

Michele Diana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3061329/publications.pdf>

Version: 2024-02-01

182
papers

4,879
citations

76196

40
h-index

138251

58
g-index

190
all docs

190
docs citations

190
times ranked

4240
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical guide for the use of indocyanine green and methylene blue in fluorescence-guided abdominal surgery. <i>Journal of Surgical Oncology</i> , 2018, 118, 283-300.	0.8	217
2	Robotic surgery. <i>British Journal of Surgery</i> , 2015, 102, e15-e28.	0.1	213
3	Enhanced-Reality Video Fluorescence. <i>Annals of Surgery</i> , 2014, 259, 700-707.	2.1	145
4	Towards cybernetic surgery: robotic and augmented reality-assisted liver segmentectomy. <i>Langenbeck's Archives of Surgery</i> , 2015, 400, 381-385.	0.8	136
5	Surgical Site Infections in Colon Surgery. <i>Archives of Surgery</i> , 2011, 146, 1240.	2.3	105
6	Intraoperative fluorescence-based enhanced reality laparoscopic real-time imaging to assess bowel perfusion at the anastomotic site in an experimental model. <i>British Journal of Surgery</i> , 2015, 102, e169-e176.	0.1	104
7	Prospective evaluation of peritoneal fluid contamination following transabdominal vs. transanal specimen extraction in laparoscopic left-sided colorectal resections. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 1495-1500.	1.3	103
8	Indocyanine green-based fluorescence imaging in visceral and hepatobiliary and pancreatic surgery: State of the art and future directions. <i>World Journal of Gastroenterology</i> , 2018, 24, 2921-2930.	1.4	95
9	Transvaginal specimen extraction in colorectal surgery: current state of the art. <i>Colorectal Disease</i> , 2011, 13, e104-e111.	0.7	87
10	A Novel Telemanipulated Robotic Assistant for Surgical Endoscopy: Preclinical Application to ESD. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 797-808.	2.5	87
11	<scp>IRCAD</scp> recommendation on safe laparoscopic cholecystectomy. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2017, 24, 603-615.	1.4	82
12	Virtual and Augmented Reality in Oncologic Liver Surgery. <i>Surgical Oncology Clinics of North America</i> , 2019, 28, 31-44.	0.6	72
13	Real-time navigation by fluorescence-based enhanced reality for precise estimation of future anastomotic site in digestive surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 3108-3118.	1.3	66
14	Augmented Reality-Guided Artery-First Pancreatico-Duodenectomy. <i>Journal of Gastrointestinal Surgery</i> , 2013, 17, 1980-1983.	0.9	65
15	Evaluation of hyperspectral imaging (HSI) for the measurement of ischemic conditioning effects of the gastric conduit during esophagectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 3775-3782.	1.3	63
16	Consensus Conference Statement on the General Use of Near-infrared Fluorescence Imaging and Indocyanine Green Guided Surgery. <i>Annals of Surgery</i> , 2022, 275, 685-691.	2.1	63
17	Evolution of Glycolipid Profile After Sleeve Gastrectomy vs. Roux-en-Y Gastric Bypass: Results of a Prospective Randomized Clinical Trial. <i>Obesity Surgery</i> , 2013, 23, 613-621.	1.1	61
18	Trans-Thoracic Minimally Invasive Liver Resection Guided by Augmented Reality. <i>Journal of the American College of Surgeons</i> , 2015, 220, e55-e60.	0.2	61

