

Claire Chalopin

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

602
citations

759233

12
h-index

642732

23
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40
all docs

40
docs citations

40
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Border Line Definition Using Hyperspectral Imaging in Colorectal Resections. <i>Cancers</i> , 2022, 14, 1188.	3.7	11
2	New Intraoperative Imaging Tools and Image-Guided Surgery in Gastric Cancer Surgery. <i>Diagnostics</i> , 2022, 12, 507.	2.6	11
3	Tumor cell identification and classification in esophageal adenocarcinoma specimens by hyperspectral imaging. <i>Scientific Reports</i> , 2022, 12, 4508.	3.3	9
4	Novel Intraoperative Imaging of Gastric Tube Perfusion during Oncologic Esophagectomyâ€”A Pilot Study Comparing Hyperspectral Imaging (HSI) and Fluorescence Imaging (FI) with Indocyanine Green (ICG). <i>Cancers</i> , 2022, 14, 97.	3.7	15
5	Video: Clinical evaluation of a laparoscopic hyperspectral imaging system. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 7794-7799.	2.4	11
6	Hyperspectral imaging detects perfusion and oxygenation differences between stapled and hand-sewn intestinal anastomoses. <i>Innovative Surgical Sciences</i> , 2022, 7, 59-63.	0.7	4
7	Comparison of hyperspectral imaging and fluorescence angiography for the determination of the transection margin in colorectal resectionsâ€”a comparative study. <i>International Journal of Colorectal Disease</i> , 2021, 36, 283-291.	2.2	43
8	Feedforward Artificial Neural Network-Based Colorectal Cancer Detection Using Hyperspectral Imaging: A Step towards Automatic Optical Biopsy. <i>Cancers</i> , 2021, 13, 967.	3.7	50
9	Hyperspectral Imaging: A New Intraoperative Tool for Pouch Assessment in Patients Undergoing Restorative Proctocolectomy. <i>Visceral Medicine</i> , 2021, 37, 1-7.	1.3	2
10	Segmentation of brain tumour in 3D Intraoperative Ultrasound imaging. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2320.	2.3	1
11	Automatic Recognition of Colon and Esophagogastric Cancer with Machine Learning and Hyperspectral Imaging. <i>Diagnostics</i> , 2021, 11, 1810.	2.6	30
12	Using physiological parameters measured by hyperspectral imaging to detect colorectal cancer. , 2021, 2021, 3865-3868.		2
13	Precision Surgery In Rectal Resection With Hyperspectral and Fluorescence Imaging And Pelvic Intraoperative Neuromonitoring (With Video). <i>Surgical Technology International</i> , 2021, 38, 154-158.	0.2	1
14	Classification of hyperspectral endocrine tissue images using support vector machines. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, 1-10.	2.3	25
15	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, .	2.6	36
16	Comparison of spectral characteristics in human and pig biliary system with hyperspectral imaging (HSI). <i>Current Directions in Biomedical Engineering</i> , 2020, 6, .	0.4	3
17	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.	2.4	63
18	Tissue classification of oncologic esophageal resectates based on hyperspectral data. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1651-1661.	2.8	29

#	ARTICLE	IF	CITATIONS
19	Hyperspectral imaging as a new optical method for the measurement of gastric conduit perfusion. Ecological Management and Restoration, 2019, 32, 1-1.	0.4	20
20	Patient-specific model-based segmentation of brain tumors in 3D intraoperative ultrasound images. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 331-342.	2.8	9
21	Hyperspectral based discrimination of thyroid and parathyroid during surgery. Current Directions in Biomedical Engineering, 2018, 4, 399-402.	0.4	19
22	Automatic selection of localized region-based active contour models using image content analysis applied to brain tumor segmentation. Computers in Biology and Medicine, 2017, 91, 69-79.	7.0	48
23	Fusion of Intraoperative 3D B-mode and Contrast-Enhanced Ultrasound Data for Automatic Identification of Residual Brain Tumors. Applied Sciences (Switzerland), 2017, 7, 415.	2.5	5
24	Vascular Structure Identification in Intraoperative 3D Contrast-Enhanced Ultrasound Data. Sensors, 2016, 16, 497.	3.8	11
25	Automatic depth scanning system for 3D infrared thermography. Current Directions in Biomedical Engineering, 2016, 2, 369-372.	0.4	2
26	Active contours driven by Cuckoo Search strategy for brain tumour images segmentation. Expert Systems With Applications, 2016, 56, 59-68.	7.6	72
27	Monitoring of microvascular free flaps following oropharyngeal reconstruction using infrared thermography: first clinical experiences. European Archives of Oto-Rhino-Laryngology, 2016, 273, 2659-2667.	1.6	33
28	Template and Model Driven Development of Standardized Electronic Health Records. Studies in Health Technology and Informatics, 2015, 216, 30-4.	0.3	2
29	Archetype based patient data modeling to support treatment of pituitary adenomas. Studies in Health Technology and Informatics, 2015, 216, 178-82.	0.3	1
30	Vision-based online recognition of surgical activities. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 979-986.	2.8	6
31	Evaluation of a semi-automatic segmentation algorithm in 3D intraoperative ultrasound brain angiography. Biomedizinische Technik, 2013, 58, 293-302.	0.8	5
32	Image-Guided Transapical Aortic Valve Implantation Sensorless Tracking of Stenotic Valve Landmarks in Live Fluoroscopic Images. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2011, 6, 231-236.	0.9	2
33	Real Time Issues for usage of Vision and Image Data in the Future Operating Room. , 2006, , .		6
34	Precision Surgery In Rectal Resection With Hyperspectral And Fluorescence Imaging And Pelvic Intraoperative Neuromonitoring (With Video). Surgical Technology International, 0, , .	0.2	2