

Makoto Hashizume

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4856486/publications.pdf>

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	Nanoparticles of Adaptive Supramolecular Networks Self-Assembled from Nucleotides and Lanthanide Ions. <i>Journal of the American Chemical Society</i> , 2009, 131, 2151-2158.	13.7	314
2	Surgical data science for next-generation interventions. <i>Nature Biomedical Engineering</i> , 2017, 1, 691-696.	22.5	283
3	GENERAL RULES FOR RECORDING ENDOSCOPIC FINDINGS OF ESOPHAGOGASTRIC VARICES (2ND EDITION). <i>Digestive Endoscopy</i> , 2010, 22, 1-9.	2.3	250
4	Early experiences of endoscopic procedures in general surgery assisted by a computer-enhanced surgical system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2002, 16, 1187-1191.	2.4	236
5	Consensus on extra-hepatic portal vein obstruction. <i>Liver International</i> , 2006, 26, 512-519.	3.9	224
6	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
7	Robot-assisted gastric surgery. <i>Surgical Clinics of North America</i> , 2003, 83, 1429-1444.	1.5	170
8	Endoscopic classification of gastric varices. <i>Gastrointestinal Endoscopy</i> , 1990, 36, 276-280.	1.0	168
9	Long-term results of endoscopic Histoacryl injection sclerotherapy for gastric variceal bleeding: A 10-year experience. <i>Surgery</i> , 2002, 131, S176-S181.	1.9	133
10	Asymmetry of mediolateral laxity of the normal knee. <i>Journal of Orthopaedic Science</i> , 2006, 11, 264-266.	1.1	128
11	Accurate preoperative estimation of liver-graft volumetry using three-dimensional computed tomography. <i>Transplantation</i> , 2003, 75, 1561-1564.	1.0	119
12	Long-term results of balloon-occluded retrograde transvenous obliteration for gastric variceal bleeding and risky gastric varices: A 10-year experience. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, 1702-1709.	2.8	119
13	Morphology of Gastric Microcirculation in Cirrhosis. <i>Hepatology</i> , 1983, 3, 1008-1012.	7.3	118
14	Thoroscopic thymectomy with the da Vinci computer-enhanced surgical system. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001, 122, 783-785.	0.8	117
15	Three-dimensional view of the vascular structure of the lower esophagus in clinical portal hypertension. <i>Hepatology</i> , 1988, 8, 1482-1487.	7.3	109
16	Role of the spleen in liver fibrosis in rats may be mediated by transforming growth factor β . <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2002, 17, 59-65.	2.8	108
17	Surgical data science – from concepts toward clinical translation. <i>Medical Image Analysis</i> , 2022, 76, 102306.	11.6	107
18	MicroRNA-10a is Overexpressed in Human Pancreatic Cancer and Involved in Its Invasiveness Partially via Suppression of the HOXA1 Gene. <i>Annals of Surgical Oncology</i> , 2012, 19, 2394-2402.	1.5	100

#	ARTICLE	IF	CITATIONS
19	Endoscopic ligation of esophageal varices compared with injection sclerotherapy: a prospective randomized trial. <i>Gastrointestinal Endoscopy</i> , 1993, 39, 123-126.	1.0	95
20	Effects of endoscopic injection sclerotherapy on portal hypertensive gastropathy: a prospective study. <i>Gastrointestinal Endoscopy</i> , 1992, 38, 582-585.	1.0	89
21	Endoscopic injection sclerotherapy for 1,000 patients with esophageal varices: A nine-year prospective study. <i>Hepatology</i> , 1992, 15, 69-75.	7.3	84
22	Long-term outcomes and the quality of life of Hirschsprung disease in adolescents who have reached 18 years or older—a 47-year single-institute experience. <i>Journal of Pediatric Surgery</i> , 2010, 45, 2398-2402.	1.6	84
23	MicroRNA Expression as a Predictive Marker for Gemcitabine Response after Surgical Resection of Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2011, 18, 2381-2387.	1.5	81
24	Laparoscopic splenectomy. <i>American Journal of Surgery</i> , 1994, 167, 611-614.	1.8	79
25	HAPTOGLOBIN TO PROTECT AGAINST RENAL DAMAGE FROM ETHANOLAMINE OLEATE SCLEROSANT. <i>Lancet, The</i> , 1988, 332, 340-341.	13.7	77
26	A new era of robotic surgery assisted by a computer-enhanced surgical system. <i>Surgery</i> , 2002, 131, S330-S333.	1.9	75
27	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
28	Construct validity for eye-hand coordination skill on a virtual reality laparoscopic surgical simulator. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007, 21, 2253-2257.	2.4	71
29	Robotic Surgery and Cancer: the Present State, Problems and Future Vision. <i>Japanese Journal of Clinical Oncology</i> , 2004, 34, 227-237.	1.3	67
30	Quantitative Assessment of Rotatory Instability after Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2009, 37, 909-916.	4.2	65
31	Augmented reality navigation system for laparoscopic splenectomy in children based on preoperative CT image using optical tracking device. <i>Pediatric Surgery International</i> , 2012, 28, 341-346.	1.4	65
32	Gold nanoparticle-based colorimetric assay for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1869-1874.	10.1	64
33	Essential Role of PDGFR β -p70S6K Signaling in Mesenchymal Cells During Therapeutic and Tumor Angiogenesis In Vivo. <i>Circulation Research</i> , 2004, 94, 1186-1194.	4.5	63
34	Intraoperative Magnetic Tracker Calibration Using a Magneto-Optic Hybrid Tracker for 3-D Ultrasound-Based Navigation in Laparoscopic Surgery. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 255-270.	8.9	63
35	Laparoscopic gastric devascularization and splenectomy for sclerotherapy-resistant esophagogastric varices with hypersplenism. <i>Journal of the American College of Surgeons</i> , 1998, 187, 263-270.	0.5	61
36	Analysis of hand motion differentiates expert and novice surgeons. <i>Journal of Surgical Research</i> , 2014, 188, 8-13.	1.6	61