#	ARTICLE	IF	CITATIONS
19	Robotic duodenopancreatectomy assisted with augmented reality and real-time fluorescence guidance. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 2493-2498.	1.3	59
20	Inventing the Future of Surgery. <i>World Journal of Surgery</i> , 2015, 39, 615-622.	0.8	59
21	Impact of Roux-en-Y gastric bypass versus sleeve gastrectomy on vitamin D metabolism: short-term results from a prospective randomized clinical trial. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 821-826.	1.3	57
22	MAGNAMOSIS IV: magnetic compression anastomosis for minimally invasive colorectal surgery. <i>Endoscopy</i> , 2013, 45, 643-648.	1.0	54
23	Minimally invasive single-site surgery for the digestive system: A technological review. <i>Journal of Minimal Access Surgery</i> , 2011, 7, 40.	0.4	53
24	Minimal invasive single-site surgery in colorectal procedures: Current state of the art. <i>Journal of Minimal Access Surgery</i> , 2011, 7, 52.	0.4	51
25	Probe-based confocal laser endomicroscopy and fluorescence-based enhanced reality for real-time assessment of intestinal microcirculation in a porcine model of sigmoid ischemia. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 3224-3233.	1.3	51
26	Next step in minimally invasive surgery: hybrid image-guided surgery. <i>Journal of Pediatric Surgery</i> , 2015, 50, 30-36.	0.8	51
27	Measures to Prevent Surgical Site Infections: What Surgeons (Should) Do. <i>World Journal of Surgery</i> , 2011, 35, 280-288.	0.8	50
28	High intensity focused ultrasound (HIFU) applied to hepato-bilio-pancreatic and the digestive system—current state of the art and future perspectives. <i>Hepatobiliary Surgery and Nutrition</i> , 2016, 5, 329-344.	0.7	50
29	Feedforward Artificial Neural Network-Based Colorectal Cancer Detection Using Hyperspectral Imaging: A Step towards Automatic Optical Biopsy. <i>Cancers</i> , 2021, 13, 967.	1.7	50
30	Robust augmented reality registration method for localization of solid organs™ tumors using CT-derived virtual biomechanical model and fluorescent fiducials. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 2863-2871.	1.3	49
31	HYperspectral Enhanced Reality (HYPER): a physiology-based surgical guidance tool. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 1736-1744.	1.3	48
32	The ANUBIS,€ project. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2010, 19, 257-261.	0.6	47
33	Experimental in vitro mechanical characterization of porcine Glisson's capsule and hepatic veins. <i>Journal of Biomechanics</i> , 2011, 44, 1678-1683.	0.9	47
34	Three-Dimensional Virtual Neck Exploration before Parathyroidectomy. <i>New England Journal of Medicine</i> , 2012, 367, 1072-1073.	13.9	46
35	Endoluminal surgical triangulation: overcoming challenges of colonic endoscopic submucosal dissections using a novel flexible endoscopic surgical platform: feasibility study in a porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 4130-4135.	1.3	46
36	Prospective Evaluation of Precision Multimodal Gallbladder Surgery Navigation. <i>Annals of Surgery</i> , 2017, 266, 890-897.	2.1	46

#	ARTICLE	IF	CITATIONS
37	Near-infrared cholecystocholangiography with direct intragallbladder indocyanine green injection: preliminary clinical results. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 1506-1514.	1.3	46
38	New intraoperative imaging technologies: Innovating the surgeon's eye toward surgical precision. <i>Journal of Surgical Oncology</i> , 2018, 118, 265-282.	0.8	46
39	Comparison of hyperspectral imaging and fluorescence angiography for the determination of the transection margin in colorectal resections—a comparative study. <i>International Journal of Colorectal Disease</i> , 2021, 36, 283-291.	1.0	43
40	The ANUBISCOPE® flexible platform ready for prime time: description of the first clinical case. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 2630-2630.	1.3	42
41	Endoluminal surgical triangulation 2.0: A new flexible surgical robot. Preliminary pre-clinical results with colonic submucosal dissection. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1819.	1.2	42
42	Virtual Reality Exploration and Planning for Precision Colorectal Surgery. <i>Diseases of the Colon and Rectum</i> , 2018, 61, 719-723.	0.7	42
43	Computer-assisted quantification and visualization of bowel perfusion using fluorescence-based enhanced reality in left-sided colonic resections. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4321-4331.	1.3	42
44	Quantitative fluorescence angiography versus hyperspectral imaging to assess bowel ischemia: A comparative study in enhanced reality. <i>Surgery</i> , 2020, 168, 178-184.	1.0	38
45	Laparo-Endoscopic Single-Site (LESS) with Transanal Natural Orifice Specimen Extraction (NOSE) Sigmoidectomy: A New Step before Pure Colorectal Natural Orifices Transluminal Endoscopic Surgery (NOTES®). <i>Journal of Gastrointestinal Surgery</i> , 2011, 15, 1488-1492.	0.9	37
46	Porcine model for free-flap breast reconstruction training. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2015, 68, 1402-1409.	0.5	37
47	Laparoscopic system for simultaneous high-resolution video and rapid hyperspectral imaging in the visible and near-infrared spectral range. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	36
48	Robotic surgery in emergency setting: 2021 WSES position paper. <i>World Journal of Emergency Surgery</i> , 2022, 17, 4.	2.1	36
49	Transanal extraction of the specimen during laparoscopic colectomy. <i>Colorectal Disease</i> , 2011, 13, 23-27.	0.7	35
50	Fluorescence-based cholangiography: preliminary results from the IHU-IRCAD-EAES EURO-FIGS registry. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 3888-3896.	1.3	35
51	Redistribution of Gastric Blood Flow by Embolization of Gastric Arteries Before Esophagectomy. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1546-1551.	0.7	34
52	Real-time, wide-field and high-quality single snapshot imaging of optical properties with profile correction using deep learning. <i>Biomedical Optics Express</i> , 2020, 11, 5701.	1.5	34
53	Intraoperative Guidance Using Hyperspectral Imaging: A Review for Surgeons. <i>Diagnostics</i> , 2021, 11, 2066.	1.3	33
54	Fluorescence-based bowel anastomosis perfusion evaluation: results from the IHU-IRCAD-EAES EURO-FIGS registry. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 7142-7153.	1.3	32

