Daniel D Buchanan

List of Publications by Citations

237 papers	11,343 citations	58 h-index	100 g-index
273 ext. papers	13,803 ext. citations	6.6 avg, IF	5.4 L-index

#	Paper	IF	Citations
237	CpG island methylator phenotype underlies sporadic microsatellite instability and is tightly associated with BRAF mutation in colorectal cancer. *Nature Genetics*, **2006**, 38, 787-93	36.3	1514
236	Identification of Lynch syndrome among patients with colorectal cancer. *JAMA - Journal of the American Medical Association*, **2012**, 308, 1555-65	27.4	323
235	Risks of Lynch syndrome cancers for MSH6 mutation carriers. *Journal of the National Cancer Institute*, **2010**, 102, 193-201	9.7	279
234	Association between molecular subtypes of colorectal cancer and patient survival. *Gastroenterology* , **2015**, 148, 77-87.e2	13.3	273
233	Colorectal and other cancer risks for carriers and noncarriers from families with a DNA mismatch repair gene mutation: a prospective cohort study. *Journal of Clinical Oncology*, **2012**, 30, 958-64	2.2	245
232	Colorectal cancer cell lines are representative models of the main molecular subtypes of primary cancer. *Cancer Research*, **2014**, 74, 3238-47	10.1	240
231	Advanced colorectal polyps with the molecular and morphological features of serrated polyps and adenomas: concept of a ‘fusion’ pathway to colorectal cancer. *Histopathology*, **2006**, 49, 121-31	7.3	214
230	Correlation of tumour BRAF mutations and MLH1 methylation with germline mismatch repair (MMR) gene mutation status: a literature review assessing utility of tumour features for MMR variant classification. *Journal of Medical Genetics*, **2012**, 49, 151-7	5.8	200
229	Prevalence and Penetrance of Major Genes and Polygenes for Colorectal Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 404-412	4	185
228	Discovery of common and rare genetic risk variants for colorectal cancer. *Nature Genetics*, **2019**, 51, 76-87	36.3	177
227	GSK3B polymorphisms alter transcription and splicing in Parkinson’s disease. *Annals of Neurology*, **2005**, 58, 829-39	9.4	172
226	Cancer risks for MLH1 and MSH2 mutation carriers. *Human Mutation*, **2013**, 34, 490-7	4.7	171
225	Hyperplastic polyposis syndrome: phenotypic presentations and the role of MBD4 and MYH. *Gastroenterology*, **2006**, 131, 30-9	13.3	166
224	KRAS-mutation status in relation to colorectal cancer survival: the joint impact of correlated tumour markers. *British Journal of Cancer*, **2013**, 108, 1757-64	8.7	163
223	Risks of primary extracolonic cancers following colorectal cancer in lynch syndrome. *Journal of the National Cancer Institute*, **2012**, 104, 1363-72	9.7	158
222	Tumor mismatch repair immunohistochemistry and DNA MLH1 methylation testing of patients with endometrial cancer diagnosed at age younger than 60 years optimizes triage for population-level germline mismatch repair gene mutation testing. *Journal of Clinical Oncology*, **2014**, 32, 90-100	2.2	149
221	Tau haplotypes regulate transcription and are associated with Parkinson’s disease. *Annals of Neurology*, **2004**, 55, 329-34	9.4	147

220	Determining Risk of Colorectal Cancer and Starting Age of Screening Based on Lifestyle, Environmental, and Genetic Factors. *Gastroenterology*, **2018**, 154, 2152-2164.e19	13.3	131
219	Risk of colorectal cancer for carriers of mutations in MUTYH, with and without a family history of cancer. *Gastroenterology*, **2014**, 146, 1208-11.e1-5	13.3	128
218	Extensive DNA methylation in normal colorectal mucosa in hyperplastic polyposis. *Gut*, **2006**, 55, 1467-74	9.2	120
217	Prediction of overall survival in stage II and III colon cancer beyond TNM system: a retrospective, pooled biomarker study. *Annals of Oncology*, **2017**, 28, 1023-1031	10.3	116
