Masashi Misawa

List of Publications by Year
in descending order

107 papers	3,746 citations	172457 29 h-index	138484 58 g-index
109 all docs	109 docs citations	109 times ranked	2388 citing authors

#	Article	IF	Citations
1	Real-Time Use of Artificial Intelligence in Identification of Diminutive Polyps During Colonoscopy. Annals of Internal Medicine, 2018, 169, 357.	3.9	391
2	Artificial Intelligence-Assisted Polyp Detection for Colonoscopy: Initial Experience. Gastroenterology, 2018, 154, 2027-2029.e3.	1.3	281
3	Artificial Intelligence-assisted System Improves Endoscopic Identification of Colorectal Neoplasms. Clinical Gastroenterology and Hepatology, 2020, 18, 1874-1881.e2.	4.4	167
4	Fully automated diagnostic system with artificial intelligence using endocytoscopy to identify the presence of histologic inflammation associated with ulcerative colitis (with video). Gastrointestinal Endoscopy, 2019, 89, 408-415.	1.0	165
5	Characterization of Colorectal Lesions Using a Computer-Aided Diagnostic System for Narrow-Band Imaging Endocytoscopy. Gastroenterology, 2016, 150, 1531-1532.e3.	1.3	158
6	Artificial intelligence for polyp detection during colonoscopy: a systematic review and meta-analysis. Endoscopy, 2021, 53, 277-284.	1.8	139
7	Novel computer-aided diagnostic system for colorectal lesions by using endocytoscopy (with videos). Gastrointestinal Endoscopy, 2015, 81, 621-629.	1.0	136
8	Computer-aided diagnosis for colonoscopy. Endoscopy, 2017, 49, 813-819.	1.8	130
9	Development of a computer-aided detection system for colonoscopy and a publicly accessible large colonoscopy video database (with video). Gastrointestinal Endoscopy, 2021, 93, 960-967.e3.	1.0	111
10	Accuracy of diagnosing invasive colorectal cancer using computer-aided endocytoscopy. Endoscopy, 2017, 49, 798-802.	1.8	109
11	Artificial intelligence and colonoscopy: Current status and future perspectives. Digestive Endoscopy, 2019, 31, 363-371.	2.3	108
12	Quality assurance of computer-aided detection and diagnosis in colonoscopy. Gastrointestinal Endoscopy, 2019, 90, 55-63.	1.0	104
13	Artificial intelligence may help in predicting the need for additional surgery after endoscopic resection of T1 colorectal cancer. Endoscopy, 2018, 50, 230-240.	1.8	100
14	Artificial intelligence and upper gastrointestinal endoscopy: Current status and future perspective. Digestive Endoscopy, 2019, 31, 378-388.	2.3	100
15	Artificial Intelligence System to Determine Risk of T1 Colorectal Cancer Metastasis to Lymph Node. Gastroenterology, 2021, 160, 1075-1084.e2.	1.3	99
16	Impact of an automated system for endocytoscopic diagnosis of small colorectal lesions: an international web-based study. Endoscopy, 2016, 48, 1110-1118.	1.8	98
17	Cost savings in colonoscopy with artificial intelligence-aided polyp diagnosis: an add-on analysis of a clinical trial (withÂvideo). Gastrointestinal Endoscopy, 2020, 92, 905-911.e1.	1.0	95
18	Management of T1 colorectal cancers after endoscopic treatment based on the risk stratification of lymph node metastasis. Journal of Gastroenterology and Hepatology (Australia), 2016, 31, 1126-1132.	2.8	73

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19	Colonoscopy screening and surveillance guidelines. Digestive Endoscopy, 2021, 33, 486-519.	2.3	67
20	Accuracy of computer-aided diagnosis based on narrow-band imaging endocytoscopy for diagnosing colorectal lesions: comparison with experts. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 757-766.	2.8	65
21	Simultaneous detection and characterization of diminutive polypsÂwithÂthe use of artificial intelligence during colonoscopy. VideoGIE, 2019, 4, 7-10.	0.7	51
