Thomas de Lange

List of Publications by Year
in descending order

77 papers	2,994 citations	346980 22 h-index	286692 43 g-index
81 all docs	81 docs citations	81 times ranked	2408 citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of nonparticipants in a randomised colorectal cancer screening trial comparing sigmoidoscopy and faecal immunochemical testing. International Journal of Cancer, 2022, 151, 361-371.	2.3	12
2	SinGAN-Seg: Synthetic training data generation for medical image segmentation. PLoS ONE, 2022, 17, e0267976.	1.1	27
3	Colorectal Cancer Screening With Repeated Fecal Immunochemical Test Versus Sigmoidoscopy: Baseline Results From a Randomized Trial. Gastroenterology, 2021, 160, 1085-1096.e5.	0.6	50
4	Kvasir-Instrument: Diagnostic and Therapeutic Tool Segmentation Dataset in Gastrointestinal Endoscopy. Lecture Notes in Computer Science, 2021, , 218-229.	1.0	26
5	A comprehensive analysis of classification methods in gastrointestinal endoscopy imaging. Medical Image Analysis, 2021, 70, 102007.	7.0	19
6	Kvasir-Capsule, a video capsule endoscopy dataset. Scientific Data, 2021, 8, 142.	2.4	86
7	DeepSynthBody: the beginning of the end for data deficiency in medicine. , 2021, , .		9
8	NanoNet: Real-Time Polyp Segmentation in Video Capsule Endoscopy and Colonoscopy. , 2021, , .		27
9	A Comprehensive Study on Colorectal Polyp Segmentation With ResUNet++, Conditional Random Field and Test-Time Augmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2029-2040.	3.9	137
10	Detection of cancers and advanced adenomas in asymptomatic participants in colorectal cancer screening: a cross-sectional study. BMJ Open, 2021, 11, e048183.	0.8	9
11	The CRCbiome study: a large prospective cohort study examining the role of lifestyle and the gut microbiome in colorectal cancer screening participants. BMC Cancer, 2021, 21, 930.	1.1	22
12	Women require routine opioids to prevent painful colonoscopies: a randomised controlled trial. Scandinavian Journal of Gastroenterology, 2021, 56, 1-10.	0.6	1
13	Artificial intelligence, capsule endoscopy, databases, and the Sword of Damocles. Endoscopy International Open, 2021, 09, E1754-E1755.	0.9	5
14	Training endoscopy in Europe: an urgent call to action. Endoscopy International Open, 2020, 08, E534-E535.	0.9	1
15	HyperKvasir, a comprehensive multi-class image and video dataset for gastrointestinal endoscopy. Scientific Data, 2020, 7, 283.	2.4	206
16	Kvasir-SEG: A Segmented Polyp Dataset. Lecture Notes in Computer Science, 2020, , 451-462.	1.0	397
17	383 DEEP LEARNING FOR AUTOMATIC GENERATION OF ENDOSCOPY REPORTS. Gastrointestinal Endoscopy, 2019, 89, AB77.	0.5	7
18	Effects of Oral Anticoagulants and Aspirin on Performance of Fecal Immunochemical Tests in Colorectal Cancer Screening. Gastroenterology, 2019, 156, 1642-1649.e1.	0.6	29

