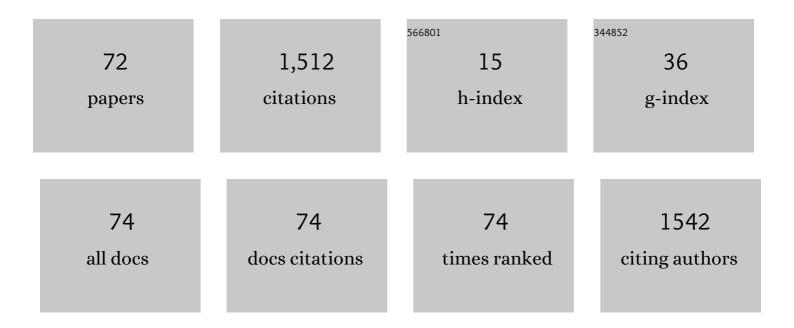
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Endoscopists' diagnostic accuracy in detecting upper gastrointestinal neoplasia in the framework of artificial intelligence studies. Endoscopy, 2022, 54, 403-411.	1.0	17
2	AIM in Barrett's Esophagus. , 2022, , 951-966.		0
3	Efficient endoscopic frame informativeness assessment by reusing the encoder of the primary CAD task. , 2022, , .		0
4	Colorectal polyp classification using confidence-calibrated convolutional neural networks. , 2022, , .		6
5	The paradox of artificial intelligence diversification in endoscopy: creating blind spots by exposing them. Endoscopy, 2022, , .	1.0	0
6	REAL-TIME CLASSIFICATION OF COLORECTAL POLYPS USING ARTIFICIAL INTELLIGENCE – A PROSPECTIVE PILOT STUDY COMPARING TWO COMPUTER-AIDED DIAGNOSIS SYSTEMS AND ONE EXPERT ENDOSCOPIST. Gastrointestinal Endoscopy, 2022, 95, AB250-AB251.	Г 0.5	0
7	Depth estimation from a single SEM image using pixel-wise fine-tuning with multimodal data. Machine Vision and Applications, 2022, 33, .	1.7	5
8	Standalone performance of artificial intelligence for upper GI neoplasia: a meta-analysis. Gut, 2021, 70, 1458-1468.	6.1	45
9	Advanced Imaging and Sampling in Barrett's Esophagus. Gastrointestinal Endoscopy Clinics of North America, 2021, 31, 91-103.	0.6	3
10	Prospective development and validation of a volumetric laser endomicroscopy computer algorithm for detection of Barrett's neoplasia. Gastrointestinal Endoscopy, 2021, 93, 871-879.	0.5	11
11	A computer-assisted algorithm for narrow-band imaging-based tissue characterization in Barrett's esophagus. Gastrointestinal Endoscopy, 2021, 93, 89-98.	0.5	50
12	Algorithm combining virtual chromoendoscopy features for colorectal polyp classification. Endoscopy International Open, 2021, 09, E1497-E1503.	0.9	0
13	Automatic image and text-based description for colorectal polyps using BASIC classification. Artificial Intelligence in Medicine, 2021, 121, 102178.	3.8	9
14	Optical diagnosis of colorectal polyp images using a newly developed computer-aided diagnosis system (CADx) compared with intuitive optical diagnosis. Endoscopy, 2021, 53, 1219-1226.	1.0	15
15	Image Noise Reduction Based on a Fixed Wavelet Frame and CNNs Applied to CT. IEEE Transactions on Image Processing, 2021, 30, 9386-9401.	6.0	10
16	Deep learning algorithm detection of Barrett's neoplasia with high accuracy during live endoscopic procedures: a pilot study (with video). Gastrointestinal Endoscopy, 2020, 91, 1242-1250.	0.5	88
17	Modeling clinical assessor intervariability using deep hypersphere encoder–decoder networks. Neural Computing and Applications, 2020, 32, 10705-10717.	3.2	1
18	Deep-Learning System Detects Neoplasia in Patients With Barrett's Esophagus With Higher Accuracy Than Endoscopists in a Multistep Training and Validation Study With Benchmarking. Gastroenterology, 2020, 158, 915-929.e4.	0.6	227

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19	Multi-stage domain-specific pretraining for improved detection and localization of Barrett's neoplasia: A comprehensive clinically validated study. Artificial Intelligence in Medicine, 2020, 107, 101914.	3.8	14
20	Towards Optical Imaging for Spine Tracking without Markers in Navigated Spine Surgery. Sensors, 2020, 20, 3641.	2.1	14
21	Hyperspectral imaging for colon cancer classification in surgical specimens: towards optical biopsy during image-guided surgery. , 2020, 2020, 1169-1173.		8
22	Efficient Decoder Reduction for a Variety of Encoder-Decoder Problems. IEEE Access, 2020, 8, 169444-169455.	2.6	0
