

Claire Chalopin

List of Publications by Year in descending order

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34
papers

602
citations

759233

12
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Active contours driven by Cuckoo Search strategy for brain tumour images segmentation. Expert Systems With Applications, 2016, 56, 59-68.	7.6	72
2	Evaluation of hyperspectral imaging (HSI) for the measurement of ischemic conditioning effects of the gastric conduit during esophagectomy. Surgical Endoscopy and Other Interventional Techniques, 2019, 33, 3775-3782.	2.4	63
3	Feedforward Artificial Neural Network-Based Colorectal Cancer Detection Using Hyperspectral Imaging: A Step towards Automatic Optical Biopsy. Cancers, 2021, 13, 967.	3.7	50
4	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
5	Comparison of hyperspectral imaging and fluorescence angiography for the determination of the transection margin in colorectal resections—a comparative study. International Journal of Colorectal Disease, 2021, 36, 283-291.	2.2	43
6	Laparoscopic system for simultaneous high-resolution video and rapid hyperspectral imaging in the visible and near-infrared spectral range. Journal of Biomedical Optics, 2020, 25, .	2.6	36
7	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
8	Automatic Recognition of Colon and Esophagogastric Cancer with Machine Learning and Hyperspectral Imaging. Diagnostics, 2021, 11, 1810.	2.6	30
9	Tissue classification of oncologic esophageal resectates based on hyperspectral data. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1651-1661.	2.8	29
10	Classification of hyperspectral endocrine tissue images using support vector machines. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-10.	2.3	25
11	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
12	Hyperspectral based discrimination of thyroid and parathyroid during surgery. Current Directions in Biomedical Engineering, 2018, 4, 399-402.	0.4	19
13	Novel Intraoperative Imaging of Gastric Tube Perfusion during Oncologic Esophagectomy—A Pilot Study Comparing Hyperspectral Imaging (HSI) and Fluorescence Imaging (FI) with Indocyanine Green (ICG). Cancers, 2022, 14, 97.	3.7	15
14	Vascular Structure Identification in Intraoperative 3D Contrast-Enhanced Ultrasound Data. Sensors, 2016, 16, 497.	3.8	11
15	Border Line Definition Using Hyperspectral Imaging in Colorectal Resections. Cancers, 2022, 14, 1188.	3.7	11
16	New Intraoperative Imaging Tools and Image-Guided Surgery in Gastric Cancer Surgery. Diagnostics, 2022, 12, 507.	2.6	11
17	Video: Clinical evaluation of a laparoscopic hyperspectral imaging system. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 7794-7799.	2.4	11
18	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

#	ARTICLE	IF	CITATIONS
19	Tumor cell identification and classification in esophageal adenocarcinoma specimens by hyperspectral imaging. <i>Scientific Reports</i> , 2022, 12, 4508.	3.3	9
20	Real Time Issues for usage of Vision and Image Data in the Future Operating Room. , 2006, , .		6
21	Vision-based online recognition of surgical activities. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 979-986.	2.8	6
22	Evaluation of a semi-automatic segmentation algorithm in 3D intraoperative ultrasound brain angiography. <i>Biomedizinische Technik</i> , 2013, 58, 293-302.	0.8	5
23	Fusion of Intraoperative 3D B-mode and Contrast-Enhanced Ultrasound Data for Automatic Identification of Residual Brain Tumors. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 415.	2.5	5
24	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
25	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
26	Automatic depth scanning system for 3D infrared thermography. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 369-372.	0.4	2
27	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
28	Precision Surgery In Rectal Resection With Hyperspectral And Fluorescence Imaging And Pelvic Intraoperative Neuromonitoring (With Video). <i>Surgical Technology International</i> , 0, , .	0.2	2
29	Image-Guided Transapical Aortic Valve Implantation Sensorless Tracking of Stenotic Valve Landmarks in Live Fluoroscopic Images. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2011, 6, 231-236.	0.9	2
30	Using physiological parameters measured by hyperspectral imaging to detect colorectal cancer. , 2021, 2021, 3865-3868.		2
31	Template and Model Driven Development of Standardized Electronic Health Records. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 30-4.	0.3	2
32	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
33	Archetype based patient data modeling to support treatment of pituitary adenomas. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 178-82.	0.3	1
34	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