216	Evidence for BRAF mutation and variable levels of microsatellite instability in a syndrome of familial colorectal cancer. *Clinical Gastroenterology and Hepatology*, **2005**, 3, 254-63	6.9	113
215	BRAFV600E immunohistochemistry facilitates universal screening of colorectal cancers for Lynch syndrome. *American Journal of Surgical Pathology*, **2013**, 37, 1592-602	6.7	112
214	Identification of susceptibility loci for colorectal cancer in a genome-wide meta-analysis. *Human Molecular Genetics*, **2014**, 23, 4729-37	5.6	107
213	Colorectal carcinomas with KRAS mutation are associated with distinctive morphological and molecular features. *Modern Pathology*, **2013**, 26, 825-34	9.8	106
212	BRAF mutation status and survival after colorectal cancer diagnosis according to patient and tumor characteristics. *Cancer Epidemiology Biomarkers and Prevention*, **2012**, 21, 1792-8	4	103
211	PIK3CA activating mutation in colorectal carcinoma: associations with molecular features and survival. *PLoS ONE*, **2013**, 8, e65479	3.7	102
210	Cancer Risks for PMS2-Associated Lynch Syndrome. *Journal of Clinical Oncology*, **2018**, 36, 2961-2968	2.2	102
209	Expression of MUC2, MUC5AC, MUC5B, and MUC6 mucins in colorectal cancers and their association with the CpG island methylator phenotype. *Modern Pathology*, **2013**, 26, 1642-56	9.8	99
208	Quality assessment and correlation of microsatellite instability and immunohistochemical markers among population- and clinic-based colorectal tumors results from the Colon Cancer Family Registry. *Journal of Molecular Diagnostics*, **2011**, 13, 271-81	5.1	95
207	A new GWAS and meta-analysis with 1000Genomes imputation identifies novel risk variants for colorectal cancer. *Scientific Reports*, **2015**, 5, 10442	4.9	94
206	Ethnicity and risk for colorectal cancers showing somatic BRAF V600E mutation or CpG island methylator phenotype. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 1774-80	4	89
205	Risk of metachronous colon cancer following surgery for rectal cancer in mismatch repair gene mutation carriers. *Annals of Surgical Oncology*, **2013**, 20, 1829-36	3.1	87
204	DNA methylation-based biological aging and cancer risk and survival: Pooled analysis of seven prospective studies. *International Journal of Cancer*, **2018**, 142, 1611-1619	7.5	83
203	Association analyses identify 31 new risk loci for colorectal cancer susceptibility. *Nature Communications*, **2019**, 10, 2154	17.4	81

202	Telomere length varies by DNA extraction method: implications for epidemiologic research. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 2047-54	4	81
201	Molecular, pathologic, and clinical features of early-onset endometrial cancer: identifying presumptive Lynch syndrome patients. *Clinical Cancer Research*, **2008**, 14, 1692-700	12.9	81
200	Lynch syndrome-associated breast cancers: clinicopathologic characteristics of a case series from the colon cancer family registry. *Clinical Cancer Research*, **2010**, 16, 2214-24	12.9	80
199	Risks of colorectal and other cancers after endometrial cancer for women with Lynch syndrome. *Journal of the National Cancer Institute*, **2013**, 105, 274-9	9.7	78
198	The prognostic impact of consensus molecular subtypes (CMS) and its predictive effects for bevacizumab benefit in metastatic colorectal cancer: molecular analysis of the AGITG MAX clinical trial. *Annals of Oncology*, **2018**, 29, 2240-2246	10.3	77
197	Phenotype and polyp landscape in serrated polyposis syndrome: a series of 100 patients from genetics clinics. *American Journal of Surgical Pathology*, **2012**, 36, 876-82	6.7	73
196	Variations in the monoamine oxidase B (MAOB) gene are associated with Parkinson© disease. *Movement Disorders*, **1999**, 14, 219-24	7	73
