Walter Bodmer

List of Publications by Citations

206 papers	27,205 citations	73 h-index	164 g-index
221 ext. papers	29,373 ext. citations	13.7 avg, IF	6.54 L-index

#	Paper	IF	Citations
206	An integrated map of genetic variation from 1,092 human genomes. *Nature*, **2012**, 491, 56-65	50.4	6049
205	Production of monoclonal antibodies to group A erythrocytes, HLA and other human cell surface antigens-new tools for genetic analysis. *Cell*, **1978**, 14, 9-20	56.2	1738
204	A serine/threonine kinase gene defective in Peutz-Jeghers syndrome. *Nature*, **1998**, 391, 184-7	50.4	1284
203	Localization of the gene for familial adenomatous polyposis on chromosome 5. *Nature*, **1987**, 328, 614-6	50.4	1214
202	Common and rare variants in multifactorial susceptibility to common diseases. *Nature Genetics*, **2008**, 40, 695-701	36.3	881
201	Target genes of beta-catenin-T cell-factor/lymphoid-enhancer-factor signaling in human colorectal carcinomas. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 1603-8	11.5	707
200	Chromosome 5 allele loss in human colorectal carcinomas. *Nature*, **1987**, 328, 616-9	50.4	545
199	Monoclonal antibodies to epithelium-specific components of the human milk fat globule membrane: production and reaction with cells in culture. *International Journal of Cancer*, **1981**, 28, 17-21	7.5	534
198	Nomenclature for factors of the HLA system, 2004. *Tissue Antigens*, **2005**, 65, 301-69		476
197	Beta-catenin mutations in cell lines established from human colorectal cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 10330-4	11.5	397
196	Localization of a susceptibility locus for Peutz-Jeghers syndrome to 19p using comparative genomic hybridization and targeted linkage analysis. *Nature Genetics*, **1997**, 15, 87-90	36.3	385
195	APC mutations in sporadic colorectal tumors: A mutational "hotspot" and interdependence of the "two hits". *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 3352-7	11.5	380
194	The Eurasian heartland: a continental perspective on Y-chromosome diversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 10244-9	11.5	378
193	The mutation rate and cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 14800-3	11.5	358
192	Cancer stem cells from colorectal cancer-derived cell lines. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3722-7	11.5	348
191	The fine-scale genetic structure of the British population. *Nature*, **2015**, 519, 309-314	50.4	298
190	The type of somatic mutation at APC in familial adenomatous polyposis is determined by the site of the germline mutation: a new facet to Knudson's 'two-hit' hypothesis. *Nature Medicine*, **1999**, 5, 1071-5	50.5	295

189	Chromosomal localization of human cellular homologues of two viral oncogenes. *Nature*, **1982**, 299, 747-9	50.4	290
188	Differentiation antigens expressed by epithelial cells in the lactating breast are also detectable in breast cancers. *International Journal of Cancer*, **1981**, 28, 23-9	7.5	274
187	Genetic analysis with human--mouse somatic cell hybrids. *Nature*, **1969**, 223, 358-63	50.4	265
186	Selection, the mutation rate and cancer: ensuring that the tail does not wag the dog. *Nature Medicine*, **1999**, 5, 11-2	50.5	252
185	Colorectal cancer cell lines are representative models of the main molecular subtypes of primary cancer. *Cancer Research*, **2014**, 74, 3238-47	10.1	240
184	Insulin-like growth factor 1 regulates the location, stability, and transcriptional activity of beta-catenin. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 12103-8	11.5	238
183	Cancer cell lines for drug discovery and development. *Cancer Research*, **2014**, 74, 2377-84	10.1	234
182	Mathematical modeling of cell population dynamics in the colonic crypt and in colorectal cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4008-13	11.5	219
181	Germline mutations in BMPR1A/ALK3 cause a subset of cases of juvenile polyposis syndrome and of Cowden and Bannayan-Riley-Ruvalcaba syndromes. *American Journal of Human Genetics*, **2001**, 69, 704-11	11	208
180	Molecular analysis of APC mutations in familial adenomatous polyposis and sporadic colon carcinomas. *Lancet, The*, **1992**, 340, 626-30	40	203
179	Expression of HLA antigens, beta 2-microglobulin and enzymes by human amniotic epithelial cells. *Nature*, **1982**, 295, 325-7	50.4	200
178	Assignment of the structural gene for the third component of human complement to chromosome 19. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 5021-5	11.5	194
177	A Novel Carcinoembryonic Antigen T-Cell Bispecific Antibody (CEA TCB) for the Treatment of Solid Tumors. *Clinical Cancer Research*, **2016**, 22, 3286-97	12.9	185
176	Protein clinical manifestations of primary tumors of the heart. *American Journal of Medicine*, **1972**, 52, 1-8	2.4	172
175	Analysis of P53 mutations and their expression in 56 colorectal cancer cell lines. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 976-81	11.5	171
174	The APC variants I1307K and E1317Q are associated with colorectal tumors, but not always with a family history. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 10722-7	11.5	169
173	Multiple rare variants in different genes account for multifactorial inherited susceptibility to colorectal adenomas. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15992-7	11.5	166
172	Array comparative genomic hybridization analysis of colorectal cancer cell lines and primary carcinomas. *Cancer Research*, **2004**, 64, 4817-25	10.1	157