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19	Performance measures for endoscopy services: A European Society of Gastrointestinal Endoscopy (ESGE) quality improvement initiative. United European Gastroenterology Journal, 2019, 7, 21-44.	1.6	20
20	Registration bias in a clinical quality register. Endoscopy International Open, 2019, 07, E90-E98.	0.9	4
21	Continuous development of colorectal cancer screening programs. Acta Oncológica, 2019, 58, 822-823.	0.8	1
22	ResUNet++: An Advanced Architecture for Medical Image Segmentation. , 2019, , .		434
23	ACM Multimedia BioMedia 2019 Grand Challenge Overview. , 2019, , .		8
24	Endoscopy assistants influence the quality of colonoscopy. Endoscopy, 2018, 50, 871-877.	1.0	4
25	Deep learning and handcrafted feature based approaches for automatic detection of angiectasia. , 2018, , .		13
26	Changes in health behavior 1 year after testing negative at a colorectal cancer screening: a randomized-controlled study. European Journal of Cancer Prevention, 2018, 27, 316-322.	0.6	6
27	Tradeoffs Using Binary and Multiclass Neural Network Classification for Medical Multidisease Detection. , 2018, , .		11
28	Methodology to develop machine learning algorithms to improve performance in gastrointestinal endoscopy. World Journal of Gastroenterology, 2018, 24, 5057-5062.	1.4	31
29	Evaluating gut microbiota profiles from archived fecal samples. BMC Gastroenterology, 2018, 18, 171.	0.8	22
30	Performance measures for endoscopy services: a European Society of Gastrointestinal Endoscopy (ESGE) Quality Improvement Initiative. Endoscopy, 2018, 50, 1186-1204.	1.0	37
31	Improving Cancer Preventive Behaviors: A Randomized Trial of Tailored Lifestyle Feedback in Colorectal Cancer Screening. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 1442-1449.	1.1	9
32	Electronic checklists improve referral letters in gastroenterology: a randomized vignette survey. International Journal for Quality in Health Care, 2018, 30, 450-456.	0.9	3
33	Comprehensible reasoning and automated reporting of medical examinations based on deep learning analysis. , 2018, , .		6
34	Mimir. , 2018, , .		15
35	Exploring the effect of a lifestyle intervention on cancer risk: 43‐year follow‐up of the randomized Oslo diet and antismoking study. Journal of Internal Medicine, 2018, 284, 282-291.	2.7	6
36	Dissecting Deep Neural Networks for Better Medical Image Classification and Classification Understanding. , 2018, , .		19

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37	Deep Learning and Hand-Crafted Feature Based Approaches for Polyp Detection in Medical Videos. , 2018, , .		35
38	Patient-reported adverse events after colonoscopy in Norway. Endoscopy, 2017, 49, 745-753.	1.0	14
39	How Many Deaths from Colorectal Cancer Can Be Prevented by 2030? A Scenario-Based Quantification of Risk Factor Modification, Screening, and Treatment in Norway. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 1420-1426.	1.1	11
40	Cecum intubation rate as quality indicator in clinical versus screening colonoscopy. Endoscopy International Open, 2017, 05, E489-E495.	0.9	14
41	Acceptability of two colorectal cancer screening tests: pain as a key determinant in sigmoidoscopy. Endoscopy, 2017, 49, 1075-1086.	1.0	13
42	Efficient disease detection in gastrointestinal videos â€" global features versus neural networks. Multimedia Tools and Applications, 2017, 76, 22493-22525.	2.6	52
43	Menopausal hormone therapy and colorectal cancer: a linkage between nationwide registries in Norway. BMJ Open, 2017, 7, e017639.	0.8	33
44	A Holistic Multimedia System for Gastrointestinal Tract Disease Detection. , 2017, , .		8
45	KVASIR. , 2017, , .		272
46	From Annotation to Computer-Aided Diagnosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-26.	3.0	22
47	Quality Indicators in Colonoscopy. Current Treatment Options in Gastroenterology, 2017, 15, 416-428.	0.3	12
48	Lifestyle predictors for non-participation and outcome in the second round of faecal immunochemical test in colorectal cancer screening. British Journal of Cancer, 2017, 117, 461-469.	2.9	20
49	Assessment of the effect of an Interactive Dynamic Referral Interface (IDRI) on the quality of referral letters from general practitioners to gastroenterologists: a randomised cross-over vignette trial. BMJ Open, 2017, 7, e014636.	0.8	6
50	Nerthus. , 2017, , .		37
51	Sigmoidoskopi og testing for blod i avfÃ¸ringen â€" en sammenlignende screeningstudie. Tidsskrift for Den Norske Laegeforening, 2017, 137, 727-730.	0.2	10
52	Efficient processing of videos in a multi-auditory environment using device lending of GPUs. , 2016, , .		7
53	Explorative hyperbolic-tree-based clustering tool for unsupervised knowledge discovery. , 2016, , .		7
54	EIR â€" Efficient computer aided diagnosis framework for gastrointestinal endoscopies. , 2016, , .		25