195	Mutational Signature Analysis Reveals NTHL1 Deficiency to Cause a Multi-tumor Phenotype. *Cancer Cell*, **2019**, 35, 256-266.e5	24.3	72
194	Identification of nine new susceptibility loci for endometrial cancer. *Nature Communications*, **2018**, 9, 3166	17.4	70
193	A multifactorial likelihood model for MMR gene variant classification incorporating probabilities based on sequence bioinformatics and tumor characteristics: a report from the Colon Cancer Family Registry. *Human Mutation*, **2013**, 34, 200-9	4.7	70
192	Cancer risks for relatives of patients with serrated polyposis. *American Journal of Gastroenterology*, **2012**, 107, 770-8	0.7	69
191	Germline TP53 Mutations in Patients With Early-Onset Colorectal Cancer in the Colon Cancer Family Registry. *JAMA Oncology*, **2015**, 1, 214-21	13.4	68
190	Risk of extracolonic cancers for people with biallelic and monoallelic mutations in MUTYH. *International Journal of Cancer*, **2016**, 139, 1557-63	7.5	67
189	Novel Common Genetic Susceptibility Loci for Colorectal Cancer. *Journal of the National Cancer Institute*, **2019**, 111, 146-157	9.7	67
188	Aspirin, Ibuprofen, and the Risk of Colorectal Cancer in Lynch Syndrome. *Journal of the National Cancer Institute*, **2015**, 107,	9.7	66
187	Cancer risks for monoallelic MUTYH mutation carriers with a family history of colorectal cancer. *International Journal of Cancer*, **2011**, 129, 2256-62	7.5	66
186	Promoter methylation of Wnt antagonists DKK1 and SFRP1 is associated with opposing tumor subtypes in two large populations of colorectal cancer patients. *Carcinogenesis*, **2011**, 32, 741-7	4.6	66
185	Cross-Cancer Genome-Wide Analysis of Lung, Ovary, Breast, Prostate, and Colorectal Cancer Reveals Novel Pleiotropic Associations. *Cancer Research*, **2016**, 76, 5103-14	10.1	66

184	Association of DNA Methylation-Based Biological Age With Health Risk Factors and Overall and Cause-Specific Mortality. *American Journal of Epidemiology*, **2018**, 187, 529-538	3.8	61
183	Immunohistochemical testing of conventional adenomas for loss of expression of mismatch repair proteins in Lynch syndrome mutation carriers: a case series from the Australasian site of the colon cancer family registry. *Modern Pathology*, **2012**, 25, 722-30	9.8	61
182	Risk factors for colorectal cancer in patients with multiple serrated polyps: a cross-sectional case series from genetics clinics. *PLoS ONE*, **2010**, 5, e11636	3.7	60
181	Association of the colorectal CpG island methylator phenotype with molecular features, risk factors, and family history. *Cancer Epidemiology Biomarkers and Prevention*, **2015**, 24, 512-519	4	59
180	Body size and risk for colorectal cancers showing BRAF mutations or microsatellite instability: a pooled analysis. *International Journal of Epidemiology*, **2012**, 41, 1060-72	7.8	59
179	Pooled analysis of iron-related genes in Parkinson© disease: association with transferrin. *Neurobiology of Disease*, **2014**, 62, 172-8	7.5	57
178	Pro-inflammatory fatty acid profile and colorectal cancer risk: A Mendelian randomisation analysis. *European Journal of Cancer*, **2017**, 84, 228-238	7.5	56
177	Classifying MLH1 and MSH2 variants using bioinformatic prediction, splicing assays, segregation, and tumor characteristics. *Human Mutation*, **2009**, 30, 757-70	4.7	55
176	Female Hormonal Factors and the Risk of Endometrial Cancer in Lynch Syndrome. *JAMA - Journal of the American Medical Association*, **2015**, 314, 61-71	27.4	53
175	Associations of alcohol intake, smoking, physical activity and obesity with survival following colorectal cancer diagnosis by stage, anatomic site and tumor molecular subtype. *International Journal of Cancer*, **2018**, 142, 238-250	7.5	53
