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	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
2	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
3	A neural network algorithm for detection of GI angiectasia during small-bowel capsule endoscopy. Gastrointestinal Endoscopy, 2019, 89, 189-194.	1.0	169
4	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
5	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
6	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
7	Establishing key research questions for the implementation of artificial intelligence in colonoscopy: a modified Delphi method. Endoscopy, 2021, 53, 893-901.	1.8	35
8	GTCreator: a flexible annotation tool for image-based datasets. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 191-201.	2.8	26
9	A study on the limitations of a vane rheometer for mineral suspensions using image processing. Rheologica Acta, 2017, 56, 351-367.	2.4	22
10	A neural network-based algorithm for assessing the cleanliness of small bowel during capsule endoscopy. Endoscopy, 2021, 53, 932-936.	1.8	20
11	Recent Trends and Perspectives in Cerebral Organoids Imaging and Analysis. Frontiers in Neuroscience, 2021, 15, 629067.	2.8	17
12	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
13	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
14	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
15	Active Learning for Real Time Detection of Polyps in Videocolonoscopy. Procedia Computer Science, 2016, 90, 182-187.	2.0	14
16	PEACE: Perception and Expectations toward Artificial Intelligence in Capsule Endoscopy. Journal of Clinical Medicine, 2021, 10, 5708.	2.4	14
17	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
18	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

#	Article	IF	Citations
19	Evaluation of Event-Based Corner Detectors. Journal of Imaging, 2021, 7, 25.	3.0	10
20	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
21	Smart Videocapsule for Early Diagnosis of Colorectal Cancer: Toward Embedded Image Analysis. , 2015, , 325-350.		7
22	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
23	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
24	AAEGAN Optimization by Purposeful Noise Injection for the Generation of Bright-Field Brain Organoid Images. , 2022, , .		1
25	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