#	ARTICLE	IF	CITATIONS
55	Laparoscopic anatomical liver resection for malignancies using positive or negative staining technique with intraoperative indocyanine green-fluorescence imaging. <i>Hpb</i> , 2021, 23, 1647-1655.	0.1	31
56	Linearly chirped fiber Bragg grating response to thermal gradient: from bench tests to the real-time assessment during in vivo laser ablations of biological tissue. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	31
57	Single port laparoscopic cholecystectomy: which technique, which surgeon, for which patient? A study of the implementation in a teaching hospital. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2011, 18, 453-457.	1.4	30
58	Near-infrared cholecysto-cholangiography with indocyanine green may secure cholecystectomy in difficult clinical situations: proof of the concept in a porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 4115-4123.	1.3	30
59	Automatic Recognition of Colon and Esophagogastric Cancer with Machine Learning and Hyperspectral Imaging. <i>Diagnostics</i> , 2021, 11, 1810.	1.3	30
60	Updates on gastric electrical stimulation to treat obesity: Systematic review and future perspectives. <i>World Journal of Gastrointestinal Endoscopy</i> , 2014, 6, 419.	0.4	29
61	Enabling precision digestive surgery with fluorescence imaging. <i>Translational Gastroenterology and Hepatology</i> , 2017, 2, 97-97.	1.5	28
62	Totally Endoscopic Magnetic Enteral Bypass by External Guided Rendez-Vous Technique. <i>Surgical Innovation</i> , 2011, 18, 317-320.	0.4	27
63	Embolization of Arterial Gastric Supply in Obesity (EMBARGO): an Endovascular Approach in the Management of Morbid Obesity. Proof of the Concept in the Porcine Model. <i>Obesity Surgery</i> , 2015, 25, 550-558.	1.1	27
64	Hyperspectral enhanced reality (HYPER) for anatomical liver resection. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 1844-1850.	1.3	27
65	Perirectal Oncologic Gateway to Retroperitoneal Endoscopic Single-Site Surgery (PROGRESSS). <i>Surgical Innovation</i> , 2012, 19, 345-352.	0.4	26
66	Discrimination between arterial and venous bowel ischemia by computer-assisted analysis of the fluorescent signal. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 1988-1997.	1.3	26
67	Laparoscopic extraperitoneal colostomy in elective abdominoperineal resection for cancer: a single surgeon experience. <i>Colorectal Disease</i> , 2012, 14, e618-22.	0.7	25
68	Esophageal covered stent fixation using an endoscopic over-the-scope clip. Mechanical proof of the concept and first clinical experience. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 3367-3372.	1.3	25
69	The quest for precision in transanal total mesorectal excision. <i>Techniques in Coloproctology</i> , 2016, 20, 11-18.	0.8	24
70	Successful extracorporeal membrane oxygenation treatment for pheochromocytoma-induced acute cardiac failure. <i>American Journal of Emergency Medicine</i> , 2012, 30, 1017.e1-1017.e3.	0.7	23
71	Management of Staple Line Leaks After Sleeve Gastrectomy in a Consecutive Series of 378 Patients. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2015, 25, 89-93.	0.4	23
72	An Original Endoluminal Magnetic Anastomotic Device Allowing Pure NOTES Transgastric and Transrectal Sigmoidectomy in a Porcine Model. <i>Surgical Innovation</i> , 2012, 19, 109-116.	0.4	22