#	ARTICLE	IF	CITATIONS
37	Inhibition of ERK1/2 in cancer-associated pancreatic stellate cells suppresses cancerâ€™s stromal interaction and metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 221.	8.6	61
38	Objective assessment of laparoscopic suturing skills using a motion-tracking system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 771-775.	2.4	60
39	Effectiveness of gastric devascularization and splenectomy for patients with gastric varices ¹ No competing interests declared.. <i>Journal of the American College of Surgeons</i> , 2000, 191, 498-503.	0.5	59
40	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
41	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
42	Video-assisted thoracoscopic extirpation of a posterior mediastinal mass using the da vinci computer enhanced surgical system. <i>Annals of Thoracic Surgery</i> , 2002, 74, 1235-1237.	1.3	56
43	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
44	Exclusion of Nonisolated Splenic Vein in Distal Splenorenal Shunt for Prevention of Portal Malcirculation. <i>Annals of Surgery</i> , 1984, 200, 711-717.	4.2	52
45	A real-time navigation system for laparoscopic surgery based on three-dimensional ultrasound using magneto-optic hybrid tracking configuration. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2007, 2, 1-10.	2.8	52
46	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
47	Laparoscopy-assisted surgery: A new technique for transhiatal esophageal dissection. <i>American Journal of Surgery</i> , 1994, 168, 355-357.	1.8	51
48	The frontal cortex is activated during learning of endoscopic procedures. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2009, 23, 2296-2301.	2.4	51
49	An effective point-based registration tool for surgical navigation. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2010, 24, 944-948.	2.4	50
50	Objective Skill Evaluation for Laparoscopic Training Based on Motion Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 977-985.	4.2	50
51	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
52	Emergency endoscopy for acute gastrointestinal bleeding: prognostic value of endoscopic hemostasis and the AIMS65 score in Japanese patients. <i>Digestive Endoscopy</i> , 2014, 26, 369-376.	2.3	45
53	Laparoscopic splenectomy may be a superior supportive intervention for cirrhotic patients with hypersplenism. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2010, 25, 397-402.	2.8	44
54	Defective endothelial nitric oxide synthase signaling is mediated by rho-kinase activation in rats with secondary biliary cirrhosis. <i>Hepatology</i> , 2008, 47, 966-977.	7.3	43

#	ARTICLE	IF	CITATIONS
55	Comparison of Rotatory Stability After Anterior Cruciate Ligament Reconstruction Between Single-Bundle and Double-Bundle Techniques. <i>American Journal of Sports Medicine</i> , 2011, 39, 1470-1477.	4.2	43
56	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
57	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
58	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
59	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
60	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
61	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
62	Effect of laparoscopic splenectomy on portal hypertensive gastropathy in cirrhotic patients with portal hypertension. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2009, 24, 1554-1558.	2.8	41
63	Development of Human Hepatocellular Carcinoma Cell-Targeted Protein Cages. <i>Bioconjugate Chemistry</i> , 2012, 23, 1494-1501.	3.6	41
64	Articular cartilage of the posterior condyle can affect rotational alignment in total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1463-1469.	4.2	41
65	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
66	Development of an integrated needle insertion system with image guidance and deformation simulation. <i>Computerized Medical Imaging and Graphics</i> , 2010, 34, 9-18.	5.8	39
67	Laparoscopic splenectomy with interferon therapy in 100 hepatitis C virus cirrhotic patients with hypersplenism and thrombocytopenia. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 286-290.	2.8	39
68	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
69	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
70	Effects of splenectomy on liver volume and prognosis of cirrhosis in patients with esophageal varices1. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2002, 17, 77-80.	2.8	37
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Sclerotherapy vs. esophageal transection vs. distal splenorenal shunt for the clinical management of esophageal varices in patients with child class A and B liver function: A prospective randomized trial. <i>Hepatology</i> , 1992, 15, 63-68.	7.3	35
74	Assessment of Anterolateral Rotatory Instability in the Anterior Cruciate Ligamentâ€”Deficient Knee Using an Open Magnetic Resonance Imaging System. <i>American Journal of Sports Medicine</i> , 2007, 35, 1091-1097.	4.2	35
75	Basic fibroblast growth factorâ€”treated adipose tissueâ€”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
76	A Long-term Follow-up Study on Risk Factors for Hepatocellular Carcinoma among Japanese Patients with Liver Cirrhosis. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 1241-1250.	1.7	34
77	Effectiveness of basic endoscopic surgical skill training for pediatric surgeons. <i>Pediatric Surgery International</i> , 2010, 26, 947-954.	1.4	34
78	Skills assessment using a virtual reality simulator, LapSimâ„¢, after training to develop fundamental skills for endoscopic surgery. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2010, 19, 24-29.	1.2	34
79	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
80	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
81	Laparoscopic hepatectomy: new approach for hepatocellular carcinoma. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2000, 7, 270-275.	2.0	33
82	Anatomic resection for severe blunt liver trauma in 100 patients: Significant differences between young and elderly. <i>World Journal of Surgery</i> , 2002, 26, 544-549.	1.6	33
83	Recovery of respiratory motion and deformation of the liver using laparoscopic freehand 3D ultrasound system. <i>Medical Image Analysis</i> , 2007, 11, 429-442.	11.6	33
84	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
85	CD146 attenuation in cancerâ€”associated fibroblasts promotes pancreatic cancer progression. <i>Molecular Carcinogenesis</i> , 2016, 55, 1560-1572.	2.7	33
86	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
87	Classification of gastric lesions associated with portal hypertension. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1995, 10, 339-343.	2.8	32
88	Tumor ablation therapy of liver cancers with an open magnetic resonance imaging-based navigation system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2009, 23, 1048-1053.	2.4	32
89	Regulatory Science on AI-based Medical Devices and Systems. <i>Advanced Biomedical Engineering</i> , 2018, 7, 118-123.	0.6	32
90	Fifteen years' experience with left gastric venous caval shunt for esophageal varices. <i>World Journal of Surgery</i> , 1984, 8, 716-721.	1.6	31