174	Clinical problems of colorectal cancer and endometrial cancer cases with unknown cause of tumor mismatch repair deficiency (suspected Lynch syndrome). *The Application of Clinical Genetics*, **2014**, 7, 183-93	3.1	53
173	Identification of BRCA1 missense substitutions that confer partial functional activity: potential moderate risk variants?. *Breast Cancer Research*, **2007**, 9, R82	8.3	51
172	Mendelian randomisation implicates hyperlipidaemia as a risk factor for colorectal cancer. *International Journal of Cancer*, **2017**, 140, 2701-2708	7.5	50
171	Tumour MLH1 promoter region methylation testing is an effective prescreen for Lynch Syndrome (HNPCC). *Journal of Medical Genetics*, **2014**, 51, 789-96	5.8	50
170	The Cys282Tyr polymorphism in the HFE gene in Australian Parkinson© disease patients. *Neuroscience Letters*, **2002**, 327, 91-4	3.3	48
169	Screening PARK genes for mutations in early-onset Parkinson© disease patients from Queensland, Australia. *Parkinsonism and Related Disorders*, **2009**, 15, 105-9	3.6	47
168	Cumulative Burden of Colorectal Cancer-Associated Genetic Variants Is More Strongly Associated With Early-Onset vs Late-Onset Cancer. *Gastroenterology*, **2020**, 158, 1274-1286.e12	13.3	47
167	Shared heritability and functional enrichment across six solid cancers. *Nature Communications*, **2019**, 10, 431	17.4	45

166	Circulating Levels of Insulin-like Growth Factor 1 and Insulin-like Growth Factor Binding Protein 3 Associate With Risk of Colorectal Cancer Based on Serologic and Mendelian Randomization Analyses. *Gastroenterology*, **2020**, 158, 1300-1312.e20	13.3	45
165	KRAS mutations in ovarian low-grade endometrioid adenocarcinoma: association with concurrent endometriosis. *Human Pathology*, **2012**, 43, 1177-83	3.7	43
164	Update on Hereditary Colorectal Cancer: Improving the Clinical Utility of Multigene Panel Testing. *Clinical Colorectal Cancer*, **2018**, 17, e293-e305	3.8	42
163	Phenotypic diversity in patients with multiple serrated polyps: a genetics clinic study. *International Journal of Colorectal Disease*, **2010**, 25, 703-12	3	42
162	High prevalence of mismatch repair deficiency in prostate cancers diagnosed in mismatch repair gene mutation carriers from the colon cancer family registry. *Familial Cancer*, **2014**, 13, 573-82	3	40
161	Body mass index in early adulthood and colorectal cancer risk for carriers and non-carriers of germline mutations in DNA mismatch repair genes. *British Journal of Cancer*, **2011**, 105, 162-9	8.7	40
160	Confirmation of linkage to and localization of familial colon cancer risk haplotype on chromosome 9q22. *Cancer Research*, **2010**, 70, 5409-18	10.1	40
159	A frame-shift mutation of PMS2 is a widespread cause of Lynch syndrome. *Journal of Medical Genetics*, **2008**, 45, 340-5	5.8	40
158	Should the grading of colorectal adenocarcinoma include microsatellite instability status?. *Human Pathology*, **2014**, 45, 2077-84	3.7	39
157	Mendelian randomisation analysis strongly implicates adiposity with risk of developing colorectal cancer. *British Journal of Cancer*, **2016**, 115, 266-72	8.7	39
156	Association between body mass index and mortality for colorectal cancer survivors: overall and by tumor molecular phenotype. *Cancer Epidemiology Biomarkers and Prevention*, **2015**, 24, 1229-38	4	38
155	The intestinal epithelial cell differentiation marker intestinal alkaline phosphatase (ALPi) is selectively induced by histone deacetylase inhibitors (HDACi) in colon cancer cells in a Kruppel-like factor 5 (KLF5)-dependent manner. *Journal of Biological Chemistry*, **2014**, 289, 25306-16	5.4	38
