14
31	Objective assessment of robotic suturing skills with a new computerized system: A step forward in the training of robotic surgeons. <i>Asian Journal of Endoscopic Surgery</i> , 2019, 12, 388-395.	0.9	4
32	Detection of pancreatic tumor cell nuclei via a hyperspectral analysis of pathological slides based on stain spectra. <i>Biomedical Optics Express</i> , 2019, 10, 4568.	2.9	20
33	Freehand 3D Ultrasound Technique for Ultrasound Navigation. <i>Journal of Japan Society of Computer Aided Surgery</i> , 2019, 21, 75-80.	0.0	0
34	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
35	Laparoscopic ultrasound manipulator with a spring-based elastic mechanism. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1063-1072.	2.8	0
36	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

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37	Postmortem interval estimation using the animal model of postmortem gas volume changes. <i>Legal Medicine</i> , 2018, 32, 66-70.	1.3	10
38	Basement membrane destruction by pancreatic stellate cells leads to local invasion in pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , 2018, 425, 65-77.	7.2	57
39	Ultrasensitive MRI detection of spontaneous pancreatic tumors with nanocage-based targeted contrast agent. <i>Biomaterials</i> , 2018, 152, 37-46.	11.4	29
40	Pancreatic stellate cells reorganize matrix components and lead pancreatic cancer invasion via the function of Endo180. <i>Cancer Letters</i> , 2018, 412, 143-154.	7.2	33
41	A novel histological examination with dynamic three-dimensional reconstruction from multiple immunohistochemically stained sections of a PD-L1-positive colon cancer. <i>Histopathology</i> , 2018, 72, 697-703.	2.9	12
42	Patient-tailored classification for a NIRS triggered hand rehabilitation robot. , 2018, , .		1
43	Intelligent Information-Guided Robotic Surgery. , 2018, , .		1
44	Visualizing Energy Charge in Breast Carcinoma Tissues by MALDI Mass-spectrometry Imaging Profiles of Low-molecular-weight Metabolites. <i>Anticancer Research</i> , 2018, 38, 4267-4272.	1.1	10
45	Feasibility of an AI-Based Measure of the Hand Motions of Expert and Novice Surgeons. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-6.	1.3	27
46	Regulatory Science on AI-based Medical Devices and Systems. <i>Advanced Biomedical Engineering</i> , 2018, 7, 118-123.	0.6	32
47	Current Status of Computer Technologies for Gastroenterological Surgery. <i>Journal of Japan Society of Computer Aided Surgery</i> , 2018, 20, 151-153.	0.0	0
48	Three-dimensional target tracking and autonomous positioning using probe-holding robot. <i>Choonpa Igaku</i> , 2018, 45, 149-157.	0.0	1
49	Spherical and Non-Spherical Combined Two Degree-of-Freedom Rotational Parallel Mechanism for a Microsurgical Robotic System. <i>Journal of Robotics and Mechatronics</i> , 2018, 30, 846-854.	1.0	1
50	Autophagy Is Required for Activation of Pancreatic Stellate Cells, Associated With Pancreatic Cancer Progression and Promotes Growth of Pancreatic Tumors in Mice. <i>Gastroenterology</i> , 2017, 152, 1492-1506.e24.	1.3	171
51	The usefulness of arcuate fasciculus tractography integrated navigation for glioma surgery near the language area; Clinical Investigation. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2017, 7, 22-28.	0.3	1
52	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
53	Cancer-associated peritoneal mesothelial cells lead the formation of pancreatic cancer peritoneal dissemination. <i>International Journal of Oncology</i> , 2017, 50, 457-467.	3.3	6
54	Successful Hospital Evacuation After the Kumamoto Earthquakes, Japan, 2016. <i>Disaster Medicine and Public Health Preparedness</i> , 2017, 11, 517-521.	1.3	12

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55	Novel imaging using a touchless display for computer-assisted hepato-biliary surgery. <i>Surgery Today</i> , 2017, 47, 1512-1518.	1.5	2
56	Development of a Japanese version of the Somatic Symptom Scale-8: Psychometric validity and internal consistency. <i>General Hospital Psychiatry</i> , 2017, 45, 7-11.	2.4	37
57	Endoscopic surgery in Japan: The 12th national survey(2012-2013) by the Japan Society for Endoscopic Surgery. <i>Asian Journal of Endoscopic Surgery</i> , 2017, 10, 345-353.	0.9	38
58	Surgical data science for next-generation interventions. <i>Nature Biomedical Engineering</i> , 2017, 1, 691-696.	22.5	283