#	ARTICLE	IF	CITATIONS
91	Effect of thrombopoietin on platelet counts and liver regeneration after partial hepatectomy in a rat model. <i>Surgery Today</i> , 2009, 39, 1054-1059.	1.5	30
92	A single port laparoscopic surgery robot with high force transmission and a large workspace. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 2719-2729.	2.4	30
93	Objective assessment of the suture ligature 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
94	Enhanced Targeting in Breast Tissue Using a Robotic Tissue Preloading-Based Needle Insertion System. <i>IEEE Transactions on Robotics</i> , 2012, 28, 710-722.	10.3	29
95	Ultrasensitive MRI detection of spontaneous pancreatic tumors with nanocage-based targeted contrast agent. <i>Biomaterials</i> , 2018, 152, 37-46.	11.4	29
96	BENEFICIAL EFFECTS OF 3-DIMENSIONAL VISUALIZATION ON HEPATIC VEIN RECONSTRUCTION IN LIVING DONOR LIVER TRANSPLANTATION USING RIGHT LOBE GRAFT1. <i>Transplantation</i> , 2001, 72, 1993-1996.	1.0	29
97	Complications of percutaneous transhepatic catheterization of the portal venous system in patients with portal hypertension. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1996, 11, 630-634.	2.8	28
98	Cochlear Implantation Assisted by Noninvasive Image Guidance. <i>Otology and Neurotology</i> , 2012, 33, 1333-1338.	1.3	28
99	Impact of balloon-occluded retrograde transvenous obliteration on management of isolated fundal gastric variceal bleeding. <i>Hepatology Research</i> , 2012, 42, 385-393.	3.4	28
100	Image-guided placement of the Bonebridge TM without surgical navigation equipment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 845-855.	2.8	28
101	Laparoscopic splenectomy for portal hypertension. <i>Hepato-Gastroenterology</i> , 2002, 49, 847-52.	0.5	28
102	Early experience of endoscopic extirpation of benign breast tumors via an extra-mammary incision. <i>American Journal of Surgery</i> , 1998, 176, 235-238.	1.8	27
103	The effect of CyberDome, a novel 3-dimensional dome-shaped display system, on laparoscopic procedures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009, 4, 125-132.	2.8	27
104	Management of gastric varices. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011, 26, 102-108.	2.8	27
105	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
106	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
107	Results of laparoscopic splenectomy for immune thrombocytopenic purpura. <i>American Journal of Surgery</i> , 1999, 177, 222-226.	1.8	26
108	Development of an objective endoscopic surgical skill assessment system for pediatric surgeons: suture ligature model of the crura of the diaphragm in infant fundoplication. <i>Pediatric Surgery International</i> , 2013, 29, 501-504.	1.4	26

#	ARTICLE	IF	CITATIONS
109	Comparison of transtibial and transportal techniques in drilling femoral tunnels during anterior cruciate ligament reconstruction using 3D-CAD models. <i>Open Access Journal of Sports Medicine</i> , 2014, 5, 65.	1.3	26
110	Template-guided implantation of the Bonebridge: clinical experience. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 3669-3675.	1.6	26
111	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
112	Augmented reality navigation system for endoscopic surgery based on three-dimensional ultrasound and computed tomography: Application to 20 clinical cases. <i>International Congress Series</i> , 2005, 1281, 537-542.	0.2	25
113	Impact of network time-delay and force feedback on tele-surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2008, 3, 371-378.	2.8	25
114	Real-Time 3-Dimensional Virtual Reality Navigation System with Open MRI for Breast-Conserving Surgery. <i>Journal of the American College of Surgeons</i> , 2010, 210, 927-933.	0.5	25
115	Factors associated with the clinical outcomes of paediatric out-of-hospital cardiac arrest in Japan. <i>BMJ Open</i> , 2014, 4, e003481.	1.9	24
116	Mass Spectrometry-Based Metabolic Profiling of Gemcitabine-Sensitive and Gemcitabine-Resistant Pancreatic Cancer Cells. <i>Pancreas</i> , 2014, 43, 311-318.	1.1	24
117	Surgical Robot for Intraluminal Access: An <i>Ex Vivo</i> Feasibility Study. <i>Cyborg and Bionic Systems</i> , 2020, 2020, .	7.9	24
118	The significance of methicillin-resistant <i>Staphylococcus Aureus</i> infection in general surgery: A multivariate analysis of risk factors and preventive approaches. <i>Surgery Today</i> , 1993, 23, 880-884.	1.5	23
119	A selective cyclo-oxygenase-2 inhibitor, NS-398, may improve portal hypertension without inducing gastric mucosal injury. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1999, 14, 642-651.	2.8	23
120	Combination with low-dose gemcitabine and hTERT-promoter-dependent conditionally replicative adenovirus enhances cytotoxicity through their crosstalk mechanisms in pancreatic cancer. <i>Cancer Letters</i> , 2010, 294, 178-186.	7.2	23
121	Liver cell specific targeting by the preS1 domain of hepatitis B virus surface antigen displayed on protein nanocages. <i>International Journal of Nanomedicine</i> , 2012, 7, 4353.	6.7	23
122	Endoscopic evaluation of clinical colorectal anastomotic leakage. <i>Journal of Surgical Research</i> , 2015, 193, 126-134.	1.6	23
123	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
124	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
125	Development of a camera model and calibration procedure for oblique-viewing endoscopes. <i>Computer Aided Surgery</i> , 2004, 9, 203-214.	1.8	23
126	A rat model of esophageal varices. <i>Hepatology</i> , 1991, 13, 353-358.	7.3	22

