Graham Casey

List of Publications by Citations

124 papers	**5,926** citations	**38** h-index	**75** g-index
134 ext. papers	**7,629** ext. citations	**8.9** avg, IF	**4.21** L-index

#	Paper	IF	Citations
124	Convergence of genes and cellular pathways dysregulated in autism spectrum disorders. *American Journal of Human Genetics*, **2014**, 94, 677-94	11	635
123	Genome-wide association analysis of more than 120,000 individuals identifies 15 new susceptibility loci for breast cancer. *Nature Genetics*, **2015**, 47, 373-80	36.3	406
122	A meta-analysis of 87,040 individuals identifies 23 new susceptibility loci for prostate cancer. *Nature Genetics*, **2014**, 46, 1103-9	36.3	331
121	Principles for the post-GWAS functional characterization of cancer risk loci. *Nature Genetics*, **2011**, 43, 513-8	36.3	326
120	Identification of Genetic Susceptibility Loci for Colorectal Tumors in a Genome-Wide Meta-analysis. *Gastroenterology*, **2013**, 144, 799-807.e24	13.3	250
119	Prevalence and Penetrance of Major Genes and Polygenes for Colorectal Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 404-412	4	185
118	Common variation near CDKN1A, POLD3 and SHROOM2 influences colorectal cancer risk. *Nature Genetics*, **2012**, 44, 770-6	36.3	184
117	The OncoArray Consortium: A Network for Understanding the Genetic Architecture of Common Cancers. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 126-135	4	183
116	Discovery of common and rare genetic risk variants for colorectal cancer. *Nature Genetics*, **2019**, 51, 76-87	36.3	177
115	Large-scale genetic study in East Asians identifies six new loci associated with colorectal cancer risk. *Nature Genetics*, **2014**, 46, 533-42	36.3	175
114	Meta-analysis of new genome-wide association studies of colorectal cancer risk. *Human Genetics*, **2012**, 131, 217-34	6.3	173
113	Multiple common susceptibility variants near BMP pathway loci GREM1, BMP4, and BMP2 explain part of the missing heritability of colorectal cancer. *PLoS Genetics*, **2011**, 7, e1002105	6	169
112	Genome-wide association analyses in East Asians identify new susceptibility loci for colorectal cancer. *Nature Genetics*, **2013**, 45, 191-6	36.3	155
111	Association of aspirin and NSAID use with risk of colorectal cancer according to genetic variants. *JAMA - Journal of the American Medical Association*, **2015**, 313, 1133-42	27.4	135
110	Identification of susceptibility loci for colorectal cancer in a genome-wide meta-analysis. *Human Molecular Genetics*, **2014**, 23, 4729-37	5.6	107
109	Genome-wide association study of colorectal cancer identifies six new susceptibility loci. *Nature Communications*, **2015**, 6, 7138	17.4	106
108	A new GWAS and meta-analysis with 1000Genomes imputation identifies novel risk variants for colorectal cancer. *Scientific Reports*, **2015**, 5, 10442	4.9	94