59	In vivo redox metabolic imaging of mitochondria assesses disease progression in non-alcoholic steatohepatitis. <i>Scientific Reports</i> , 2017, 7, 17170.	3.3	18
60	A new innovative laparoscopic fundoplication training simulator with a surgical skill validation system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 1688-1696.	2.4	26
61	Preoperative simulation unveiled undetected surgical difficulties in a case of cochlear implantation. <i>BMJ Case Reports</i> , 2017, 2017, bcr-2017-222657.	0.5	1
62	Successful video-assisted thoracoscopic surgery in prone position in patients with esophageal cancer and aberrant right subclavian artery: report of three cases. <i>Surgical Case Reports</i> , 2017, 3, 86.	0.6	1
63	Extra-pancreatic invasion induces lipolytic and fibrotic changes in the adipose microenvironment, with released fatty acids enhancing the invasiveness of pancreatic cancer cells. <i>Oncotarget</i> , 2017, 8, 18280-18295.	1.8	53
64	Splenectomy enhances the therapeutic effect of adipose tissue-derived mesenchymal stem cell infusion on cirrhosis rats. <i>Liver International</i> , 2016, 36, 1151-1159.	3.9	19
65	CD146 attenuation in cancer-associated fibroblasts promotes pancreatic cancer progression. <i>Molecular Carcinogenesis</i> , 2016, 55, 1560-1572.	2.7	33
66	A Microsurgical Robotic System that Induces a Multisensory Illusion. <i>International Journal of Humanoid Robotics</i> , 2016, 13, 1650018.	1.1	2
67	Feasibility of Single-Incision Laparoscopic Percutaneous Extraperitoneal Closure for Inguinal Hernia by Inexperienced Pediatric Surgeons: Single-Incision Versus Multi-Incision Randomized Trial for 2 Years. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2016, 26, 218-221.	1.0	8
68	Preoperative simulation regarding the appropriate port location for laparoscopic hepaticojejunostomy: a randomized study using a disease-specific training simulator. <i>Pediatric Surgery International</i> , 2016, 32, 901-907.	1.4	5
69	Dual optical channel three-dimensional neuroendoscopy: Clinical application as an assistive technique in endoscopic endonasal surgery. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2016, 6, 45-50.	0.3	3
70	Design and Prototyping of a Handheld 3-DOF Laparoscopic Ultrasound Manipulator for Liver Surgery. <i>Procedia CIRP</i> , 2016, 49, 121-124.	1.9	2
71	Sarcopenia is a predictive factor for prolonged intensive care unit stays in high-energy blunt trauma patients. <i>Acute Medicine & Surgery</i> , 2016, 3, 326-331.	1.2	22
72	Noninvasive mapping of the redox status of dimethylnitrosamine-induced hepatic fibrosis using in vivo dynamic nuclear polarization-magnetic resonance imaging. <i>Scientific Reports</i> , 2016, 6, 32604.	3.3	13

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73	Current Status of Computer Aided Technology for Gastroenterological, Hepatobiliary and Pancreatic Surgery. <i>Journal of Japan Society of Computer Aided Surgery</i> , 2016, 18, 165-167.	0.0	0
74	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
75	Pancreatic fistula after laparoscopic splenectomy in patients with hypersplenism due to liver cirrhosis: effect of fibrin glue and polyglycolic acid felt on prophylaxis of postoperative complications. <i>American Journal of Surgery</i> , 2016, 212, 882-888.	1.8	19
76	Virtually transparent surgical instruments in endoscopic surgery with augmentation of obscured regions. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1927-1936.	2.8	5
77	First Resonance Energy Transfer-Based Self-Assembled Nanoprobe for Rapid and Sensitive Detection of Postoperative Pancreatic Fistula. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5114-5123.	8.0	9
78	Design parameter evaluation based on human operation for tip mechanism of forceps manipulator using surgical robot simulation. <i>Advanced Robotics</i> , 2016, 30, 476-488.	1.8	4
79	Evaluation of the 10-year history of a 2-day standardized laparoscopic surgical skills training program at Kyushu University. <i>Surgery Today</i> , 2016, 46, 750-756.	1.5	9
80	Semi-manual mastoidectomy assisted by human-robot collaborative control – A temporal bone replica study. <i>Auris Nasus Larynx</i> , 2016, 43, 161-165.	1.2	13
81	Procedural surgical skill assessment in laparoscopic training environments. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 543-552.	2.8	23