#	ARTICLE	IF	CITATIONS
127	Immunohistochemical localization of vascular endothelial growth factor in the rat portal hypertensive gastropathy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2001, 16, 429-437.	2.8	22
128	Abnormal PTEN expression in portal hypertensive gastric mucosa: A key to impaired PI 3-kinase/Akt activation and delayed injury healing?. <i>FASEB Journal</i> , 2003, 17, 2316-2318.	0.5	22
129	Robotic surgery setup simulation with the integration of inverse-kinematics computation and medical imaging. <i>Computer Methods and Programs in Biomedicine</i> , 2006, 83, 63-72.	4.7	22
130	MRI-guided laparoscopic and robotic surgery for malignancies. <i>International Journal of Clinical Oncology</i> , 2007, 12, 94-98.	2.2	22
131	Development and validation of a viscoelastic and nonlinear liver model for needle insertion. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009, 4, 53-63.	2.8	22
132	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
133	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
134	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
135	Sodium thiosulfate prevents doxorubicin-induced DNA damage and apoptosis in cardiomyocytes in mice. <i>Life Sciences</i> , 2020, 257, 118074.	4.3	22
136	Nanotechnology and Its Relevance to the Urologist. <i>European Urology</i> , 2007, 52, 368-375.	1.9	21
137	Molecular design of protein-based nanocapsules for stimulus-responsive characteristics. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 85-93.	3.0	21
138	A colorimetric assay of protein kinase activity based on peptide-induced coagulation of gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 7-11.	5.0	21
139	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
140	Role of endothelin-1 in congestive gastropathy in portal hypertensive rats. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2000, 15, 142-147.	2.8	20
141	Development of a tool manipulator driven by a flexible shaft for Single Port Endoscopic Surgery. , 2010, , .		20
142	Liver regeneration is promoted by increasing serotonin content in rat liver with secondary biliary cirrhosis. <i>Hepatology Research</i> , 2011, 41, 784-794.	3.4	20
143	Biological evaluation of protein nanocapsules containing doxorubicin. <i>International Journal of Nanomedicine</i> , 2013, 8, 1989.	6.7	20
144	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

#	ARTICLE	IF	CITATIONS
145	Giant bar-type esophageal varices not eradicated by repeated injection sclerotherapy. <i>Gastrointestinal Endoscopy</i> , 1991, 37, 187-189.	1.0	19
146	Role of Vascular Endothelial Growth Factor in Portal Hypertensive Gastropathy. <i>Digestion</i> , 2000, 61, 98-106.	2.3	19
147	Early findings on brain computed tomography and the prognosis of post-cardiac arrest syndrome: Application of the score for stroke patients. <i>Resuscitation</i> , 2012, 83, 848-854.	3.0	19
148	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
149	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
150	Current status and prerequisites for natural orifice transluminal endoscopic surgery (NOTES). <i>Surgery Today</i> , 2010, 40, 909-916.	1.5	18
151	Robotic Surgery for Cancer. <i>Cancer Journal (Sudbury, Mass)</i> , 2013, 19, 130-132.	2.0	18
152	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
153	In vivo redox metabolic imaging of mitochondria assesses disease progression in non-alcoholic steatohepatitis. <i>Scientific Reports</i> , 2017, 7, 17170.	3.3	18
154	Prognostic factors in patients with idiopathic portal hypertension: Two Japanese nationwide epidemiological surveys in 1999 and 2005. <i>Hepatology Research</i> , 2012, 42, 1211-1220.	3.4	17
155	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
156	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
157	Roles of vascular endothelial growth factor and endothelial nitric oxide synthase during revascularization and regeneration after partial hepatectomy in a rat model. <i>Surgery Today</i> , 2011, 41, 1622-1629.	1.5	16
158	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
159	A preregistered STAMP method for image-guided temporal bone surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 119-126.	2.8	16
160	Tele-surgical simulation system for training in the use of da Vinci surgery. <i>Studies in Health Technology and Informatics</i> , 2005, 111, 543-8.	0.3	16
161	Argon laser angioplasty with a laser probe. <i>Journal of Vascular Surgery</i> , 1987, 6, 60-65.	1.1	15
162	Selective cyclooxygenase (COX) inhibition causes damage to portal hypertensive gastric mucosa: roles of nitric oxide and NF- κ B. <i>FASEB Journal</i> , 2005, 19, 1163-1165.	0.5	15

#	ARTICLE	IF	CITATIONS
163	Splenic hemodynamics and decreased endothelial nitric oxide synthase in the spleen of rats with liver cirrhosis. <i>Life Sciences</i> , 2007, 80, 2036-2044.	4.3	15
164	Abnormality of the hepatic vein waveforms in cirrhotic patients with portal hypertension and its prognostic implications. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, e129-36.	2.8	15
165	Quality of life after laparoscopy-assisted pylorus-preserving gastrectomy: an evaluation using a questionnaire mailed to the patients. <i>Surgery Today</i> , 2012, 42, 625-632.	1.5	15
166	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
167	A serial transparent endoscopic elastic band ligator. <i>Gastrointestinal Endoscopy</i> , 1995, 42, 169-170.	1.0	14
168	Effect of Teprenone on Portal Hypertensive Gastric Mucosa. <i>Digestion</i> , 1996, 57, 35-40.	2.3	14
169	Endothelin-1 derived from spleen-activated Rho-kinase pathway in rats with secondary biliary cirrhosis. <i>Hepatology Research</i> , 2012, 42, 1039-1047.	3.4	14
170	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
171	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
172	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
173	Noninvasive variceal pressure measurement may be useful for predicting effect of sclerotherapy for esophageal varices. <i>Digestive Diseases and Sciences</i> , 1996, 41, 191-196.	2.3	13
174	The role of prostacyclin in patients with portal hypertension. <i>Liver</i> , 1985, 5, 89-93.	0.1	13
175	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
176	Significance of metacognitive skills in laparoscopic surgery assessed by essential task simulation. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2014, 23, 165-172.	1.2	13
177	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
178	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
179	Prognostic value of thymidine phosphorylase activity in liver tissue adjacent to hepatocellular carcinoma. <i>International Journal of Clinical Oncology</i> , 2005, 10, 171-176.	2.2	12
180	hTERT-promoter-dependent oncolytic adenovirus enhances the transduction and therapeutic efficacy of replication-defective adenovirus vectors in pancreatic cancer cells. <i>Cancer Science</i> , 2010, 101, 735-742.	3.9	12