23	A CNN CADx System for Multimodal Classification of Colorectal Polyps Combining WL, BLI, and LCI Modalities. Applied Sciences (Switzerland), 2020, 10, 5040.	1.3	17
24	Improving Temporal Stability and Accuracy for Endoscopic Video Tissue Classification Using Recurrent Neural Networks. Sensors, 2020, 20, 4133.	2.1	6
25	Hyperspectral Imaging for Glioblastoma Surgery: Improving Tumor Identification Using a Deep Spectral-Spatial Approach. Sensors, 2020, 20, 6955.	2.1	27
26	Endoscopy-Driven Pretraining for Classification of Dysplasia in Barrett's Esophagus with Endoscopic Narrow-Band Imaging Zoom Videos. Applied Sciences (Switzerland), 2020, 10, 3407.	1.3	6
27	Machine learning in GI endoscopy: practical guidance in how to interpret a novel field. Gut, 2020, 69, 2035-2045.	6.1	85
28	244 COMPUTER-AIDED DETECTION ALGORITHM DETECTS BARRETT NEOPLASIA WITH HIGH DIAGNOSTIC ACCURACY DURING LIVE ENDOSCOPIC PROCEDURES: A PILOT STUDY Gastrointestinal Endoscopy, 2020, 91, AB23-AB24.	0.5	4
29	Sa2026 EXPLOITING INTERVARIABLITY OF EXPERT ANNOTATIONS FOR EARLY BARRETT'S CANCER IN WHITE LIGHT ENDOSCOPY LEADS TO BETTER LOCALIZATION PERFORMANCE OF AI ALGORITHMS. Gastrointestinal Endoscopy, 2020, 91, AB248-AB249.	0.5	0
30	Robust Algorithm for Denoising of Photon-Limited Dual-Energy Cone Beam CT Projections. , 2020, , .		0
31	Deep principal dimension encoding for the classification of early neoplasia in Barrett's Esophagus with volumetric laser endomicroscopy. Computerized Medical Imaging and Graphics, 2020, 80, 101701.	3.5	10
32	Hyperspectral Imaging for Skin Feature Detection: Advances in Markerless Tracking for Spine Surgery. Applied Sciences (Switzerland), 2020, 10, 4078.	1.3	14
33	Influence of decoder size for binary segmentation tasks in medical imaging. , 2020, , .		3
34	First steps into endoscopic video analysis for Barrett's cancer detection: challenges and opportunities. , 2020, , .		3
35	The field effect in Barrett's Esophagus: a macroscopic view using white light endoscopy and deep learning. , 2020, , .		2
36	Multi-Modal Classification of Polyp Malignancy using CNN Features with Balanced Class Augmentation. , 2019, , .		13

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37	297 – Deep Learning Algorithm for Characterization of Barrett's Neoplasia Demonstrates High Accuracy on Nbi-Zoom Images. Gastroenterology, 2019, 156, S-58.	0.6	7
38	Deep Learning Biopsy Marking of Early Neoplasia in Barrett's Esophagus by Combining WLE and BLI Modalities. , 2019, , .		9
39	Informative Frame Classification of Endoscopic Videos Using Convolutional Neural Networks and Hidden Markov Models. , 2019, , .		6
40	Ensemble of Deep Convolutional Neural Networks for Classification of Early Barrett's Neoplasia Using Volumetric Laser Endomicroscopy. Applied Sciences (Switzerland), 2019, 9, 2183.	1.3	16
41	640 THE ARGOS PROJECT: FIRST DEEP LEARNING ALGORITHM FOR DETECTION OF BARRETT'S NEOPLASIA OUTPERFORMS CONVENTIONAL COMPUTER AIDED DETECTION SYSTEMS IN A MULTI-STEP TRANING ANDÂEXTERNAL VALIDATION STUDY. Gastrointestinal Endoscopy, 2019, 89, AB99.	0.5	1
42	The Argos project: The development of a computerâ€∎ided detection system to improve detection of Barrett's neoplasia on white light endoscopy. United European Gastroenterology Journal, 2019, 7, 538-547.	1.6	95
43	Time for second-generation artificial intelligence in medical imaging. Endoscopy, 2019, 51, 1113-1114.	1.0	1
44	Towards non-invasive patient tracking: optical image analysis for spine tracking during spinal surgery procedures. , 2019, 2019, 3909-3914.		1
45	Pseudo-labeled Bootstrapping and Multi-stage Transfer Learning for the Classification and Localization of Dysplasia in Barrett's Esophagus. Lecture Notes in Computer Science, 2019, , 169-177.	1.0	9