82	An effective visualization technique for depth perception in augmented reality-based surgical navigation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2016, 12, 62-72.	2.3	43
83	Current State in Development of Surgical Robotic System. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2016, 2016, W221002.	0.0	0
84	Development of Four Dimensional Human Model that Enables Deformation of Skin, Organs and Blood Vessel System During Body Movement - Visualizing Movements of the Musculoskeletal System. <i>Studies in Health Technology and Informatics</i> , 2016, 220, 396-402.	0.3	2
85	Integrated Endoscopic System Based on Optical Imaging and Hyperspectral Data Analysis for Colorectal Cancer Detection. <i>Anticancer Research</i> , 2016, 36, 3925-32.	1.1	37
86	An Endoscopic Surgical Skill Validation System for Pediatric Surgeons Using a Model of Congenital Diaphragmatic Hernia Repair. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2015, 25, 775-781.	1.0	22
87	A simple predictive formula for the blood requirement in patients with high-energy blunt injuries transferred within one hour post-trauma. <i>Acute Medicine & Surgery</i> , 2015, 2, 82-91.	1.2	2
88	Development of a robotic system with six-degrees-of-freedom robotic tool manipulators for single-port surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2015, 11, 235-246.	2.3	43
89	Novel, high-definition 3-D endoscopy system with real-time compression communication system to aid diagnoses and treatment between hospitals in Thailand. <i>Asian Journal of Endoscopic Surgery</i> , 2015, 8, 139-147.	0.9	4
90	A new objective assessment of the suture ligation method for laparoscopic intestinal anastomosis. <i>Journal of Japan Society of Computer Aided Surgery</i> , 2015, 17, 15-22.	0.0	1

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91	Comprehensive Screening of Gene Function and Networks by DNA Microarray Analysis in Japanese Patients with Idiopathic Portal Hypertension. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	3.0	17
92	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. <i>Journal of Medical Imaging</i> , 2015, 2, 044004.	1.5	7
93	Operability study on the multisensory illusion inducible in microsurgical robotic systems. , 2015, , .		0
94	Basic fibroblast growth factor-treated adipose tissue-derived mesenchymal stem cell infusion to ameliorate liver cirrhosis via paracrine hepatocyte growth factor. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015, 30, 1065-1074.	2.8	35
95	Next-generation robotic surgery - from the aspect of surgical robots developed by industry. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2015, 24, 2-7.	1.2	14
96	Objective assessment of the suture ligation method for the laparoscopic intestinal anastomosis model using a new computerized system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 444-452.	2.4	30
97	Articulated minimally invasive surgical instrument based on compliant mechanism. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1837-1843.	2.8	18
98	Systemic Delivery of Protein Nanocages Bearing CTT Peptides for Enhanced Imaging of MMP-2 Expression in Metastatic Tumor Models. <i>International Journal of Molecular Sciences</i> , 2015, 16, 148-158.	4.1	21
99	Design and Function of Engineered Protein Nanocages as a Drug Delivery System for Targeting Pancreatic Cancer Cells via Neuropilin-1. <i>Molecular Pharmaceutics</i> , 2015, 12, 1422-1430.	4.6	46
100	Expression and characterization of myristoylated preS1-conjugated nanocages for targeted cell delivery. <i>Protein Expression and Purification</i> , 2015, 110, 52-56.	1.3	4
101	Template-guided implantation of the Bonebridge: clinical experience. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 3669-3675.	1.6	26
102	Three-dimensional liver model based on preoperative CT images as a tool to assist in surgical planning for hepatoblastoma in a child. <i>Pediatric Surgery International</i> , 2015, 31, 593-596.	1.4	58
103	Gastric endoscopic submucosal dissection using novel 2.6-mm articulating devices: an ex vivo comparative and in vivo feasibility study. <i>Endoscopy</i> , 2015, 47, 820-824.	1.8	17