22	Practical problems of measuring depth of submucosal invasion in T1 colorectal carcinomas. International Journal of Colorectal Disease, 2016, 31, 137-146.	2.2	45
23	Endocytoscopic microvasculature evaluation is a reliable new diagnostic method for colorectal lesions (with video). Gastrointestinal Endoscopy, 2015, 82, 912-923.	1.0	41
24	Double staining with crystal violet and methylene blue is appropriate for colonic endocytoscopy: <scp>A</scp>n <scp><i>inâ€‰vivo</i></scp> prospective pilot study. Digestive Endoscopy, 2014, 26, 403-408.	2.3	40
25	Artificial intelligence in colonoscopy â€•Now on the market. What's next?. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 7-11.	2.8	40
26	Endocytoscopy can provide additional diagnostic ability to magnifying chromoendoscopy for colorectal neoplasms. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 83-90.	2.8	39
27	Management and risk factor of stenosis after endoscopic submucosal dissection for colorectal neoplasms. Gastrointestinal Endoscopy, 2017, 86, 358-369.	1.0	39
28	Real-Time Artificial Intelligenceâ€"Based Optical Diagnosis of Neoplastic Polyps during Colonoscopy. , 2022, 1, .		36
29	Efficiency of endocytoscopy in differentiating types of serrated polyps. Gastrointestinal Endoscopy, 2014, 79, 648-656.	1.0	35
30	Establishing key research questions for the implementation of artificial intelligence in colonoscopy: a modified Delphi method. Endoscopy, 2021, 53, 893-901.	1.8	35
31	Endocytoscopic narrow-band imaging efficiency for evaluation of inflammatory activity in ulcerative colitis. World Journal of Gastroenterology, 2015, 21, 2108-2115.	3.3	32
32	Current problems and perspectives of pathological risk factors for lymph node metastasis in T1 colorectal cancer: Systematic review. Digestive Endoscopy, 2022, 34, 901-912.	2.3	26
33	Current status and future perspective on artificial intelligence for lower endoscopy. Digestive Endoscopy, 2021, 33, 273-284.	2.3	25
34	Can artificial intelligence help to detect dysplasia in patients with ulcerative colitis?. Endoscopy, 2021, 53, E273-E274.	1.8	25
35	Narrow band imaging efficiency in evaluation of mucosal healing/relapse of ulcerative colitis. Endoscopy International Open, 2018, 06, E518-E523.	1.8	24
36	Evaluation in real-time use of artificial intelligence during colonoscopy to predict relapse of ulcerative colitis: aÂprospective study. Gastrointestinal Endoscopy, 2022, 95, 747-756.e2.	1.0	23

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37	Risk factors of recurrence in T1 colorectal cancers treated by endoscopic resection alone or surgical resection with lymph node dissection. International Journal of Colorectal Disease, 2018, 33, 1029-1038.	2.2	22
38	The role of microvessel density, lymph node metastasis, and tumor size as prognostic factors of distant metastasis in colorectal cancer. Oncology Letters, 2017, 13, 4327-4333.	1.8	21
39	Left-sided location is a risk factor for lymph node metastasis of T1 colorectal cancer: a single-center retrospective study. International Journal of Colorectal Disease, 2020, 35, 1911-1919.	2.2	20
40	Risk Stratification of T1 Colorectal Cancer Metastasis to Lymph Nodes: Current Status and Perspective. Gut and Liver, 2021, 15, 818-826.	2.9	20
41	Impact of the clinical use of artificial intelligenceâ€"assisted neoplasia detection for colonoscopy: a large-scale prospective, propensity scoreâ€"matched study (with video). Gastrointestinal Endoscopy, 2022, 95, 155-163.	1.0	19