#	ARTICLE	IF	CITATIONS
73	Multimodal imaging of a humanized orthotopic model of hepatocellular carcinoma in immunodeficient mice. <i>Scientific Reports</i> , 2016, 6, 35230.	1.6	22
74	Near-infrared fluorescent coatings of medical devices for image-guided surgery. <i>Biomaterials</i> , 2020, 261, 120306.	5.7	22
75	Three-dimensional Metabolic and Radiologic Gathered Evaluation Using VR-RENDER Fusion: A Novel Tool to Enhance Accuracy in the Localization of Parathyroid Adenomas. <i>World Journal of Surgery</i> , 2013, 37, 1618-1625.	0.8	21
76	Simultaneous computer-assisted assessment of mucosal and serosal perfusion in a model of segmental colonic ischemia. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 4818-4827.	1.3	21
77	Metabolism-Guided Bowel Resection. <i>Surgical Innovation</i> , 2015, 22, 453-461.	0.4	20
78	Endoluminal full-thickness suture repair of gastrotomy: a survival study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 3404-3408.	1.3	19
79	Superselective intra-arterial hepatic injection of indocyanine green (ICG) for fluorescence image-guided segmental positive staining: experimental proof of the concept. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 1451-1460.	1.3	19
80	A step towards stereotactic navigation during pelvic surgery: 3D nerve topography. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 3582-3591.	1.3	19
81	Hyperspectral based discrimination of thyroid and parathyroid during surgery. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 399-402.	0.2	19
82	Critical View of Safety During Laparoscopic Cholecystectomy: From the Surgeon's Eye to Fluorescent Vision. <i>Surgical Innovation</i> , 2018, 25, 197-198.	0.4	18
83	Automatic Liver Viability Scoring with Deep Learning and Hyperspectral Imaging. <i>Diagnostics</i> , 2021, 11, 1527.	1.3	18
84	Prediction of In Vivo Laser-Induced Thermal Damage with Hyperspectral Imaging Using Deep Learning. <i>Sensors</i> , 2021, 21, 6934.	2.1	18
85	Revisional surgery after failed adjustable gastric banding: institutional experience with 90 consecutive cases. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 4044-4048.	1.3	17
86	Hyperspectral evaluation of hepatic oxygenation in a model of total vs. arterial liver ischaemia. <i>Scientific Reports</i> , 2020, 10, 15441.	1.6	17
87	Intraoperative Time-Out to Promote the Implementation of the Critical View of Safety in Laparoscopic Cholecystectomy: A Video-Based Assessment of 343 Procedures. <i>Journal of the American College of Surgeons</i> , 2021, 233, 497-505.	0.2	17
88	Original Technique to Close the Transrectal Viscerotomy Access in a NOTES Transrectal and Transgastric Segmental Colectomy. <i>Surgical Innovation</i> , 2011, 18, 193-200.	0.4	16
89	A modular magnetic anastomotic device for minimally invasive digestive anastomosis: proof of concept and preliminary data in the pig model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 1613-1623.	1.3	16
90	Remote computer-assisted analysis of ICG fluorescence signal for evaluation of small intestinal anastomotic perfusion: a blinded, randomized, experimental trial. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 2095-2102.	1.3	16