154	Identification of novel variants in colorectal cancer families by high-throughput exome sequencing. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 1239-51	4	36
153	Association between hypermethylation of DNA repetitive elements in white blood cell DNA and early-onset colorectal cancer. *Epigenetics*, **2013**, 8, 748-55	5.7	36
152	Physical activity and risks of breast and colorectal cancer: a Mendelian randomisation analysis. *Nature Communications*, **2020**, 11, 597	17.4	36
151	Lack of evidence for germline mutations in patients with serrated polyposis syndrome from a large multinational study. *Gut*, **2017**, 66, 1170-1172	19.2	35
150	Multiplicity and molecular heterogeneity of colorectal carcinomas in individuals with serrated polyposis. *American Journal of Surgical Pathology*, **2013**, 37, 434-42	6.7	35
149	Mutation deep within an intron of MSH2 causes Lynch syndrome. *Familial Cancer*, **2011**, 10, 297-301	3	34

148	Risk of colorectal cancer for carriers of a germ-line mutation in POLE or POLD1. *Genetics in Medicine* , **2018**, 20, 890-895	8.1	34
147	Characterisation of familial colorectal cancer Type X, Lynch syndrome, and non-familial colorectal cancer. *British Journal of Cancer*, **2014**, 111, 598-602	8.7	33
146	Determining the frequency of de novo germline mutations in DNA mismatch repair genes. *Journal of Medical Genetics*, **2011**, 48, 530-4	5.8	32
145	Role of tumour molecular and pathology features to estimate colorectal cancer risk for first-degree relatives. *Gut*, **2015**, 64, 101-10	19.2	31
144	Genome-wide Modeling of Polygenic Risk Score in Colorectal Cancer Risk. *American Journal of Human Genetics*, **2020**, 107, 432-444	11	31
143	Quantifying the utility of single nucleotide polymorphisms to guide colorectal cancer screening. *Future Oncology*, **2016**, 12, 503-13	3.6	30
142	Promoter methylation of Wnt5a is associated with microsatellite instability and BRAF V600E mutation in two large populations of colorectal cancer patients. *British Journal of Cancer*, **2011**, 104, 1906-12	8.7	30
141	Genome-wide search for gene-gene interactions in colorectal cancer. *PLoS ONE*, **2012**, 7, e52535	3.7	29
140	Alcohol Consumption and the Risk of Colorectal Cancer for Mismatch Repair Gene Mutation Carriers. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 366-375	4	28
139	Sequence variation in the proximity of IDE may impact age at onset of both Parkinson disease and Alzheimer disease. *Neurogenetics*, **2004**, 5, 115-9	3	28
138	Tumor testing to identify lynch syndrome in two Australian colorectal cancer cohorts. *Journal of Gastroenterology and Hepatology (Australia)*, **2017**, 32, 427-438	4	27
137	Variation at 2q35 (PNKD and TMBIM1) influences colorectal cancer risk and identifies a pleiotropic effect with inflammatory bowel disease. *Human Molecular Genetics*, **2016**, 25, 2349-2359	5.6	27
136	Meta-analysis of genome-wide association studies identifies common susceptibility polymorphisms for colorectal and endometrial cancer near SH2B3 and TSHZ1. *Scientific Reports*, **2015**, 5, 17369	4.9	27
135	Dysfunctional epigenetic aging of the normal colon and colorectal cancer risk. *Clinical Epigenetics*, **2020**, 12, 5	7.7	27
134	Are the common genetic variants associated with colorectal cancer risk for DNA mismatch repair gene mutation carriers?. *European Journal of Cancer*, **2013**, 49, 1578-87	7.5	26
133	Novel associations between blood DNA methylation and body mass index in middle-aged and older adults. *International Journal of Obesity*, **2018**, 42, 887-896	5.5	25
132	Improving identification of lynch syndrome patients: a comparison of research data with clinical records. *International Journal of Cancer*, **2013**, 132, 2876-83	7.5	25