42	Diagnostic performance of endocytoscopy for evaluating the invasion depth of different morphological types of colorectal tumors. Digestive Endoscopy, 2015, 27, 755-762.	2.3	18
43	Analysis of Risk Factors for Colonic Diverticular Bleeding: A Matched Case-Control Study. Gut and Liver, 2016, 10, 244.	2.9	18
44	Patient gender as a factor associated with lymph node metastasis in T1 colorectal cancer: A systematic review and meta-analysis. Molecular and Clinical Oncology, 2017, 6, 517-524.	1.0	16
45	Classification of nuclear morphology in endocytoscopy of colorectal neoplasms. Gastrointestinal Endoscopy, 2017, 85, 628-638.	1.0	15
46	Treatment policy for colonic laterally spreading tumors based on each clinicopathologic feature of 4 subtypes: actual status of pseudo-depressed type. Gastrointestinal Endoscopy, 2020, 92, 1083-1094.e6.	1.0	15
47	Comparative clinicopathological characteristics of colon and rectal T1 carcinoma. Oncology Letters, 2017, 13, 805-810.	1.8	14
48	Artificial intelligence-assisted colonic endocytoscopy for cancer recognition: a multicenter study. Endoscopy International Open, 2021, 09, E1004-E1011.	1.8	14
49	Comprehensive Diagnostic Performance of Real-Time Characterization of Colorectal Lesions Using an Artificial Intelligenceâ€"Assisted System: A Prospective Study. Gastroenterology, 2022, 163, 323-325.e3.	1.3	14
50	â€˜Head Invasion' Is Not a Metastasis-Free Condition in Pedunculated T1 Colorectal Carcinomas Based on the Precise Histopathological Assessment. Digestion, 2016, 94, 166-175.	2.3	13
51	Endocytoscopy for the differential diagnosis of colorectal low-grade adenoma: a novel possibility for the â€œresect and discardâ€•strategy. Gastrointestinal Endoscopy, 2020, 91, 676-683.	1.0	13
52	Beyond complete endoscopic healing: goblet appearance using an endocytoscope to predict future sustained clinical remission in ulcerative colitis. Digestive Endoscopy, 2021, , .	2.3	13
53	Combined endocytoscopy with pit pattern diagnosis in ulcerative colitisâ€associated neoplasia: Pilot study. Digestive Endoscopy, 2021, , .	2.3	12
54	Endocytoscopic intramucosal capillary network changes and crypt architecture abnormalities can predict relapse in patients with an ulcerative colitis Mayo endoscopic score of 1. Digestive Endoscopy, 2020, 32, 1082-1091.	2.3	11

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55	Evaluation of microvascular findings of deeply invasive colorectal cancer by endocytoscopy with narrow-band imaging. Endoscopy International Open, 2016, 04, E1280-E1285.	1.8	10
56	Endoscopic diagnosis and treatment of ulcerative colitisâ€associated neoplasia. Digestive Endoscopy, 2019, 31, 26-30.	2.3	10
57	Diagnosis of sessile serrated adenomas/polyps using endocytoscopy (with videos). Digestive Endoscopy, 2016, 28, 43-48.	2.3	9
58	A novel ability of endocytoscopy to diagnose histological grade of differentiation in T1 colorectal carcinomas. Endoscopy, 2017, 50, 69-74.	1.8	9
59	Binary polyp-size classification based on deep-learned spatial information. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1817-1828.	2.8	9
60	Clinical Efficacy of Endocytoscopy for Gastrointestinal Endoscopy. Clinical Endoscopy, 2021, 54, 455-463.	1.5	8
61	Novel â€œresect and analysisâ€•approach for T2 colorectal cancer with use of artificial intelligence. Gastrointestinal Endoscopy, 2022, 96, 665-672.e1.	1.0	8
62	Magnifying narrow-band imaging of surface patterns for diagnosing colorectal cancer. Oncology Reports, 2013, 30, 350-356.	2.6	7
63	The concept of â€˜Semi-clean colonâ€™ using the pit pattern classification system has the potential to be acceptable in combination with a <3-year surveillance colonoscopy. Oncology Letters, 2017, 14, 2735-2742.	1.8	7