#	ARTICLE	IF	CITATIONS
181	Development of a smart surgical robot with bended forceps for infant congenital esophageal atresia surgery. , 2014, , .		12
182	Improving the strength of sutureless laser-assisted vessel repair using preloaded longitudinal compression on tissue edge. Lasers in Surgery and Medicine, 2017, 49, 533-538.	2.1	12
183	Successful Hospital Evacuation After the Kumamoto Earthquakes, Japan, 2016. Disaster Medicine and Public Health Preparedness, 2017, 11, 517-521.	1.3	12
184	A novel histological examination with dynamic three-dimensional reconstruction from multiple immunohistochemically stained sections of a <sc>PD</sc>-positive colon cancer. Histopathology, 2018, 72, 697-703.	2.9	12
185	Efficacy of Novel Multispectral Imaging Device to Determine Anastomosis for Esophagogastronomy. Journal of Surgical Research, 2019, 242, 11-22.	1.6	12
186	Histidine-Rich Glycoprotein Alleviates Liver Ischemia/Reperfusion Injury in Mice With Nonalcoholic Steatohepatitis. Liver Transplantation, 2021, 27, 840-853.	2.4	12
187	A transparent endoscopic elastic band ligating device. Gastrointestinal Endoscopy, 1993, 39, 686-688.	1.0	11
188	Asynchronous force and visual feedback in teleoperative laparoscopic surgical system. , 2010, , .		11
189	Image-guided robotic mastoidectomy using human-robot collaboration control. , 2011, , .		11
190	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
191	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
192	Self-Propelled Colonoscopy Robot Using Flexible Paddles. IEEE Robotics and Automation Letters, 2020, 5, 6710-6716.	5.1	11
193	Perspective for Future Medicine: Multidisciplinary Computational Anatomy-Based Medicine with Artificial Intelligence. Cyborg and Bionic Systems, 2021, 2021, .	7.9	11
194	The development of extrahepatic portal obstruction after undergoing multiple operations for a congenital dilatation of the bile duct: Report of a case. Surgery Today, 1998, 28, 355-358.	1.5	10
195	Coil embolization of arterioportal fistula that developed after partial gastrectomy. CardioVascular and Interventional Radiology, 1999, 22, 328-330.	2.0	10
196	Real-time magnetic resonance imaging driven by electromagnetic locator for interventional procedure and endoscopic therapy. Surgical Endoscopy and Other Interventional Techniques, 2008, 22, 552-556.	2.4	10
197	A novel protease activity assay using a protease-responsive chaperone protein. Biochemical and Biophysical Research Communications, 2009, 383, 293-297.	2.1	10
198	An assessment of surgery for portal hypertensive patients performed at a single community hospital. Surgery Today, 2010, 40, 620-625.	1.5	10

#	ARTICLE	IF	CITATIONS
199	Waseda Bioinstrumentation system WB-3 as a wearable tool for objective laparoscopic skill evaluation. , 2011, , .		10
200	Surgical bedside master console for neurosurgical robotic system. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 75-86.	2.8	10
201	Postmortem interval estimation using the animal model of postmortem gas volume changes. Legal Medicine, 2018, 32, 66-70.	1.3	10
202	Visualizing Energy Charge in Breast Carcinoma Tissues by MALDI Mass-spectrometry Imaging Profiles of Low-molecular-weight Metabolites. Anticancer Research, 2018, 38, 4267-4272.	1.1	10
203	Comparison of Feature Vector Compositions to Enhance the Performance of NIRS-BCI-Triggered Robotic Hand Orthosis for Post-Stroke Motor Recovery. Applied Sciences (Switzerland), 2019, 9, 3845.	2.5	10
204	Japanese periodical nationwide epidemiologic survey of aberrant portal hemodynamics. Hepatology Research, 2019, 49, 890-901.	3.4	10
205	A novel endoscope manipulator, NaviotÂ®, enables solo-surgery to be performed during video-assisted thoracic surgery. Interactive Cardiovascular and Thoracic Surgery, 2005, 4, 404-405.	1.1	9
206	Dual Surgical Navigation Using Augmented and Virtual Environment Techniques. International Journal of Optomechatronics, 2011, 5, 155-169.	6.6	9
207	Predictive factors for platelet count after laparoscopic splenectomy in cirrhotic patients. Hepatology International, 2012, 6, 657-661.	4.2	9
208	FÄrster Resonance Energy Transfer-Based Self-Assembled Nanoprobe for Rapid and Sensitive Detection of Postoperative Pancreatic Fistula. ACS Applied Materials & Interfaces, 2016, 8, 5114-5123.	8.0	9
209	Evaluation of the 10-year history of a 2-day standardized laparoscopic surgical skills training program at Kyushu University. Surgery Today, 2016, 46, 750-756.	1.5	9
210	Intraoperative hemostasis and wound healing in intestinalanastomoses using the ILA stapling device. American Journal of Surgery, 1988, 155, 520-525.	1.8	8
211	Successful treatment of early hepatocellular carcinoma and concomitant esophageal varices. World Journal of Surgery, 1993, 17, 398-402.	1.6	8
212	Fast alignment of 3D geometrical models and 2D grayscale images using 2D distance maps. Systems and Computers in Japan, 2007, 38, 52-62.	0.2	8
213	MR-compatible laparoscope with a distally mounted CCD for MR image-guided surgery. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 11-18.	2.8	8
214	Investigation of the Cause of Readmission to the Intensive Care Unit for Patients with Lung Edema or Atelectasis. Yonsei Medical Journal, 2008, 49, 422.	2.2	8
215	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. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2016, 26, 218-221.	1.0	8
216	Principles and development of collagen-mediated tissue fusion induced by laser irradiation. Scientific Reports, 2019, 9, 9383.	3.3	8