104	Effectiveness of short-term endoscopic surgical skill training for young pediatric surgeons: a validation study using the laparoscopic fundoplication simulator. <i>Pediatric Surgery International</i> , 2015, 31, 963-969.	1.4	22
105	The effect of forceps manipulation for expert pediatric surgeons using an endoscopic pseudo-viewpoint alternating system: the phenomenon of economical slow and fast performance in endoscopic surgery. <i>Pediatric Surgery International</i> , 2015, 31, 971-976.	1.4	2
106	Preoperative surgical simulation of laparoscopic adrenalectomy for neuroblastoma using a three-dimensional printed model based on preoperative CT images. <i>Journal of Pediatric Surgery</i> , 2015, 50, 2112-2115.	1.6	27
107	Endoscopic evaluation of clinical colorectal anastomotic leakage. <i>Journal of Surgical Research</i> , 2015, 193, 126-134.	1.6	23
108	Energy-Saving High-Speed Pick-and-Place Robot Using In-Frame Parallel Spring. <i>Journal of Robotics and Mechatronics</i> , 2015, 27, 267-275.	1.0	2

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109	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
110	The Present Status and Future of Robotic and Navigation Surgery. Journal of the Institute of Electrical Engineers of Japan, 2015, 135, 370-373.	0.0	0
111	Multi-Degrees of Freedom Robotic tool with Remote Center of Motion for Laparoscopic Ultrasound Scan : Mechanical Structure and its Evaluation. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 126-127.	0.0	0
112	Development of a Self-Propelled Actively Bendable Colonoscope Robot with a "Party Horn" Propulsion Mechanism. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 68-69.	0.0	2
113	Multi-DOF Robotic Forceps for Laparoscopy using in-frame spring mechanism. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 62-63.	0.0	1
114	Pancreatic Cancer: Clinical Significance of Biomarkers. Gastrointestinal Tumors, 2014, 1, 33-40.	0.7	6
115	Comparison of transtibial and transportal techniques in drilling femoral tunnels during anterior cruciate ligament reconstruction using 3D-CAD models. Open Access Journal of Sports Medicine, 2014, 5, 65.	1.3	26
116	Significance of metacognitive skills in laparoscopic surgery assessed by essential task simulation. Minimally Invasive Therapy and Allied Technologies, 2014, 23, 165-172.	1.2	13
117	Factors associated with the clinical outcomes of paediatric out-of-hospital cardiac arrest in Japan. BMJ Open, 2014, 4, e003481.	1.9	24
118	Emergency endoscopy for acute gastrointestinal bleeding: prognostic value of endoscopic hemostasis and the AIMS65 score in Japanese patients. Digestive Endoscopy, 2014, 26, 369-376.	2.3	45
119	Merits of prophylactic sclerotherapy for esophageal varices concomitant unresectable hepatocellular carcinoma: Prospective randomized study. Digestive Endoscopy, 2014, 26, 172-177.	2.3	5
120	Comparison of open, laparoscopic, and hand-assisted laparoscopic devascularization of the upper stomach and splenectomy for treatment of esophageal and gastric varices: A single-center experience. Asian Journal of Endoscopic Surgery, 2014, 7, 138-144.	0.9	11
121	Development of a smart surgical robot with bended forceps for infant congenital esophageal atresia surgery. , 2014, , .		12
122	Robotic tele-surgery through the Internet — System development and its feasibility tests. , 2014, , .		7
123	A Surgical Navigation System for Guiding Exact Cochleostomy Using Auditory Feedback: A Clinical Feasibility Study. BioMed Research International, 2014, 2014, 1-7.	1.9	11
124	A preregistered STAMP method for image-guided temporal bone surgery. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 119-126.	2.8	16
125	Image-guided placement of the Bonebridge TM without surgical navigation equipment. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 845-855.	2.8	28
126	A single port laparoscopic surgery robot with high force transmission and a large workspace. Surgical Endoscopy and Other Interventional Techniques, 2014, 28, 2719-2729.	2.4	30

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127	Intraoperative visualization of cerebral oxygenation using hyperspectral image data: a two-dimensional mapping method. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 1059-1072.	2.8	34
128	Analysis of hand motion differentiates expert and novice surgeons. <i>Journal of Surgical Research</i> , 2014, 188, 8-13.	1.6	61