131	Prediagnostic Physical Activity and Colorectal Cancer Survival: Overall and Stratified by Tumor Characteristics. *Cancer Epidemiology Biomarkers and Prevention*, **2015**, 24, 1130-7	4	25

130	A novel colorectal cancer risk locus at 4q32.2 identified from an international genome-wide association study. *Carcinogenesis*, **2014**, 35, 2512-9	4.6	25
129	Germline mutations in PMS2 and MLH1 in individuals with solitary loss of PMS2 expression in colorectal carcinomas from the Colon Cancer Family Registry Cohort. *BMJ Open*, **2016**, 6, e010293	3	24
128	Comparison of Prediction Models for Lynch Syndrome Among Individuals With Colorectal Cancer. *Journal of the National Cancer Institute*, **2016**, 108,	9.7	24
127	Dietary intake of one-carbon metabolism nutrients and DNA methylation in peripheral blood. *American Journal of Clinical Nutrition*, **2018**, 108, 611-621	7	24
126	Cohort Profile: The Colon Cancer Family Registry Cohort (CCFRC). *International Journal of Epidemiology*, **2018**, 47, 387-388i	7.8	23
125	Colorectal cancer linkage on chromosomes 4q21, 8q13, 12q24, and 15q22. *PLoS ONE*, **2012**, 7, e38175	3.7	23
124	Association of APOE with Parkinson disease age-at-onset in women. *Neuroscience Letters*, **2007**, 411, 185-8	3.3	23
123	Potential impact of family history-based screening guidelines on the detection of early-onset colorectal cancer. *Cancer*, **2020**, 126, 3013-3020	6.4	23
122	Family history of colorectal cancer in BRAF p.V600E-mutated colorectal cancer cases. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 917-26	4	22
121	Genome-wide association study and meta-analysis in Northern European populations replicate multiple colorectal cancer risk loci. *International Journal of Cancer*, **2018**, 142, 540-546	7.5	21
120	Family history of cancer predicts endometrial cancer risk independently of Lynch Syndrome: Implications for genetic counselling. *Gynecologic Oncology*, **2017**, 147, 381-387	4.9	21
119	The association of telomere length with colorectal cancer differs by the age of cancer onset. *Clinical and Translational Gastroenterology*, **2014**, 5, e52	4.2	21
118	Germline HOXB13 p.Gly84Glu mutation and risk of colorectal cancer. *Cancer Epidemiology*, **2013**, 37, 424-28	2.8	21
117	Multivitamin, calcium and folic acid supplements and the risk of colorectal cancer in Lynch syndrome. *International Journal of Epidemiology*, **2016**, 45, 940-53	7.8	21
116	Lifetime alcohol intake is associated with an increased risk of KRAS+ and BRAF-/KRAS- but not BRAF+ colorectal cancer. *International Journal of Cancer*, **2017**, 140, 1485-1493	7.5	20
115	Targeted sequencing of 36 known or putative colorectal cancer susceptibility genes. *Molecular Genetics & Genomic Medicine*, **2017**, 5, 553-569	2.3	20
114	Germline Mutations in the Polyposis-Associated Genes BMPR1A, SMAD4, PTEN, MUTYH and GREM1 Are Not Common in Individuals with Serrated Polyposis Syndrome. *PLoS ONE*, **2013**, 8, e66705	3.7	20
113	Hyperplastic polyp of the duodenum: a report of 9 cases with immunohistochemical and molecular findings. *Human Pathology*, **2011**, 42, 1953-9	3.7	20

112	Endometrial cancer risk and survival by tumor MMR status. *Journal of Gynecologic Oncology*, **2018**, 29, e39	4	19
111	Analysis of families with Lynch syndrome complicated by advanced serrated neoplasia: the importance of pathology review and pedigree analysis. *Familial Cancer*, **2009**, 8, 313-23	3	19
110	The ACE deletion polymorphism is not associated with Parkinson's disease. *European Neurology*, **1999**, 41, 103-6	2.1	19
109	Risk factors for metachronous colorectal cancer following a primary colorectal cancer: A prospective cohort study. *International Journal of Cancer*, **2016**, 139, 1081-90	7.5	19