107	Association analyses identify 31 new risk loci for colorectal cancer susceptibility. *Nature Communications*, **2019**, 10, 2154	17.4	81
106	Genetically Predicted Body Mass Index and Breast Cancer Risk: Mendelian Randomization Analyses of Data from 145,000 Women of European Descent. *PLoS Medicine*, **2016**, 13, e1002105	11.6	80
105	Prostate Cancer Susceptibility in Men of African Ancestry at 8q24. *Journal of the National Cancer Institute*, **2016**, 108,	9.7	72
104	Risk of extracolonic cancers for people with biallelic and monoallelic mutations in MUTYH. *International Journal of Cancer*, **2016**, 139, 1557-63	7.5	67
103	Novel Common Genetic Susceptibility Loci for Colorectal Cancer. *Journal of the National Cancer Institute*, **2019**, 111, 146-157	9.7	67
102	Genome-wide diet-gene interaction analyses for risk of colorectal cancer. *PLoS Genetics*, **2014**, 10, e1004228	6.28	66
101	Trans-ethnic genome-wide association study of colorectal cancer identifies a new susceptibility locus in VTI1A. *Nature Communications*, **2014**, 5, 4613	17.4	62
100	Trans-ancestry genome-wide association meta-analysis of prostate cancer identifies new susceptibility loci and informs genetic risk prediction. *Nature Genetics*, **2021**, 53, 65-75	36.3	62
99	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
98	Pro-inflammatory fatty acid profile and colorectal cancer risk: A Mendelian randomisation analysis. *European Journal of Cancer*, **2017**, 84, 228-238	7.5	56
97	Large-Scale Genome-Wide Association Study of East Asians Identifies Loci Associated With Risk for Colorectal Cancer. *Gastroenterology*, **2019**, 156, 1455-1466	13.3	55
96	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
95	Mendelian randomisation implicates hyperlipidaemia as a risk factor for colorectal cancer. *International Journal of Cancer*, **2017**, 140, 2701-2708	7.5	50
94	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
93	Genome-wide scan of 29,141 African Americans finds no evidence of directional selection since admixture. *American Journal of Human Genetics*, **2014**, 95, 437-44	11	46
92	Shared heritability and functional enrichment across six solid cancers. *Nature Communications*, **2019**, 10, 431	17.4	45
91	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
90	Gene-environment interaction involving recently identified colorectal cancer susceptibility Loci. *Cancer Epidemiology Biomarkers and Prevention*, **2014**, 23, 1824-33	4	40

89	Mendelian randomisation analysis strongly implicates adiposity with risk of developing colorectal cancer. *British Journal of Cancer*, **2016**, 115, 266-72	8.7	39
88	Two Novel Susceptibility Loci for Prostate Cancer in Men of African Ancestry. *Journal of the National Cancer Institute*, **2017**, 109,	9.7	38
87	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
86	Atlas of prostate cancer heritability in European and African-American men pinpoints tissue-specific regulation. *Nature Communications*, **2016**, 7, 10979	17.4	37
85	Integration of multiethnic fine-mapping and genomic annotation to prioritize candidate functional SNPs at prostate cancer susceptibility regions. *Human Molecular Genetics*, **2015**, 24, 5603-18	5.6	35
84	Assessment of polygenic architecture and risk prediction based on common variants across fourteen cancers. *Nature Communications*, **2020**, 11, 3353	17.4	32
83	Identification and characterization of functional risk variants for colorectal cancer mapping to chromosome 11q23.1. *Human Molecular Genetics*, **2014**, 23, 2198-209	5.6	31
82	Modifiable pathways for colorectal cancer: a mendelian randomisation analysis. *The Lancet Gastroenterology and Hepatology*, **2020**, 5, 55-62	18.8	31
81	Genome-wide Modeling of Polygenic Risk Score in Colorectal Cancer Risk. *American Journal of Human Genetics*, **2020**, 107, 432-444	11	31
80	Genome-Wide Interaction Analyses between Genetic Variants and Alcohol Consumption and Smoking for Risk of Colorectal Cancer. *PLoS Genetics*, **2016**, 12, e1006296	6	30
79	Telomere structure and maintenance gene variants and risk of five cancer types. *International Journal of Cancer*, **2016**, 139, 2655-2670	7.5	30
78	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
77	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
76	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
75	A genome-wide association study for colorectal cancer identifies a risk locus in 14q23.1. *Human Genetics*, **2015**, 134, 1249-1262	6.3	25
74	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
73	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
72	Multiple functional risk variants in a SMAD7 enhancer implicate a colorectal cancer risk haplotype. *PLoS ONE*, **2014**, 9, e111914	3.7	24