#	ARTICLE	IF	CITATIONS
91	Hyperspectral Imagery for Assessing Laser-Induced Thermal State Change in Liver. <i>Sensors</i> , 2021, 21, 643.	2.1	16
92	Prospective experimental study of transrectal viscerotomy closure using transanal endoscopic suture vs. circular stapler: a step toward NOTES. <i>Endoscopy</i> , 2012, 44, 605-611.	1.0	15
93	Hybrid fluorescent magnetic gastrojejunostomy: an experimental feasibility study in the porcine model and human cadaver. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 1393-1400.	1.3	15
94	A Novel Technique to Improve Anastomotic Perfusion Prior to Esophageal Surgery: Hybrid Ischemic Preconditioning of the Stomach. Preclinical Efficacy Proof in a Porcine Survival Model. <i>Cancers</i> , 2020, 12, 2977.	1.7	15
95	Application of Indocyanine Green Fluorescence as an Adjuvant to Laparoscopic Ultrasound in Minimally Invasive Liver Resection. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2021, 31, 517-523.	0.5	15
96	Fluorescent cholangiography: An up-to-date overview twelve years after the first clinical application. <i>World Journal of Gastroenterology</i> , 2021, 27, 5989-6003.	1.4	15
97	Improving Echo-Guided Procedures Using an Ultrasound-CT Image Fusion System. <i>Surgical Innovation</i> , 2015, 22, 217-222.	0.4	14
98	Cirugía guiada por fluorescencia aplicada al aparato digestivo: el ojo cibernético permite ver lo invisible. <i>Cirugía Española</i> , 2018, 96, 65-68.	0.1	14
99	Deep Learning Analysis of In Vivo Hyperspectral Images for Automated Intraoperative Nerve Detection. <i>Diagnostics</i> , 2021, 11, 1508.	1.3	14
100	New technologies for single-site robotic surgery in hepato-biliary-pancreatic surgery. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2014, 21, 34-42.	1.4	13
101	Hyperspectral imaging for thermal effect monitoring in in vivo liver during laser ablation. , 2019, 2019, 1851-1854.		13
102	Quantification of ICG fluorescence for the evaluation of intestinal perfusion: comparison between two software-based algorithms for quantification. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 5043-5050.	1.3	13
103	Retroperitoneal abscess with concomitant hepatic portal venous gas and rectal perforation: a rare triad of complications of acute appendicitis. A case report. <i>World Journal of Emergency Surgery</i> , 2010, 5, 3.	2.1	12
104	Gastric Supply Manipulation to Modulate Ghrelin Production and Enhance Vascularization to the Cardia. <i>Surgical Innovation</i> , 2015, 22, 5-14.	0.4	12
105	Comprehensive preclinical evaluation of a multi-physics model of liver tumor radiofrequency ablation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 1543-1559.	1.7	12
106	Optimization of liposomal indocyanine green for imaging of the urinary pathways and a proof of concept in a pig model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 963-970.	1.3	12
107	Quantitative serosal and mucosal optical imaging perfusion assessment in gastric conduits for esophageal surgery: an experimental study in enhanced reality. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 35, 5827-5835.	1.3	12
108	Age impact on weight loss and glycolipid profile after laparoscopic sleeve gastrectomy: experience with 308 consecutive patients. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 803-810.	1.3	11