64	Artificial Intelligence for Colorectal Polyp Detection and Characterization. Current Treatment Options in Gastroenterology, 2020, 18, 200-211.	0.8	7
65	Endocytoscopy with NBI has the potential to correctly diagnose diminutive colorectal polyps that are difficult to diagnose using conventional NBI. Endoscopy International Open, 2020, 08, E360-E367.	1.8	7
66	Unsupervised colonoscopic depth estimation by domain translations with a Lambertian-reflection keeping auxiliary task. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 989-1001.	2.8	7
67	Depressed Colorectal Cancer: A New Paradigm in Early Colorectal Cancer. Clinical and Translational Gastroenterology, 2020, 11, e00269.	2.5	7
68	Retrospective analysis of large bowel obstruction or perforation caused by oral preparation for colonoscopy. Endoscopy International Open, 2017, 05, E471-E476.	1.8	6
69	White light-emitting contrast image capsule endoscopy for visualization of small intestine lesions: a pilot study. Endoscopy International Open, 2018, 06, E315-E321.	1.8	6
70	Tumor Location as a Prognostic Factor in T1 Colorectal Cancer. Journal of the Anus, Rectum and Colon, 2022, 6, 9-15.	1.1	6
71	Comparison of the endocytoscopic and clinicopathologic features of colorectal neoplasms. Endoscopy International Open, 2016, 04, E397-E402.	1.8	5
72	Use of endocytoscopy for identification of sessile serrated adenoma/polyps and hyperplastic polyps by quantitative image analysis of the luminal areas. Endoscopy International Open, 2017, 05, E769-E774.	1.8	5

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73	Stable polypâ€scene classification via subsampling and residual learning from an imbalanced large dataset. Healthcare Technology Letters, 2019, 6, 237-242.	3.3	5
74	Can artificial intelligence standardise colonoscopy quality?. The Lancet Gastroenterology and Hepatology, 2020, 5, 331-332.	8.1	5
75	Artificial intelligence for disease diagnosis: the criterion standard challenge. Gastrointestinal Endoscopy, 2022, 96, 370-372.	1.0	5
76	Magnifying chromoendoscopic and endocytoscopic findings of juvenile polyps in the colon and rectum. Oncology Letters, 2016, 11, 237-242.	1.8	4
77	In vivo detection of desmoplastic reaction using endocytoscopy: A new diagnostic marker of submucosal or more extensive invasion in colorectal carcinoma. Molecular and Clinical Oncology, 2017, 6, 291-295.	1.0	4
78	Diminutive intramucosal invasive (Tis) sigmoid colon carcinoma. Clinical Journal of Gastroenterology, 2018, 11, 359-363.	0.8	4
79	Clinicopathological features of T1 colorectal carcinomas with skip lymphovascular invasion. Oncology Letters, 2018, 16, 7264-7270.	1.8	4
80	Artificial intelligence and computer-aided diagnosis for colonoscopy: where do we stand now?. Translational Gastroenterology and Hepatology, 2021, 6, 0-0.	3.0	4
81	Use of advanced endoscopic technology for optical characterization of neoplasia in patients with ulcerative colitis: Systematic review. Digestive Endoscopy, 2022, 34, 1297-1310.	2.3	4
82	Two cases of colitisâ€associated neoplasia observed with endocytoscopy. Digestive Endoscopy, 2019, 31, 43-44.	2.3	3
83	How Far Will Clinical Application of AI Applications Advance for Colorectal Cancer Diagnosis?. Journal of the Anus, Rectum and Colon, 2020, 4, 47-50.	1.1	3
84	Shortâ€‘ and longâ€‘term outcomes of selfâ€‘expanding metallic stent placement vs. emergency surgery for malignant colorectal obstruction. Molecular and Clinical Oncology, 2021, 14, 63.	1.0	3