71	Cohort Profile: The Colon Cancer Family Registry Cohort (CCFRC). *International Journal of Epidemiology*, **2018**, 47, 387-388i	7.8	23
70	Identification of a common variant with potential pleiotropic effect on risk of inflammatory bowel disease and colorectal cancer. *Carcinogenesis*, **2015**, 36, 999-1007	4.6	21
69	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
68	A Mixed-Effects Model for Powerful Association Tests in Integrative Functional Genomics. *American Journal of Human Genetics*, **2018**, 102, 904-919	11	20
67	Next generation sequencing and a new era of medicine. *Gut*, **2013**, 62, 920-32	19.2	19
66	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
65	Mendelian randomization analysis of C-reactive protein on colorectal cancer risk. *International Journal of Epidemiology*, **2019**, 48, 767-780	7.8	18
64	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
63	Deciphering the genetic architecture of low-penetrance susceptibility to colorectal cancer. *Human Molecular Genetics*, **2013**, 22, 5075-82	5.6	17
62	Adiposity, metabolites, and colorectal cancer risk: Mendelian randomization study. *BMC Medicine*, **2020**, 18, 396	11.4	17
61	CYP24A1 variant modifies the association between use of oestrogen plus progestogen therapy and colorectal cancer risk. *British Journal of Cancer*, **2016**, 114, 221-9	8.7	16
60	Nongenetic Determinants of Risk for Early-Onset Colorectal Cancer. *JNCI Cancer Spectrum*, **2021**, 5, pkab029	2	15
59	Association of genetic susceptibility variants for type 2 diabetes with breast cancer risk in women of European ancestry. *Cancer Causes and Control*, **2016**, 27, 679-93	2.8	15
58	Identifying Novel Susceptibility Genes for Colorectal Cancer Risk From a Transcriptome-Wide Association Study of 125,478 Subjects. *Gastroenterology*, **2021**, 160, 1164-1178.e6	13.3	15
57	Common colorectal cancer risk alleles contribute to the multiple colorectal adenoma phenotype, but do not influence colonic polyposis in FAP. *European Journal of Human Genetics*, **2015**, 23, 260-3	5.3	14
56	A Germline Variant at 8q24 Contributes to Familial Clustering of Prostate Cancer in Men of African Ancestry. *European Urology*, **2020**, 78, 316-320	10.2	13
55	A Meta-analysis of Multiple Myeloma Risk Regions in African and European Ancestry Populations Identifies Putatively Functional Loci. *Cancer Epidemiology Biomarkers and Prevention*, **2016**, 25, 1609-1618	4	13
54	DNA repair and cancer in colon and rectum: Novel players in genetic susceptibility. *International Journal of Cancer*, **2020**, 146, 363-372	7.5	13

53	Mendelian Randomization of Circulating Polyunsaturated Fatty Acids and Colorectal Cancer Risk. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 860-870	4	12
52	Modeling the effect of prolonged ethanol exposure on global gene expression and chromatin accessibility in normal 3D colon organoids. *PLoS ONE*, **2020**, 15, e0227116	3.7	12
51	Circulating bilirubin levels and risk of colorectal cancer: serological and Mendelian randomization analyses. *BMC Medicine*, **2020**, 18, 229	11.4	11
50	Common variants in the obesity-associated genes FTO and MC4R are not associated with risk of colorectal cancer. *Cancer Epidemiology*, **2016**, 44, 1-4	2.8	9
49	No evidence of gene-calcium interactions from genome-wide analysis of colorectal cancer risk. *Cancer Epidemiology Biomarkers and Prevention*, **2014**, 23, 2971-6	4	9
48	Racial Disparities in Epigenetic Aging of the Right vs Left Colon. *Journal of the National Cancer Institute*, **2020**,	9.7	9
47	A latent unknown clustering integrating multi-omics data (LUCID) with phenotypic traits. *Bioinformatics*, **2020**, 36, 842-850	7.2	9
46	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
45	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. *American Journal of Human Genetics*, **2021**, 108, 564-582	11	7
44	Ethanol exposure drives colon location specific cell composition changes in a normal colon crypt 3D organoid model. *Scientific Reports*, **2021**, 11, 432	4.9	7
43	Genetic architectures of proximal and distal colorectal cancer are partly distinct. *Gut*, **2021**, 70, 1325-1334	19.2	7
42	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
41	Germline miRNA DNA variants and the risk of colorectal cancer by subtype. *Genes Chromosomes and Cancer*, **2017**, 56, 177-184	5	6
40	Association of Body Mass Index With Colorectal Cancer Risk by Genome-Wide Variants. *Journal of the National Cancer Institute*, **2021**, 113, 38-47	9.7	6
39	A functional variant on 20q13.33 related to glioma risk alters enhancer activity and modulates expression of multiple genes. *Human Mutation*, **2021**, 42, 77-88	4.7	6
38	Determining the familial risk distribution of colorectal cancer: a data mining approach. *Familial Cancer*, **2016**, 15, 241-51	3	5
37	A meta-analysis of genome-wide association studies of multiple myeloma among men and women of African ancestry. *Blood Advances*, **2020**, 4, 181-190	7.8	5
36	Oncogenic Features in Histologically Normal Mucosa: Novel Insights Into Field Effect From a Mega-Analysis of Colorectal Transcriptomes. *Clinical and Translational Gastroenterology*, **2020**, 11, e00210	4.2	5