#	ARTICLE	IF	CITATIONS
109	Intraoperative Perfusion Assessment in Enhanced Reality Using Quantitative Optical Imaging: An Experimental Study in a Pancreatic Partial Ischemia Model. <i>Diagnostics</i> , 2021, 11, 93.	1.3	11
110	A novel method for near-infrared fluorescence imaging of the urethra during perineal and transanal surgery: demonstration in a cadaveric model. <i>Colorectal Disease</i> , 2020, 22, 1749-1753.	0.7	11
111	Cardiovascular risk assessment between urban and rural population in Malaysia. <i>Medical Journal of Malaysia</i> , 2016, 71, 331-337.	0.2	11
112	Border Line Definition Using Hyperspectral Imaging in Colorectal Resections. <i>Cancers</i> , 2022, 14, 1188.	1.7	11
113	New Intraoperative Imaging Tools and Image-Guided Surgery in Gastric Cancer Surgery. <i>Diagnostics</i> , 2022, 12, 507.	1.3	11
114	Novel laparoscopic narrow band imaging for real-time detection of bile leak during hepatectomy: proof of the concept in a porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 3128-3132.	1.3	10
115	Precision real-time evaluation of bowel perfusion: accuracy of confocal endomicroscopy assessment of stoma in a controlled hemorrhagic shock model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 680-691.	1.3	10
116	Reply to Letter. <i>Annals of Surgery</i> , 2017, 265, e49-e52.	2.1	10
117	Intraoperative ureter identification with a novel fluorescent catheter. <i>Scientific Reports</i> , 2021, 11, 4501.	1.6	10
118	Role of Indocyanine Green Fluorescence Imaging in Minimally Invasive Resection of Colorectal Liver Metastases. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2022, 32, 259-265.	0.4	10
119	Multipoint temperature monitoring in liver undergoing computed tomography-guided radiofrequency ablation with fiber Bragg grating probes. , 2016, 2016, 5174-5179.		9
120	Solutions to Improve the Outcomes of Thermal Treatments in Oncology: Multipoint Temperature Monitoring. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2018, 2, 172-178.	2.3	9
121	Preoperative endoscopic marking of the gastrointestinal tract using fluorescence imaging: submucosal indocyanine green tattooing versus a novel fluorescent over-the-scope clip in a survival experimental study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 5115-5123.	1.3	9
122	Super-Selective Intra-Arterial Indocyanine Green Administration for Near-Infrared Fluorescence-Based Positive Staining of Hepatic Segmentation: A Feasibility Study. <i>Surgical Innovation</i> , 2021, 28, 669-678.	0.4	9
123	A Novel Technique to Treat hydrothorax in Peritoneal Dialysis: Laparoscopic Hepato-diaphragmatic Adhesion. <i>Peritoneal Dialysis International</i> , 2011, 31, 692-694.	1.1	8
124	Learning curves in expert and non-expert laparoscopic surgeons for robotic suturing with the da Vinci® Surgical System. <i>Journal of Robotic Surgery</i> , 2013, 7, 29-34.	1.0	8
125	Real-time fluorescence angiography by intra-arterial indocyanine green injection to identify obscure gastrointestinal bleeding territory: proof of concept in the porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 2143-2150.	1.3	8
126	Laser ablation of the biliary tree: <i>in vivo</i> proof of concept as potential treatment of unresectable cholangiocarcinoma. <i>International Journal of Hyperthermia</i> , 2018, 34, 1372-1380.	1.1	8

#	ARTICLE	IF	CITATIONS
127	Fluorescence-enabled assessment of adrenal gland localization and perfusion in posterior retroperitoneoscopic adrenal surgery in a preclinical model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 1401-1411.	1.3	8
128	Development and validity evidence of an objective structured assessment of technical skills score for minimally invasive linear-stapled, hand-sewn intestinal anastomoses: the A-OSATS score. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 4529-4541.	1.3	8
129	Statistical models to preoperatively predict operative difficulty in laparoscopic cholecystectomy: A systematic review. <i>Surgery</i> , 2022, 171, 1158-1167.	1.0	8
130	Perioperative Hyperspectral Imaging to Assess Mastectomy Skin Flap and DIEP Flap Perfusion in Immediate Autologous Breast Reconstruction: A Pilot Study. <i>Diagnostics</i> , 2022, 12, 184.	1.3	8
131	Near-Infrared Fluorescence Image-Guided Surgery in Esophageal and Gastric Cancer Operations. <i>Surgical Innovation</i> , 2022, 29, 540-549.	0.4	8
132	Confocal Imaging and Tissue-Specific Fluorescent Probes for Real-Time In Vivo Immunohistochemistry. Proof of the Concept in a Gastric Lymph Node Metastasis Model. <i>Annals of Surgical Oncology</i> , 2016, 23, 567-573.	0.7	7
133	Experimental Evaluation of the Optimal Suture Pattern With a Flexible Endoscopic Suturing System. <i>Surgical Innovation</i> , 2017, 24, 201-204.	0.4	7
134	Prevention of laparoscopic surgery induced hypothermia with warmed humidified insufflation: Is the experimental combination of a warming blanket synergistic?. <i>PLoS ONE</i> , 2018, 13, e0199369.	1.1	7
135	Comprehensive Review of Fluorescence Applications in Gynecology. <i>Journal of Clinical Medicine</i> , 2021, 10, 4387.	1.0	7
136	Intraoperative bowel perfusion quantification with hyperspectral imaging: a guidance tool for precision colorectal surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 8520-8532.	1.3	7
137	Comparative analysis of resuscitation using human serum albumin and crystalloids or 130/0.4 hydroxyethyl starch and crystalloids on skeletal muscle metabolic profile during experimental haemorrhagic shock in swine. <i>European Journal of Anaesthesiology</i> , 2017, 34, 89-97.	0.7	6
138	Fluorescence lymphangiography-guided full-thickness oncologic gastric resection. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 620-632.	1.3	6
139	Modular laser-based endoluminal ablation of the gastrointestinal tract: in vivo dose effect evaluation and predictive numerical model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 3200-3208.	1.3	6
140	Simultaneous multipurpose fluorescence imaging with IRDye® 800BK during laparoscopic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4840-4848.	1.3	6
141	Precision image-guided colonic surgery: proof of concept for enhanced preoperative and intraoperative vascular imaging. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 962-970.	1.3	6
142	Solitary Fibrous Tumor of the Great Omentum. <i>Journal of Minimally Invasive Gynecology</i> , 2011, 18, 694-695.	0.3	5
143	Novel method for hybrid endo-laparoscopic full-thickness gastric resection using laparoscopic transgastric suture passer device. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 1683-1691.	1.3	5
144	Near infrared fluorescence imaging of the urethra: a systematic review of the literature. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2022, 31, 342-349.	0.6	5