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55	GPU-Accelerated Real-Time Gastrointestinal Diseases Detection. , 2016, , .		15
56	Do no harm: no psychological harm from colorectal cancer screening. British Journal of Cancer, 2016, 114, 497-504.	2.9	25
57	Computer aided disease detection system for gastrointestinal examinations. , 2016, , .		11
58	Multimedia and Medicine. , 2016, , .		35
59	First quality score for referral letters in gastroenterologyâ€"a validation study. BMJ Open, 2016, 6, e012835.	0.8	7
60	Routine vs. on-demand analgesia in colonoscopy: a randomized clinical trial. Endoscopy, 2016, 48, 823-828.	1.0	5
61	Time trends in quality indicators of colonoscopy. United European Gastroenterology Journal, 2016, 4, 110-120.	1.6	5
62	Favorable lifestyle before diagnosis associated with lower risk of screen-detected advanced colorectal neoplasia. World Journal of Gastroenterology, 2016, 22, 6276.	1.4	25
63	Psychological effects of colorectal cancer screening: Participants*vs*individuals not invited. World Journal of Gastroenterology, 2016, 22, 9631.	1.4	10
64	European panel on the appropriateness of gastrointestinal endoscopy II guidelines help in selecting and prioritizing patients referred to colonoscopy â€" a quality control study. Scandinavian Journal of Gastroenterology, 2014, 49, 492-500.	0.6	20
65	Standardized endoscopic reporting. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 234-240.	1.4	37
66	Abstract 3242: Colorectal cancer screening pilot: Comparative effectiveness research using two screening modalities. Cancer Research, 2014, 74, 3242-3242.	0.4	1
67	Risk stratification to predict pain during unsedated colonoscopy: results of a multicenter cohort study. Endoscopy, 2013, 45, 691-696.	1.0	35
68	Consecutive Fecal Calprotectin Measurements to Predict Relapse in Patients with Ulcerative Colitis Receiving Infliximab Maintenance Therapy. Inflammatory Bowel Diseases, 2013, 19, 2111-2117.	0.9	178
69	Withdrawal time as a quality indicator for colonoscopy - a nationwide analysis. Endoscopy, 2012, 44, 476-481.	1.0	59
70	Incontinence after colonoscopy - an unrecognized and preventable problem. A cross-sectional study from the Gastronet quality assurance program. Endoscopy, 2012, 44, 349-353.	1.0	13
71	Acceptance of American society for gastrointestinal endoscopyâ€™s guidelines for endoscopy reports. Open Journal of Gastroenterology, 2012, 02, 209-214.	0.1	1
72	The functionality and reliability of an Internet interface for assessments of endoscopic still images and video clips: distributed research in gastroenterology. Gastrointestinal Endoscopy, 2006, 63, 445-452.	0.5	9

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73	Image documentation of endoscopic findings in ulcerative colitis: photographs or video clips?. Gastrointestinal Endoscopy, 2005, 61, 715-720.	0.5	16
74	Effect of Elemental Diet on Mucosal Immunopathology and Clinical Symptoms in Type 1 Refractory Celiac Disease. Clinical Gastroenterology and Hepatology, 2005, 3, 875-885.	2.4	71
75	Inter-observer agreement in the assessment of endoscopic findings in ulcerative colitis. BMC Gastroenterology, 2004, 4, 9.	0.8	63
76	Is the Mucosal Inflammation in Ulcerative Colitis Assessed Equally on Videos and Photos?. Gastrointestinal Endoscopy, 2004, 59, P272.	0.5	0
77	Standardization and Quality of Endoscopy Text Reports in Ulcerative Colitis. Endoscopy, 2003, 35, 835-840.	1.0	30