

Appendix 1

After limiting. Search results to dates 2012- Feb-2023

Database	Keywords	Results
IEEE	("Abstract": "Colorectal Cancer" OR "Abstract": "Colon*" OR "Abstract": "Tumor Budding" OR "Abstract": "Bowel Cancer" OR "Abstract": "Colorectal Neoplasms" OR "Abstract": "Rectal Neoplasms" OR "Abstract": "Colon Neoplasms" OR "Abstract": "Carcinoma Colorectal" OR "Abstract": "Polyp*" OR "Abstract": "Colon*" OR "Abstract": "gastrointestinal*" OR "Abstract": "endoscopy") AND ("Abstract": "Machine Learning" OR "Abstract": "Deep Learning" OR "Abstract": "Artificial Intelligence" OR "Abstract": "Neural Network" OR "Abstract": "reinforcement learning" OR "Abstract": "unsupervised learning" OR "Abstract": "supervised learning" or "ensemble learning") AND ("Abstract": "Diagnos*" OR "Abstract": "Detect*" OR "Abstract": "Screen" OR "Abstract": "Classif*")	709
Google Scholar	(Colorectal Colon Bowel Rectal Neoplasm Polyp Colon gastrointestinal endoscopy colonoscopy) & (Diagnosis Detect Screen) & (Machine Learning Deep Learning Artificial Intelligence Neural Networks)	100
ACM	[[Abstract: "machine learning"] OR [Abstract: "deep learning"] OR [Abstract: "artificial intelligence"] OR [Abstract: "neural network"] OR [Abstract: "reinforcement learning"] OR [Abstract: "unsupervised learning"] OR [Abstract: "supervised learning"] OR [Abstract: or] OR [Abstract: "ensemble learning"]] AND [[Abstract: diagnos*] OR [Abstract: detect*] OR [Abstract: screen] OR [Abstract: classif*]] AND [[Abstract: "colorectal cancer"] OR [Abstract:	44

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	"colon*" OR [Abstract: "tumor budding"] OR [Abstract: "bowel cancer"] OR [Abstract: "colorectal neoplasms"] OR [Abstract: "rectal neoplasms"] OR [Abstract: "colon neoplasms"] OR [Abstract: "carcinoma colorectal"] OR [Abstract: "polyp*"] OR [Abstract: "colon*"] OR [Abstract: "gastrointestinal*"] OR [Abstract: "endoscopy"] AND [E-Publication Date: (01/01/2012 TO 11/2/2023)]	
Pubmed	"Machine Learning"[Title/Abstract] OR "Deep Learning"[Title/Abstract] OR "Artificial Intelligence"[Title/Abstract] OR "Neural Network"[Title/Abstract] OR "reinforcement learning"[Title/Abstract] OR "unsupervised learning"[Title/Abstract] OR "supervised learning"[Title/Abstract] OR "ensemble learning"[Title/Abstract] AND Diagnos*[Title/Abstract] OR Detect*[Title/Abstract] OR Screen[Title/Abstract] OR Classif*[Title/Abstract] AND "Colorectal Cancer"[Title/Abstract] OR "Colon*"[Title/Abstract] OR "Tumor Budding"[Title/Abstract] OR "Bowel Cancer"[Title/Abstract] OR "Colorectal Neoplasms"[Title/Abstract] OR "Rectal Neoplasms"[Title/Abstract] OR "Colon Neoplasms"[Title/Abstract] OR "Carcinoma Colorectal"[Title/Abstract] OR "Polyp*"[Title/Abstract] OR "gastrointestinal*"[Title/Abstract] OR "endoscopy"[Title/Abstract]	84
Science Direct	Articles with these terms (limited. To 8) "Colorectal Cancer" OR "Colon" OR "Bowel Cancer" OR "Colorectal Neoplasms" OR	67

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	<p>"Polyp" OR "Colon" OR "gastrointestinal" OR "endoscopy"</p> <p>AND</p> <p>Title, abstract or author-specified keywords</p> <p>"Machine Learning" OR "Deep Learning" OR "Artificial Intelligence" OR "Neural Network" OR "reinforcement learning" OR "unsupervised learning" OR "supervised learning" or "ensemble learning"</p>	
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