108	Targeted sequencing of established and candidate colorectal cancer genes in the Colon Cancer Family Registry Cohort. *Oncotarget*, **2017**, 8, 93450-93463	3.3	18
107	SNP rs16906252C>T Is an Expression and Methylation Quantitative Trait Locus Associated with an Increased Risk of Developing MGMT-Methylated Colorectal Cancer. *Clinical Cancer Research*, **2016**, 22, 6266-6277	12.9	18
106	Do serrated neoplasms of the small intestine represent a distinct entity? Pathological findings and molecular alterations in a series of 13 cases. *Histopathology*, **2015**, 66, 333-42	7.3	18
105	Mendelian randomization analysis of C-reactive protein on colorectal cancer risk. *International Journal of Epidemiology*, **2019**, 48, 767-780	7.8	18
104	Ability of known susceptibility SNPs to predict colorectal cancer risk for persons with and without a family history. *Familial Cancer*, **2019**, 18, 389-397	3	17
103	Association Between Molecular Subtypes of Colorectal Tumors and Patient Survival, Based on Pooled Analysis of 7 International Studies. *Gastroenterology*, **2020**, 158, 2158-2168.e4	13.3	17
102	Linkage to chromosome 2q32.2-q33.3 in familial serrated neoplasia (Jass syndrome). *Familial Cancer*, **2011**, 10, 245-54	3	17
101	Adiposity, metabolites, and colorectal cancer risk: Mendelian randomization study. *BMC Medicine*, **2020**, 18, 396	11.4	17
100	Genetic variant predictors of gene expression provide new insight into risk of colorectal cancer. *Human Genetics*, **2019**, 138, 307-326	6.3	17
99	Clinicopathologic Risk Factor Distributions for MLH1 Promoter Region Methylation in CIMP-Positive Tumors. *Cancer Epidemiology Biomarkers and Prevention*, **2016**, 25, 68-75	4	16
98	Landscape of somatic single nucleotide variants and indels in colorectal cancer and impact on survival. *Nature Communications*, **2020**, 11, 3644	17.4	16
97	Immunophenotypic analysis of ovarian endometrioid adenocarcinoma: correlation with KRAS mutation and the presence of endometriosis. *Pathology*, **2013**, 45, 559-66	1.6	15
96	The parkin gene S/N167 polymorphism in Australian Parkinson's disease patients and controls. *Parkinsonism and Related Disorders*, **2001**, 7, 89-91	3.6	15
95	Characteristics of Early-Onset vs Late-Onset Colorectal Cancer: A Review. *JAMA Surgery*, **2021**, 156, 865-874	5.4	15

94	Circulating 25-Hydroxyvitamin D Concentration and Risk of Breast, Prostate, and Colorectal Cancers: The Melbourne Collaborative Cohort Study. *Cancer Epidemiology Biomarkers and Prevention*, **2019**, 28, 900-908	4	14
93	DNA mismatch repair protein deficient non-neoplastic colonic crypts: a novel indicator of Lynch syndrome. *Modern Pathology*, **2018**, 31, 1608-1618	9.8	14
92	Association between hypermethylation of DNA repetitive elements in white blood cell DNA and pancreatic cancer. *Cancer Epidemiology*, **2014**, 38, 576-82	2.8	14
91	A perspective on bi-allelic MUTYH mutations in patients with hyperplastic polyposis syndrome. *Gastroenterology*, **2009**, 136, 2407-8	13.3	14
90	Lack of association between CYP1A1 polymorphism and Parkinson's disease in a Chinese population. *Journal of Neural Transmission*, **2002**, 109, 35-9	4.3	14
89	Consequences of germline variation disrupting the constitutional translational initiation codon start sites of MLH1 and BRCA2: Use of potential alternative start sites and implications for predicting variant pathogenicity. *Molecular Carcinogenesis*, **2015**, 54, 513-22	5	13
88	Detection of large scale 3'deletions in the PMS2 gene amongst Colon-CFR participants: have we been missing anything?. *Familial Cancer*, **2013**, 12, 563-6	3	13
87	Mendelian randomization analyses suggest a role for cholesterol in the development of endometrial cancer. *International Journal of Cancer*, **2021**, 148, 307-319	7.5	13