#	ARTICLE	IF	CITATIONS
217	CD110 promotes pancreatic cancer progression and its expression is correlated with poor prognosis. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1147-1164.	2.5	8
218	Surgical Robotic System. Journal of the Robotics Society of Japan, 2004, 22, 423-425.	0.1	8
219	Therapeutic strategy of emergency surgery for colon cancer in 71 patients over 70 years of age in Japan. Hepato-Gastroenterology, 2002, 49, 393-8.	0.5	8
220	New insight for management of blunt splenic trauma: significant differences between young and elderly. Hepato-Gastroenterology, 2002, 49, 1144-9.	0.5	8
221	Editorial: Sclerotherapy resistant oesophageal varices: What are their clinical significance in prophylactic sclerotherapy?. Journal of Gastroenterology and Hepatology (Australia), 1996, 11, 1105-1109.	2.8	7
222	Sevoflurane and Bradykinin-Induced Calcium Mobilization in Pulmonary Arterial Valvular Endothelial Cells In Situ: Sevoflurane Stimulates Plasmalemmal Calcium Influx Into Endothelial Cells. Journal of Cardiovascular Pharmacology, 2002, 40, 714-724.	1.9	7
223	Tele-training simulation for the surgical robot system "œda Vinci" International Congress Series, 2004, 1268, 86-91.	0.2	7
224	Endoscopic injection sclerotherapy for esophageal varices associated with concomitant portal venous thrombus of hepatocellular carcinoma. Journal of Surgical Oncology, 1995, 59, 125-130.	1.7	7
225	Emergency medicine in Japan. A look at a current university hospital and the problems faced. EMA - Emergency Medicine Australasia, 2007, 19, 296-299.	1.1	7
226	A preoperative evaluation for neo-infantile liver tumors using a three-dimensional reconstruction of multidetector row CT. Oncology Reports, 2009, 21, 881-6.	2.6	7
227	Robotic tele-surgery through the Internet — System development and its feasibility tests. , 2014, , .		7
228	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. Journal of Medical Imaging, 2015, 2, 044004.	1.5	7
229	New therapeutic strategy of open pelvic fracture associated with rectal injury in 43 patients over 60 years of age. Hepato-Gastroenterology, 2002, 49, 1275-80.	0.5	7
230	Telecontrol function of an endoscopic surgical robot with two hands for tele-NOTES surgery. Studies in Health Technology and Informatics, 2008, 132, 511-3.	0.3	7
231	Long-term prognosis and satisfaction after percutaneous endoscopic gastrostomy in a general hospital*. Geriatrics and Gerontology International, 2004, 4, 127-131.	1.5	6
232	Current status of Japanese emergency medicine based on a cross-sectional survey of one prefecture. EMA - Emergency Medicine Australasia, 2007, 19, 523-527.	1.1	6
233	A neurosurgical navigation system based on intraoperative tumour remnant estimation. Journal of Robotic Surgery, 2007, 1, 91-97.	1.8	6
234	Improvement in the colloidal stability of protein kinase-responsive polyplexes by PEG modification. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1136-1141.	4.0	6

#	ARTICLE	IF	CITATIONS
235	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
236	Pancreatic Cancer: Clinical Significance of Biomarkers. <i>Gastrointestinal Tumors</i> , 2014, 1, 33-40.	0.7	6
237	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
238	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
239	Development of Wide-Angle-View Laparoscope Using Wedge Prisms. <i>Journal of Robotics and Mechatronics</i> , 2004, 16, 129-137.	1.0	6
240	Laparoscopic repair of a perforated duodenal ulcer in two patients. <i>Surgery Today</i> , 1998, 28, 633-635.	1.5	5
241	Propranolol alone may not be acceptable to prevent first esophageal variceal bleeding in Japanese cirrhotic patients: Randomized controlled trial. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2004, 19, 576-581.	2.8	5
242	Development of a novel approach, “palpation based needle insertion,” for breast cancer treatment. , 2009, , .		5
243	Successful resection of an undifferentiated sarcoma in a child using a real-time surgical navigation system in an open magnetic resonance imaging operation room. <i>Journal of Pediatric Surgery</i> , 2011, 46, 608-611.	1.6	5
244	Persistent roles of signal transduction of platelet-derived growth factor B in genesis, growth, and anaplastic transformation of gliomas in an in-vivo serial transplantation model. <i>Brain Tumor Pathology</i> , 2011, 28, 33-42.	1.7	5
245	Merits of prophylactic sclerotherapy for esophageal varices concomitant unresectable hepatocellular carcinoma: Prospective randomized study. <i>Digestive Endoscopy</i> , 2014, 26, 172-177.	2.3	5
246	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
247	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
248	Hyperdynamic circulation in the left gastric venous area in patients with portal hypertension: Angiological assessment. <i>The Japanese Journal of Surgery</i> , 1985, 15, 134-139.	0.2	4
249	Fast modelâ€™image registration using a two-dimensional distance map for surgical navigation system. <i>Advanced Robotics</i> , 2007, 21, 751-770.	1.8	4
250	In vitro and in vivo validation of robotic palpation-based needle insertion method for breast tumor treatment. , 2011, , .		4
251	Geometry effect of preloading probe on accurate needle insertion for breast tumor treatment. , 2012, , .		4
252	Rigid and flexible endoscopic rendezvous in spatium peritonealis may be an effective tactic for laparoscopic megasplenectomy: significant implications for pure natural orifice transluminal endoscopic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 3573-3579.	2.4	4