#	ARTICLE	IF	CITATIONS
145	Demarcation Line Assessment in Anatomical Liver Resection: An Overview. <i>Surgical Innovation</i> , 2020, 27, 424-430.	0.4	5
146	Submucosal Endoscopic Myotomies for Esophageal Lengthening: A Novel Minimally Invasive Technique with Feasibility Study. <i>European Journal of Pediatric Surgery</i> , 2012, 22, 217-221.	0.7	4
147	Thoracoscopic management of chylothorax after esophagectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 1160-1160.	1.3	4
148	Experimental and finite element analysis for prediction of kidney injury under blunt impact. <i>Journal of Biomechanics</i> , 2017, 52, 2-10.	0.9	4
149	Effects of Nd:YAG laser for the controlled and localized treatment of early gastrointestinal tumors: Preliminary in vivo study. , 2017, 2017, 4533-4536.		4
150	Influence of intraoperative vasopressor use on indocyanine green fluorescence angiography: first evaluation in an experimental model. <i>Scientific Reports</i> , 2021, 11, 9650.	1.6	4
151	Fluorescence-Based Enhanced Reality for Colorectal Endoscopic Surgery. <i>Lecture Notes in Computer Science</i> , 2014, , 114-123.	1.0	4
152	Single Snapshot Imaging of Optical Properties (SSOP) for Perfusion Assessment during Gastric Conduit Creation for Esophagectomy: An Experimental Study on Pigs. <i>Cancers</i> , 2021, 13, 6079.	1.7	4
153	Polypoid Gallbladder Lesion in the Context of Renal Cell Carcinoma. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2013, 1, 232470961349900.	0.3	3
154	Laparoscopic Tension-free Abdominal Wall Repair. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2014, 24, 461-464.	0.4	3
155	Confocal Laser Endomicroscopy Guided Endoscopic Myotomy. <i>Gastroenterology</i> , 2014, 147, 31-32.	0.6	3
156	Validation of MRI for Volumetric Quantification of Atelectasis in the Perioperative Period: An Experimental Study in Swine. <i>Frontiers in Physiology</i> , 2019, 10, 695.	1.3	3
157	The Use of IRDye 800BK for Intraoperative Ureteral Visualization: The Future of the Ureter Is Bright!. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2020, 30, 987-988.	0.5	3
158	Intraoperative imaging for remnant viability assessment in bilateral posterior retroperitoneoscopic partial adrenalectomy in an experimental model. <i>British Journal of Surgery</i> , 2020, 107, 1780-1790.	0.1	3
159	Endoscopic Preoperative Tattooing and Marking in the Gastrointestinal Tract: A Systematic Review of Alternative Methods. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2020, 30, 953-961.	0.5	3
160	Does the socio-demographic profile of patients limit access to bariatric surgery?. <i>Eating and Weight Disorders</i> , 2022, 27, 1457-1466.	1.2	3
161	Fluorescence in rectal cancer surgery. <i>Annals of Laparoscopic and Endoscopic Surgery</i> , 2018, 3, 47-47.	0.5	3
162	Comparison of spectral characteristics in human and pig biliary system with hyperspectral imaging (HSI). <i>Current Directions in Biomedical Engineering</i> , 2020, 6, .	0.2	3