129	Mass Spectrometry-Based Metabolic Profiling of Gemcitabine-Sensitive and Gemcitabine-Resistant Pancreatic Cancer Cells. <i>Pancreas</i> , 2014, 43, 311-318.	1.1	24
130	Minimally invasive image analysis of biliary-pancreatic structure for preoperative simulation. <i>Hepato-Gastroenterology</i> , 2014, 61, 1744-7.	0.5	0
131	Warning navigation system using real-time safe region monitoring for otologic surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 395-405.	2.8	39
132	Development of an objective endoscopic surgical skill assessment system for pediatric surgeons: suture ligation model of the crura of the diaphragm in infant fundoplication. <i>Pediatric Surgery International</i> , 2013, 29, 501-504.	1.4	26
133	Objective Skill Evaluation for Laparoscopic Training Based on Motion Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 977-985.	4.2	50
134	A nanocarrier based on a genetically engineered protein cage to deliver doxorubicin to human hepatocellular carcinoma cells. <i>Chemical Communications</i> , 2013, 49, 7442.	4.1	43
135	An augmented reality navigation system for pediatric oncologic surgery based on preoperative CT and MRI images. <i>Journal of Pediatric Surgery</i> , 2013, 48, 2479-2483.	1.6	52
136	Laparoscopic resection of an isolated retroperitoneal enteric duplication in an infant. <i>Journal of Pediatric Surgery Case Reports</i> , 2013, 1, 167-170.	0.2	6
137	Surgical bedside master console for neurosurgical robotic system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 75-86.	2.8	10
138	Image-guided laparoscopic surgery in an open MRI operating theater. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 2178-2184.	2.4	34
139	Use of puncture force measurement to investigate the conditions of blood vessel needle insertion. <i>Medical Engineering and Physics</i> , 2013, 35, 684-689.	1.7	15
140	Board 549- Technology Innovations Abstract A New Objective Assessment System of the Suture Ligation Method of the Intestinal Anastomosis Model for Laparoscopic Surgery (Submission #856). <i>Simulation in Healthcare</i> , 2013, 8, 635.	1.2	0
141	Development of a novel controllable, multidirectional, reusable metallic port with a wide working space. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2013, 22, 319-323.	1.2	1
142	New detachable occlusion balloon unit for transrectal natural orifice transluminal endoscopic surgery. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2013, 22, 136-143.	1.2	2
143	Intercondylar Roof Impingement After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction in Patients With Knee Hyperextension. <i>American Journal of Sports Medicine</i> , 2013, 41, 2819-2827.	4.2	16
144	Robotic Surgery for Cancer. <i>Cancer Journal (Sudbury, Mass)</i> , 2013, 19, 130-132.	2.0	18

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145	Using a Cloud-based Electronic Health Record During Disaster Response: A Case Study in Fukushima, March 2011. <i>Prehospital and Disaster Medicine</i> , 2013, 28, 383-387.	1.3	13
146	Hepatic vein waveform and splenomegaly predict improvement of prothrombin time after splenectomy in hepatitis C virus-related cirrhotic patients. <i>Hepatology Research</i> , 2013, 43, 933-941.	3.4	3
147	Three-Dimensional High-Definition Neuroendoscopic Surgery: A Controlled Comparative Laboratory Study with Two-Dimensional Endoscopy and Clinical Application. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 357-365.	0.8	33
148	Biological evaluation of protein nanocapsules containing doxorubicin. <i>International Journal of Nanomedicine</i> , 2013, 8, 1989.	6.7	20
149	Development of a Surgical Robot with Vision Field Control for Single Port Endoscopic Surgery. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2013, 49, 183-189.	0.2	0
150	Geometry effect of preloading probe on accurate needle insertion for breast tumor treatment. , 2012, , .		4
151	DETECTION OF PANCREATIC CANCER CELLS (SUIT-2) USING AN FET-BASED BIOSENSOR WITH AN EXTENDED Au GATE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2012, 24, 131-137.	0.6	2
152	Application of control modes of a master manipulator for a robotic system to assist with single port endoscopic surgery. , 2012, , .		2
153	Cochlear Implantation Assisted by Noninvasive Image Guidance. <i>Otology and Neurotology</i> , 2012, 33, 1333-1338.	1.3	28
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