#	ARTICLE	IF	CITATIONS
253	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
254	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
255	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
256	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
257	Design of a Surgical Robot for Use Inside the Human Body. <i>Journal of the Robotics Society of Japan</i> , 2008, 26, 242-246.	0.1	4
258	Tele-surgery simulation to perform surgical training of abdominal da Vinci surgery. <i>International Congress Series</i> , 2005, 1281, 531-536.	0.2	3
259	Objective evaluation of laparoscopic surgical skills using Waseda bioinstrumentation system WB-3. , 2010, , .		3
260	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
261	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
262	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
263	In-vivo and in-vitro mechanical properties of pig liver during needle puncture for needle insertion. , 2019, , .		3
264	Asymmetrical surface scanning registration for image-guided otologic surgery: A phantom study. <i>Auris Nasus Larynx</i> , 2020, 47, 574-579.	1.2	3
265	Laparoscopic rectopexy for recurrent rectal prolapse: a safe and simple procedure without a mesh prosthesis. <i>Hepato-Gastroenterology</i> , 2002, 49, 1549-51.	0.5	3
266	Potential therapeutic targets discovery by transcriptome analysis of an in vitro human gastric signet ring carcinoma model. <i>Gastric Cancer</i> , 0, , .	5.3	3
267	Hereditary spherocytosis with congestive heart failure: Report of a case. <i>Surgery Today</i> , 1993, 23, 458-461.	1.5	2
268	Metoclopramide inhibits development of esophageal varices in rat model. <i>Digestive Diseases and Sciences</i> , 1994, 39, 1853-1858.	2.3	2
269	Extreme hyperbilirubinemia induced by endoscopic injection sclerotherapy in a patient with esophageal varices and thalassemia: Report of a case. <i>Surgery Today</i> , 1996, 26, 53-56.	1.5	2
270	Formation, hemodynamics and new management options for gastric varices. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2004, 19, S165-S167.	2.8	2

#	ARTICLE	IF	CITATIONS
271	Fluid Dynamic Study on Budd-Chiari Syndrome: Sensitivity Study of Vessel Reconstruction on Image-Based Simulation. <i>Journal of Biomechanical Science and Engineering</i> , 2007, 2, 69-80.	0.3	2
272	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
273	Application of control modes of a master manipulator for a robotic system to assist with single port endoscopic surgery. , 2012, , .		2
274	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
275	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
276	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
277	A Microsurgical Robotic System that Induces a Multisensory Illusion. <i>International Journal of Humanoid Robotics</i> , 2016, 13, 1650018.	1.1	2
278	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
279	Novel imaging using a touchless display for computer-assisted hepato-biliary surgery. <i>Surgery Today</i> , 2017, 47, 1512-1518.	1.5	2
280	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
281	Laparoscopic Forceps Manipulator with Multi-Slider Linkage Mechanisms. <i>Journal of Life Support Engineering</i> , 2004, 16, 233-234.	0.0	2
282	Phantom Experiment of An Ear Surgery Robot for Automatic Mastoidectomy. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2010, 2010.5, 295-300.	0.0	2
283	Development of a Self-Propelled Actively Bendable Colonoscope Robot with a "Party Horn" Propulsion Mechanism. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 68-69.	0.0	2
284	Results of endotoxin absorption after a subtotal resection of the small intestine and a right hemicolectomy for severe superior mesenteric ischemia. <i>Hepato-Gastroenterology</i> , 2002, 49, 1303-6.	0.5	2
285	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
286	Endoscopic injection sclerotherapy for esophageal varices in the elderly. <i>World Journal of Surgery</i> , 1994, 18, 764-768.	1.6	1
287	Gastric Mucosal hemodynamics in portal-hypertensive gastropathy: The debate goes on. <i>Hepatology</i> , 1995, 22, 1002-1004.	7.3	1
288	Endoscopic ligation of oesophageal varices compared with injection sclerotherapy in primary biliary cirrhosis. <i>European Journal of Gastroenterology and Hepatology</i> , 2000, 12, 1111-1115.	1.6	1

#	ARTICLE	IF	CITATIONS
289	Development of camera model and calibration procedure for an oblique-viewing endoscope. Electronics and Communications in Japan, 2005, 88, 19-31.	0.2	1
290	Compact Manipulator System for Guiding Needle with Real-time Navigation Based on MR Images. Journal of Japan Society of Computer Aided Surgery, 2007, 9, 103-111.	0.0	1
291	Integrated system for RFA therapy with biomechanical simulation and needle insertion robot. , 2009, , .		1
292	Development of Pseudo 3D Visualization System by Superimposing Ultrasound Images. , 2009, , .		1
293	Electromagnetic thermoablation to treat thrombocytopenia in cirrhotic and hypersplenic rats. Journal of Gastroenterology and Hepatology (Australia), 2010, 25, 1470-1472.	2.8	1
294	Development of a novel controllable, multidirectional, reusable metallic port with a wide working space. Minimally Invasive Therapy and Allied Technologies, 2013, 22, 319-323.	1.2	1
295	A new objective assessment of the suture ligation method for laparoscopic intestinal anastomosis. Journal of Japan Society of Computer Aided Surgery, 2015, 17, 15-22.	0.0	1
296	The usefulness of arcuate fasciculus tractography integrated navigation for glioma surgery near the language area; Clinical Investigation. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2017, 7, 22-28.	0.3	1
297	Preoperative simulation unveiled undetected surgical difficulties in a case of cochlear implantation. BMJ Case Reports, 2017, 2017, bcr-2017-222657.	0.5	1
298	Successful video-assisted thoracoscopic surgery in prone position in patients with esophageal cancer and aberrant right subclavian artery: report of three cases. Surgical Case Reports, 2017, 3, 86.	0.6	1
299	Patient-tailored classification for a NIRS triggered hand rehabilitation robot. , 2018, , .		1
300	Intelligent Information-Guided Robotic Surgery. , 2018, , .		1
301	Effectiveness of Mechanical Design Optimization Using a Human-in-the-Loop Simulator for the Development of a Pediatric Surgical Robot. Applied Sciences (Switzerland), 2019, 9, 4136.	2.5	1
302	Needle Guiding Robot with Five-bar linkage for MR Guided Thermotherapy of Liver Tumor. Journal of Life Support Engineering, 2004, 16, 235-236.	0.0	1
303	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
304	Three-dimensional target tracking and autonomous positioning using probe-holding robot. Choonpa Igaku, 2018, 45, 149-157.	0.0	1
305	Spherical and Non-Spherical Combined Two Degree-of-Freedom Rotational Parallel Mechanism for a Microsurgical Robotic System. Journal of Robotics and Mechatronics, 2018, 30, 846-854.	1.0	1
306	Development of a Self-Propelled Colonoscope Robot with a Conical Worm Gear Mechanism. Journal of Japan Society of Computer Aided Surgery, 2019, 21, 5-11.	0.0	1