#	ARTICLE	IF	CITATIONS
163	Fluorescence Imaging in Colorectal Surgery: An Updated Review and Future Trends. Surgical Innovation, 2022, 29, 479-487.	0.4	3
164	Impact of nitrous oxide on the haemodynamic consequences of venous carbon dioxide embolism. European Journal of Anaesthesiology, 2016, 33, 356-360.	0.7	2
165	Impact of valve-less vs. standard insufflation on pneumoperitoneum volume, inflammation, and peritoneal physiology in a laparoscopic sigmoid resection experimental model. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 3215-3224.	1.3	2
166	Gastrointestinal Hormones Manipulation to Counteract Metabolic Syndrome Using Duodenal Targeted Embolization. Surgical Innovation, 2019, 26, 280-292.	0.4	2
167	Effects of Warmed and Humidified CO ₂ Surgical Site Insufflation in a Novel Experimental Model of Magnetic Compression Colonic Anastomosis. Surgical Innovation, 2021, 28, 7-17.	0.4	2
168	Liver transplantation for sickle cell disease: a systematic review. Hpb, 2021, 23, 994-999.	0.1	2
169	A Multimodal Approach to Prevent Laparoscopic High Peritoneal Air Fraction. Anesthesia and Analgesia, 2015, 121, 1402.	1.1	1
170	East Meets West—A Novel Steerable Grasper to Facilitate Gastric Endoscopic Submucosal Dissection (ESD). Surgical Innovation, 2015, 22, 117-122.	0.4	1
171	Use of a Closed Culture System to Improve the Safety of Lentiviral Vector Production. Human Gene Therapy Methods, 2015, 26, 197-210.	2.1	1
172	Fluorescence-based enhanced reality (FLER) for real-time estimation of bowel perfusion in minimally-invasive surgery. , 2016, , .		1
173	The GAMMA concept (gastrointestinal activity manipulation to modulate appetite) preliminary proofs of the concept of local vibrational gastric mechanical stimulation. Surgical Endoscopy and Other Interventional Techniques, 2020, 34, 5346-5353.	1.3	1
174	Intraoperative and postoperative complications in colorectal procedures: the role of continuous updating in medicine. Minerva Surgery, 2021, 76, 350-371.	0.1	1
175	La cyberchirurgie : lâ€™intÃ©gration homme-machine pour la chirurgie du futur. Bulletin De L'Academie Nationale De Medecine, 2013, 197, 1291-1301.	0.0	1
176	Flexible endoscopic single-incision extraperitoneal implant and fixation of peritoneal dialysis catheter: proof of concept in the porcine model. Surgical Endoscopy and Other Interventional Techniques, 2015, 29, 2402-2406.	1.3	0
177	Hyperspectral Imaging Quantification of Mouse Limb Microcirculation Using an Ischemia Reperfusion Model with Phosphodiesterase 5 Inhibitor Preconditioning. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2020, 30, 942-947.	0.5	0
178	RE: re: manuscript titled, â€œLiver transplantation for sickle cell disease: a systematic reviewâ€• Hpb, 2021, 23, 1136.	0.1	0
179	Introduction: From Multiport Laparoscopic Surgery to Single-Port Laparoscopic Surgery. , 2014, , 1-9.		0
180	Real-Time Assessment of Intestinal Perfusion by Fluorescence-Based Enhanced Reality. , 2015, , 293-300.		0

#	ARTICLE	IF	CITATIONS
181	Inventons la chirurgie du futur. HEGEL - HEpato-GastroEntérologie Libérale, 2016, N° 1, 43-50.	0.0	0
182	Long-term Efficacy of Total and Partial Posterior Fundoplication to Treat Gastroesophageal Reflux Disease. JAMA Surgery, 2022, , .	2.2	0