Aymeric Histace

List of Publications by Year
in descending order

25 papers	1,342 citations	623734 14 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	1193 citing authors

#	Article	IF	Citations
1	Evaluation by a Machine Learning System of Two Preparations for Small Bowel Capsule Endoscopy: The BUBS (Burst Unpleasant Bubbles with Simethicone) Study. Journal of Clinical Medicine, 2022, 11, 2822.	2.4	3
2	AAEGAN Optimization by Purposeful Noise Injection for the Generation of Bright-Field Brain Organoid Images. , 2022, , .		1
3	Establishing key research questions for the implementation of artificial intelligence in colonoscopy: a modified Delphi method. Endoscopy, 2021, 53, 893-901.	1.8	35
4	A neural network-based algorithm for assessing the cleanliness of small bowel during capsule endoscopy. Endoscopy, 2021, 53, 932-936.	1.8	20
5	Evaluation of Event-Based Corner Detectors. Journal of Imaging, 2021, 7, 25.	3.0	10
6	Recent Trends and Perspectives in Cerebral Organoids Imaging and Analysis. Frontiers in Neuroscience, 2021, 15, 629067.	2.8	17
7	Artificial intelligence in small bowel capsule endoscopy â€•current status, challenges and future promise. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 12-19.	2.8	50
8	PEACE: Perception and Expectations toward Artificial Intelligence in Capsule Endoscopy. Journal of Clinical Medicine, 2021, 10, 5708.	2.4	14
9	CAD-CAP: a 25,000-image database serving the development of artificial intelligence for capsule endoscopy. Endoscopy International Open, 2020, 08, E415-E420.	1.8	41
10	A neural network algorithm for detection of GI angiectasia during small-bowel capsule endoscopy. Gastrointestinal Endoscopy, 2019, 89, 189-194.	1.0	169
11	Multi-criterion, automated, high-performance, rapid tool for assessing mucosal visualization quality of still images in small bowel capsule endoscopy. Endoscopy International Open, 2019, 07, E944-E948.	1.8	12
12	Orthogonal Multitone Electrical Impedance Spectroscopy (OMEIS) for the Study of Fibrosis Induced by Active Cardiac Implants. Journal of Sensors, 2019, 2019, 1-14.	1.1	1
13	GTCreator: a flexible annotation tool for image-based datasets. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 191-201.	2.8	26
14	Development and validation of an automated algorithm to evaluate the abundance of bubbles in small bowel capsule endoscopy. Endoscopy International Open, 2018, 06, E462-E469.	1.8	16
15	Development and validation of a computed assessment of cleansing score for evaluation of quality of small-bowel visualization in capsule endoscopy. Endoscopy International Open, 2018, 06, E646-E651.	1.8	15
16	A study on the limitations of a vane rheometer for mineral suspensions using image processing. Rheologica Acta, 2017, 56, 351-367.	2.4	22
17	Comparative Validation of Polyp Detection Methods in Video Colonoscopy: Results From the MICCAI 2015 Endoscopic Vision Challenge. IEEE Transactions on Medical Imaging, 2017, 36, 1231-1249.	8.9	297
18	Towards Real-Time Polyp Detection in Colonoscopy Videos: Adapting Still Frame-Based Methodologies for Video Sequences Analysis. Lecture Notes in Computer Science, 2017, , 29-41.	1.3	50

#	Article	IF	Citations
19	Active Learning for Real Time Detection of Polyps in Videocolonoscopy. Procedia Computer Science, 2016, 90, 182-187.	2.0	14
20	Smart Videocapsule for Early Diagnosis of Colorectal Cancer: Toward Embedded Image Analysis. , 2015, , 325-350.		7
21	Toward embedded detection of polyps in WCE images for early diagnosis of colorectal cancer. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 283-293.	2.8	488
22	Statistical Model of Shape Moments with Active Contour Evolution for Shape Detection and Segmentation. Journal of Mathematical Imaging and Vision, 2013, 47, 35-47.	1.3	7
23	Comparison of different grid of tags detection methods in tagged cardiac MR imaging. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 153-161.	2.8	0
24	Boundary Delineation in Prostate Imaging Using Active Contour Segmentation Method with Interactively Defined Object Regions. Lecture Notes in Computer Science, 2010, , 131-142.	1.3	14
25	Segmentation of Myocardial Boundaries in Tagged Cardiac MRI Using Active Contours: A Gradient-Based Approach Integrating Texture Analysis. International Journal of Biomedical Imaging, 2009, 2009, 1-8.	3.9	13