86	Phenotypic confirmation of oligodontia, colorectal polyposis and cancer in a family carrying an exon 7 nonsense variant in the AXIN2 gene. *Familial Cancer*, **2019**, 18, 311-315	3	11
85	Systematic meta-analyses, field synopsis and global assessment of the evidence of genetic association studies in colorectal cancer. *Gut*, **2020**, 69, 1460-1471	19.2	11
84	Somatic mutations of the coding microsatellites within the beta-2-microglobulin gene in mismatch repair-deficient colorectal cancers and adenomas. *Familial Cancer*, **2018**, 17, 91-100	3	11
83	Lynch syndrome and cervical cancer. *International Journal of Cancer*, **2015**, 137, 2757-61	7.5	11
82	Methylation of Breast Cancer Predisposition Genes in Early-Onset Breast Cancer: Australian Breast Cancer Family Registry. *PLoS ONE*, **2016**, 11, e0165436	3.7	11
81	Biological Aging Measures Based on Blood DNA Methylation and Risk of Cancer: A Prospective Study. *JNCI Cancer Spectrum*, **2021**, 5, pkaa109	4.6	11
80	Medically actionable pathogenic variants in a population of 13,131 healthy elderly individuals. *Genetics in Medicine*, **2020**, 22, 1883-1886	8.1	10
79	Monoallelic NTHL1 Loss-of-Function Variants and Risk of Polyposis and Colorectal Cancer. *Gastroenterology*, **2020**, 159, 2241-2243.e6	13.3	10
78	Physical activity and the risk of colorectal cancer in Lynch syndrome. *International Journal of Cancer*, **2018**, 143, 2250-2260	7.5	9
77	Cancer risks for the relatives of colorectal cancer cases with a methylated MLH1 promoter region: data from the Colorectal Cancer Family Registry. *Cancer Prevention Research*, **2012**, 5, 328-35	3.2	9

76	RNF43 is mutated less frequently in Lynch Syndrome compared with sporadic microsatellite unstable colorectal cancers. *Familial Cancer*, **2018**, 17, 63-69	3	9
75	Risk factors for metachronous colorectal cancer or polyp: A systematic review and meta-analysis. *Journal of Gastroenterology and Hepatology (Australia)*, **2017**, 32, 301-326	4	8
74	Risk of colorectal cancer for people with a mutation in both a MUTYH and a DNA mismatch repair gene. *Familial Cancer*, **2015**, 14, 575-83	3	8
73	Costs and outcomes of Lynch syndrome screening in the Australian colorectal cancer population. *Journal of Gastroenterology and Hepatology (Australia)*, **2018**, 33, 1737-1744	4	8
72	Absence of PMS2 mutations in colon-CFR participants whose colorectal cancers demonstrate unexplained loss of MLH1 expression. *Clinical Genetics*, **2013**, 83, 591-3	4	8
71	Intake of Dietary Fruit, Vegetables, and Fiber and Risk of Colorectal Cancer According to Molecular Subtypes: A Pooled Analysis of 9 Studies. *Cancer Research*, **2020**, 80, 4578-4590	10.1	8
70	Risk and prognostic factors for endometrial carcinoma after diagnosis of breast or Lynch-associated cancers-A population-based analysis. *Cancer Medicine*, **2018**, 7, 6411-6422	4.8	8
69	Cross-Cancer Genome-Wide Association Study of Endometrial Cancer and Epithelial Ovarian Cancer Identifies Genetic Risk Regions Associated with Risk of Both Cancers. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 217-228	4	7
68	DUSP5 is methylated in CIMP-high colorectal cancer but is not a major regulator of intestinal cell proliferation and tumorigenesis. *Scientific Reports*, **2018**, 8, 1767	4.9	7
67	GWASeq: targeted re-sequencing follow up to GWAS. *BMC Genomics*, **2016**, 17, 176	4.5	7
66	Genetic architectures of proximal and distal colorectal cancer are partly distinct. *Gut*, **2021**, 70, 1325-1334	19.2	7
65	Mendelian randomisation study of age at menarche and age at menopause and the risk of colorectal cancer. *British Journal of Cancer*, **2018**, 118, 1639-1647	8.7	7
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