46	Computer-aided classification of colorectal polyps using blue-light and linked-color imaging. , 2019, , .		1
47	A novel clinical gland feature for detection of early Barrett's neoplasia using volumetric laser endomicroscopy. , 2019, , .		3
48	Tissue segmentation in volumetric laser endomicroscopy data using FusionNet and a domain-specific loss function. , 2019, , .		6
49	Cancer detection in mass spectrometry imaging data by dilated convolutional neural networks. , 2019, , .		7
50	Automated tumor assessment of squamous cell carcinoma on tongue cancer patients with hyperspectral imaging. , 2019, , .		4
51	Novel Developments in Endoscopic Mucosal Imaging. Gastroenterology, 2018, 154, 1876-1886.	0.6	32
52	Predictive features for early cancer detection in Barrett's esophagus using Volumetric Laser Endomicroscopy. Computerized Medical Imaging and Graphics, 2018, 67, 9-20.	3.5	18
53	Bladder Cancer Segmentation on Multispectral Images. , 2018, , .		0
54	Why rankings of biomedical image analysis competitions should be interpreted with care. Nature Communications, 2018, 9, 5217.	5.8	198

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55	How to Exploit Weaknesses in Biomedical Challenge Design and Organization. Lecture Notes in Computer Science, 2018, , 388-395.	1.0	10
56	Automatic Detection of Early Esophageal Cancer with CNNS Using Transfer Learning. , 2018, , .		18
57	Tu2011 - The Argos Project: Evaluation of Results of a Clinicallyinspired Algorithm vs. a Deep Learning Algorithm for the Detection and Delineation of Barrett's Neoplasia. Gastroenterology, 2018, 154, S-1368.	0.6	2
58	Sa1969 THE ARGOS PROJECT: FIRST RESULTS OF THE DEVELOPMENT OF A COMPUTER AIDED DETECTION SYSTEM FOR BARRETT'S NEOPLASIA Gastrointestinal Endoscopy, 2018, 87, AB270.	0.5	2
59	Tu1962 - Improved Barrett's Neoplasia Detection Using Computer Assisted Multi-Frame Analysis of Volumetric Laser Endomicroscopy Images. Gastroenterology, 2018, 154, S-1066.	0.6	0
60	Quantitative CT based radiomics as predictor of resectability of pancreatic adenocarcinoma. , 2018, , .		3
61	Computer-aided detection of early Barrett's neoplasia using volumetric laser endomicroscopy. Gastrointestinal Endoscopy, 2017, 86, 839-846.	0.5	117
62	Evaluation of image features and classification methods for Barrett's cancer detection using VLE imaging. , 2017, , .		5
63	Sweet-spot training for early esophageal cancer detection. , 2016, , .		1
64	237 Feasibility of a Computer Algorithm for Detection of Early Barrett's Neoplasia Using Volumetric Laser Endomicroscopy. Gastroenterology, 2016, 150, S56.	0.6	7
65	Computer-aided detection of early neoplastic lesions in Barrett's esophagus. Endoscopy, 2016, 48, 617-624.	1.0	142
66	Accurate biopsy-needle depth estimation in limited-angle tomography using multi-view geometry. Proceedings of SPIE, 2016, , .	0.8	0
67	Early esophageal cancer detection using RF classifiers. Proceedings of SPIE, 2016, , .	0.8	5
68	Real-time semantic context labeling for image understanding. , 2015, , .		2
69	Supportive automatic annotation of early esophageal cancer using local gabor and color features. Neurocomputing, 2014, 144, 92-106.	3.5	53
70	805 Computer-Aided Detection of Early Neoplastic Lesions in Barrett's Esophagus: Towards a Supportive Detection System in Endoscopy. Gastroenterology, 2014, 146, S-141.	0.6	0
71	Computer-aided detection of early cancer in the esophagus using HD endoscopy images. Proceedings of SPIE, 2013, , .	0.8	12
72	Mo1683 Computer-Aided Delineation of Early Neoplasia in Barrett's Esophagus Using High Definition Endoscopic Images. Gastrointestinal Endoscopy, 2013, 77, AB471.	0.5	0