35	Fine-Mapping of Common Genetic Variants Associated with Colorectal Tumor Risk Identified Potential Functional Variants. *PLoS ONE*, **2016**, 11, e0157521	3.7	5
34	Cholecystectomy and the risk of colorectal cancer by tumor mismatch repair deficiency status. *International Journal of Colorectal Disease*, **2016**, 31, 1451-7	3	5
33	Genetically predicted circulating concentrations of micronutrients and risk of colorectal cancer among individuals of European descent: a Mendelian randomization study. *American Journal of Clinical Nutrition*, **2021**, 113, 1490-1502	7	5
32	SNPs associated with colorectal cancer at 15q13.3 affect risk enhancers that modulate GREM1 gene expression. *Human Mutation*, **2021**, 42, 237-245	4.7	5
31	Type 2 diabetes mellitus, blood cholesterol, triglyceride and colorectal cancer risk in Lynch syndrome. *British Journal of Cancer*, **2019**, 121, 869-876	8.7	4
30	Childhood cancers in families with and without Lynch syndrome. *Familial Cancer*, **2015**, 14, 545-51	3	4
29	Functional informed genome-wide interaction analysis of body mass index, diabetes and colorectal cancer risk. *Cancer Medicine*, **2020**, 9, 3563-3573	4.8	4
28	Interaction between polymorphisms in aspirin metabolic pathways, regular aspirin use and colorectal cancer risk: A case-control study in unselected white European populations. *PLoS ONE*, **2018**, 13, e0192223	3.7	4
27	Genetic Effects on Transcriptome Profiles in Colon Epithelium Provide Functional Insights for Genetic Risk Loci. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 12, 181-197	7.9	4
26	Circulating Levels of Testosterone, Sex Hormone Binding Globulin and Colorectal Cancer Risk: Observational and Mendelian Randomization Analyses. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 1336-1348	4	3
25	Controlling for cellular heterogeneity using single-cell deconvolution of gene expression reveals novel markers of colorectal tumors exhibiting microsatellite instability. *Oncotarget*, **2021**, 12, 767-782	3.3	3
24	A Functional Variant on 9p21.3 Related to Glioma Risk Affects Enhancer Activity and Modulates Expression of CDKN2B-AS1. *Human Mutation*, **2021**, 42, 1208-1214	4.7	3
23	Transcriptome-wide Effects of Aspirin on Patient-derived Normal Colon Organoids. *Cancer Prevention Research*, **2021**, 14, 1089-1100	3.2	3
22	Methodological Considerations in Estimation of Phenotype Heritability Using Genome-Wide SNP Data, Illustrated by an Analysis of the Heritability of Height in a Large Sample of African Ancestry Adults. *PLoS ONE*, **2015**, 10, e0131106	3.7	2
21	Genetically proxied therapeutic inhibition of antihypertensive drug targets and risk of common cancers: A mendelian randomization analysis.. *PLoS Medicine*, **2022**, 19, e1003897	11.6	2
20	A Combined Proteomics and Mendelian Randomization Approach to Investigate the Effects of Aspirin-Targeted Proteins on Colorectal Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 564-575	4	2
19	Assessment of a Polygenic Risk Score for Colorectal Cancer to Predict Risk of Lynch Syndrome Colorectal Cancer. *JNCI Cancer Spectrum*, **2021**, 5, pkab022	4.6	2
18	Genomic Analysis of Germline Variation Associated with Survival of Patients with Colorectal Cancer Treated with Chemotherapy Plus Biologics in CALGB/SWOG 80405 (Alliance). *Clinical Cancer Research*, **2021**, 27, 267-275	12.9	2