#	ARTICLE	IF	CITATIONS
307	The effect of prostacyclin on the gastric mucosa in portal-hypertensive rats. <i>Hepato-Gastroenterology</i> , 2002, 49, 279-84.	0.5	1
308	Endoscopic markers of impending varceal hemorrhage: Correlation with the pressure in the varices. <i>Hepatology</i> , 1990, 11, 147-148.	7.3	0
309	Recumbent posture may lead to esophageal variceal bleeding in postprandial phase. <i>Journal of Gastroenterology</i> , 1999, 34, 428-430.	5.1	0
310	An interactive planning system for optimal trocar site placement of surgical robot da Vinci. <i>International Congress Series</i> , 2004, 1268, 1336.	0.2	0
311	Successful salvage after necrotizing fasciitis in a lower extremity with hip and knee replacement. <i>Current Orthopaedic Practice</i> , 2010, 21, 223-225.	0.2	0
312	Board 549- Technology Innovations Abstract A New Objective Assessment System of the Suture Ligature Method of the Intestinal Anastomosis Model for Laparoscopic Surgery (Submission #856). <i>Simulation in Healthcare</i> , 2013, 8, 635.	1.2	0
313	Operability study on the multisensory illusion inducible in microsurgical robotic systems. , 2015, , .		0
314	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
315	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
316	Successful use of flexible silicone mesh for management of prolonged open abdomen. <i>Acute Medicine & Surgery</i> , 2019, 6, 400-403.	1.2	0
317	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
318	Reflectance spectra analysis for mucous assessment. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 822-834.	2.0	0
319	Needle Insertion Path Decision by Visual Servo Control. <i>Journal of Life Support Engineering</i> , 2004, 16, 243-244.	0.0	0
320	Assessment of the prophylactic effect and safety of propranolol in upper gastrointestinal bleeding associated with portal blood circulation disorder (portal hypertension). <i>Acta Hepatologica Japonica</i> , 2004, 45, 248-260.	0.1	0
321	527 Image-based Computational Fluid Dynamics Study on Budd-Chiari Syndrome. <i>The Proceedings of the JSME Annual Meeting</i> , 2006, 2006.5, 109-110.	0.0	0
322	1127 Image-based CFD of Blood Flow in the Hepatic Portion of the Inferior Vena Cava on Budd-Chiari Syndrome. <i>The Proceedings of the JSME Annual Meeting</i> , 2007, 2007.6, 93-94.	0.0	0
323	A218 Image-based CFD of blood flow field in the hepatic portion of the inferior vena cava on Budd-Chiari syndrome. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering</i> , 2007, 2007.18, 111-112.	0.0	0
324	Microtechnologies in Advanced Medicine. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2008, 128, 369-372.	0.1	0

#	ARTICLE	IF	CITATIONS
325	Development of a New Integrated Robot for Resistance Training of Muscles. Journal of the Robotics Society of Japan, 2008, 26, 872-873.	0.1	0
326	125 Numerical Study of Blood Flow in the Hepatic Portion of the Inferior Vena Cava on Budd-Chiari Syndrome. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 257-258.	0.0	0
327	J165034 Development of Robotic Palpation System to Measure the Nonlinear Elasticity for Breast Cancer Diagnosis Support : Consideration of Compression Method Using Two Indenters by Finite Element Analysis. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, J165034-1- J165034-3.	0.0	0
328	Current advances in medical robotic surgery. The Japanese Journal of Jaw Deformities, 2012, 22, 47-48.	0.1	0
329	Development of a Surgical Robot with Vision Field Control for Single Port Endoscopic Surgery. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 183-189.	0.2	0
330	Reliability of the power spectrum analysis of the heart rate variability by Holter electrocardiography.. Japanese Journal of Electrocardiology, 1992, 12, 389-398.	0.0	0
331	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
332	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
333	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
334	Current State in Development of Surgical Robotic System. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, W221002.	0.0	0
335	Current Status of Computer Technologies for Gastroenterological Surgery. Journal of Japan Society of Computer Aided Surgery, 2018, 20, 151-153.	0.0	0
336	Freehand 3D Ultrasound Technique for Ultrasound Navigation. Journal of Japan Society of Computer Aided Surgery, 2019, 21, 75-80.	0.0	0
337	Reply by Authors. Journal of Urology, 2020, 204, 156-156.	0.4	0
338	The skill qualification system for portal hypertension in Japan. DEN Open, 2022, 2, e74.	0.9	0
339	Clinical Applications of MCA to Surgery. , 2022, , 81-87.		0
340	Pulmonary embolism following laparoscopic surgery: a report of two cases. Hepato-Gastroenterology, 2002, 49, 719-20.	0.5	0
341	New concept of cholecystectomy combined resection of the gallbladder bed for chronic cholecystitis. Hepato-Gastroenterology, 2006, 53, 335-7.	0.5	0
342	Requisites for the remote-controlled wide-view CCD camera unit for natural orifice transluminal endoscopic surgery placed in the intraperitoneal cavity. Surgical Technology International, 2010, 19, 38-46.	0.2	0

#	ARTICLE	IF	CITATIONS
343	Minimally invasive image analysis of biliary-pancreatic structure for preoperative simulation. Hepato-Gastroenterology, 2014, 61, 1744-7.	0.5	0
344	Asymmetrical surface scanning registration for image-guided otologic surgery: A phantom study. Nihon Jibi Inko Gakkaishi, 2022, 125, 213-214.	0.1	0