85	Impact of artificial intelligence on colorectal polyp detection for early-career endoscopists: an international comparative study. Scandinavian Journal of Gastroenterology, 2022, 57, 1272-1277.	1.5	3
86	Characteristics of colorectal tumours in asymptomatic patients with negative immunochemical faecal occult blood test results. Molecular and Clinical Oncology, 2015, 3, 1019-1024.	1.0	2
87	Small invasive colon cancer with adenoma observed by endocytoscopy: A case report. World Journal of Gastrointestinal Endoscopy, 2020, 12, 304-309.	1.2	2
88	Challenges in artificial intelligence for polyp detection. Digestive Endoscopy, 2022, 34, 870-871.	2.3	2
89	Expression of matrix metalloproteinase-7 correlates with the invasion of T1 colorectal carcinoma. Oncology Letters, 2018, 15, 3614-3620.	1.8	1
90	Endocytoscopic findings of colorectal neuroendocrine tumors (with video). Endoscopy International Open, 2018, 06, E589-E593.	1.8	1

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91	Artificial intelligence for magnifying endoscopy, endocytoscopy, and confocal laser endomicroscopy of the colorectum. Techniques and Innovations in Gastrointestinal Endoscopy, 2020, 22, 56-60.	0.9	1
92	Robust endocytoscopic image classification based on higher-order symmetric tensor analysis and multi-scale topological statistics. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 2049-2059.	2.8	1
93	Clinical and endoscopic characteristics of post-colonoscopy colorectal cancers detected within 10 years after a previous negative examination. Endoscopy International Open, 2021, 09, E1472-E1479.	1.8	1
94	Challenge to the â€œimpossibleâ€• Gastrointestinal Endoscopy, 2021, 94, 639-640.	1.0	1
95	Progress in magnifying colonoscopy: Road to optical biopsy. Digestive Endoscopy, 2022, 34, 91-94.	2.3	1
96	A case of gastric anisakiasis with ulceration after tumor diagnosis. Progress of Digestive Endoscopy, 2014, 85, 76-77.	0.0	1
97	Clinicopathological features of small T1 colorectal cancers. World Journal of Clinical Cases, 2021, 9, 10088-10097.	0.8	1
98	Identification of a small, depressed type of colorectal invasive cancer by an artificial intelligence-assisted detection system. Endoscopy, 2021, , .	1.8	1
99	Letter: the combination of histologic remission and Mayo endoscopic score 1 as a suitable therapeutic target in ulcerative colitis. Alimentary Pharmacology and Therapeutics, 2021, 53, 955-956.	3.7	1
100	Current Status of Artificial Intelligence for Gastroenterology. Journal of Japan Society of Computer Aided Surgery, 2021, 23, 110-112.	0.0	0
101	Gastric cancer metastasis to the transverse colon requiring differentiation from early-stage colorectal cancer. Progress of Digestive Endoscopy, 2021, 98, 123-124.	0.0	0
102	Clinicopathological studies of colorectal cancer in the aged patients. Progress of Digestive Endoscopy, 2009, 74, 36-39.	0.0	0
103	The newly developed MoviPrep can reduce the patientsâ€™ burden in the preparation for colonoscopy. Progress of Digestive Endoscopy, 2014, 85, 47-50.	0.0	0
104	A case of gastrointestinal injury associated with nonsteroidal anti-inflammatory drug use. Progress of Digestive Endoscopy, 2018, 93, 113-115.	0.0	0
105	Effects of the use of a wavy cap on the tip of the colonoscope on the training performance of novice endoscopists for colonoscopy. World Academy of Sciences Journal, 2020, 3, .	0.6	0
106	Artificial Intelligence for Diagnosing Colorectal Lesion. Nippon Laser Igakkaishi, 2021, , .	0.0	0
107	Uncertainty meets 3D-spatial feature in colonoscopic polyp-size determination. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-10.	1.9	0