17	Genetic susceptibility markers for a breast-colorectal cancer phenotype: Exploratory results from genome-wide association studies. *PLoS ONE*, **2018**, 13, e0196245	3.7	2
16	Prioritization and functional analysis of GWAS risk loci for Barrett's esophagus and esophageal adenocarcinoma. *Human Molecular Genetics*, **2021**,	5.6	2
15	Cross-Cancer Analysis Reveals Novel Pleiotropic Associations-Response. *Cancer Research*, **2017**, 77, 6045-6046	10	1
14	Genome-wide association study of circulating folate one-carbon metabolites. *Genetic Epidemiology*, **2019**, 43, 1030-1045	2.6	1
13	Principles for the post-GWAS functional characterisation of risk loci. *Nature Precedings*, **2010**,		1
12	Salicylic Acid and Risk of Colorectal Cancer: A Two-Sample Mendelian Randomization Study. *Nutrients*, **2021**, 13,	6.7	1
11	A RecQ Protein-like 5 Haplotype is Associated With Colon Cancer. *Gastroenterology Research*, **2010**, 3, 101-105	1.8	1
10	Exploratory Genome-Wide Interaction Analysis of Nonsteroidal Anti-inflammatory Drugs and Predicted Gene Expression on Colorectal Cancer Risk. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 1800-1808	4	1
9	Response to Li and Hopper. *American Journal of Human Genetics*, **2021**, 108, 527-529	11	1
8	Genetically Predicted Circulating C-Reactive Protein Concentration and Colorectal Cancer Survival: A Mendelian Randomization Consortium Study. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 1349-1358	4	1
7	Lack of an association between gallstone disease and bilirubin levels with risk of colorectal cancer: a Mendelian randomisation analysis. *British Journal of Cancer*, **2021**, 124, 1169-1174	8.7	1
6	Rare Variants in the DNA Repair Pathway and the Risk of Colorectal Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 895-903	4	1
5	Novel insights into the molecular mechanisms underlying risk of colorectal cancer from smoking and red/processed meat carcinogens by modeling exposure in normal colon organoids. *Oncotarget*, **2021**, 12, 1863-1877	3.3	1
4	Colon Crypts of Subjects With Familial Adenomatous Polyposis Show an Increased Number of LGR5+ Ectopic Stem Cells. *Clinical and Translational Gastroenterology*, **2021**, 12, e00353	4.2	0
3	Beyond GWAS of Colorectal Cancer: Evidence of Interaction with Alcohol Consumption and Putative Causal Variant for the 10q24.2 Region.. *Cancer Epidemiology Biomarkers and Prevention*, **2022**, OF1-OF13	4	0
2	No Association of Obesity and Type 2 Diabetes Mellitus Related Genetic Variants With Colon Cancer. *Gastroenterology Research*, **2009**, 2, 311-316	1.8	
1	DCC and RET pathway analysis to identify factors associated with advanced colorectal cancer.. *Journal of Clinical Oncology*, **2014**, 32, 457-457	2.2	