171	Sequence of an HLA-DR alpha-chain cDNA clone and intron-exon organization of the corresponding gene. *Nature*, **1982**, 299, 750-2	50.4	157
170	SMAD4 mutations in colorectal cancer probably occur before chromosomal instability, but after divergence of the microsatellite instability pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 9719-23	11.5	147
169	APC mutations are sufficient for the growth of early colorectal adenomas. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 2225-8	11.5	146
168	Failure of programmed cell death and differentiation as causes of tumors: some simple mathematical models. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 11130-4	11.5	145
167	Multigene amplification and massively parallel sequencing for cancer mutation discovery. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9387-92	11.5	143
166	Human gene mapping using an X/autosome translocation. *Somatic Cell Genetics*, **1976**, 2, 125-40		142
165	Intestinal trefoil factor controls the expression of the adenomatous polyposis coli-catenin and the E-cadherin-catenin complexes in human colon carcinoma cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 3122-7	11.5	140
164	Spectral karyotyping suggests additional subsets of colorectal cancers characterized by pattern of chromosome rearrangement. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 2538-43	11.5	136
163	DNA mismatch repair genes and colorectal cancer. *Gut*, **2000**, 47, 148-53	19.2	126
162	Mutations in DPC4 (SMAD4) cause juvenile polyposis syndrome, but only account for a minority of cases. *Human Molecular Genetics*, **1998**, 7, 1907-12	5.6	124
161	Beta 2-microglobulin gene mutations: a study of established colorectal cell lines and fresh tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 4751-5	11.5	122
160	Whole-gene APC deletions cause classical familial adenomatous polyposis, but not attenuated polyposis or "multiple" colorectal adenomas. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2954-8	11.5	115
159	Genetics of colorectal cancer: hereditary aspects and overview of colorectal tumorigenesis. *British Medical Bulletin*, **2002**, 64, 27-43	5.4	113
158	Germline APC variants in patients with multiple colorectal adenomas, with evidence for the particular importance of E1317Q. *Human Molecular Genetics*, **2000**, 9, 2215-21	5.6	113
157	Subcellular separation and molecular nature of human histocompatibility antigens (HL-A). *Nature*, **1974**, 247, 457-61	50.4	111
156	X-inactivation patch size in human female tissue confounds the assessment of tumor clonality. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 3311-4	11.5	108
155	Dietary fat influences on polyp phenotype in multiple intestinal neoplasia mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 3308-13	11.5	103
154	Hypermethylation of the promoter region of the E-cadherin gene (CDH1) in sporadic and ulcerative colitis associated colorectal cancer. *Gut*, **2001**, 48, 367-71	19.2	103

153	Mutated epithelial cadherin is associated with increased tumorigenicity and loss of adhesion and of responsiveness to the motogenic trefoil factor 2 in colon carcinoma cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 2316-21	11.5	99
152	The independent expression of HLA and□2-microglobulin on human-mouse hybrids. *Somatic Cell Genetics*, **1976**, 2, 483-496		99
151	Detection of circulating tumour cells in peripheral blood with an automated scanning fluorescence microscope. *British Journal of Cancer*, **2008**, 99, 789-95	8.7	97
150	How many mutations in a cancer?. *American Journal of Pathology*, **2002**, 160, 755-8	5.8	95
149	Analysis of genetic and phenotypic heterogeneity in juvenile polyposis. *Gut*, **2000**, 46, 656-60	19.2	95
148	Mechanisms of inactivation of mismatch repair genes in human colorectal cancer cell lines: the predominant role of hMLH1. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 10296-301	11.5	95
147	Functional expression of HLA-DP genes transfected into mouse fibroblasts. *Nature*, **1985**, 313, 61-4	50.4	94
146	CDX1 is an important molecular mediator of Barrett's metaplasia. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 7565-70	11.5	93
145	People of the British Isles: preliminary analysis of genotypes and surnames in a UK-control population. *European Journal of Human Genetics*, **2012**, 20, 203-10	5.3	91
144	Genetic analysis with man-mouse somatic cell hybrids. Linkage between human lactate dehydrogenase B and peptidase B genes. *Nature*, **1970**, 227, 248-51	50.4	85
143	Isolation and N-terminal amino acid sequence of membrane-bound human HLA-A and HLA-B antigens. *Nature*, **1976**, 261, 200-5	50.4	83
142	Hypoxia and lineage specification of cell line-derived colorectal cancer stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 4382-7	11.5	81
141	An ancestral Ashkenazi haplotype at the HMPS/CRAC1 locus on 15q13-q14 is associated with hereditary mixed polyposis syndrome. *American Journal of Human Genetics*, **2003**, 72, 1261-7	11	80
140	Characterization and chromosomal assignment of a human cell surface antigen defined by the monoclonal antibody AUAI. *International Journal of Cancer*, **1986**, 38, 631-6	7.5	79
139	Analysis of chromosomal instability in human colorectal adenomas with two mutational hits at APC. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 16910-5	11.5	78
138	Somatic mutations in the Peutz-Jeghers (LKB1/STKII) gene in sporadic malignant melanomas. *Journal of Investigative Dermatology*, **1999**, 112, 509-11	4.3	77
137	Detection of human cancer in an animal model using radio-labelled tumour-associated monoclonal antibodies. *British Journal of Cancer*, **1982**, 46, 1-8	8.7	75
136	Gastrointestinal differentiation marker Cytokeratin 20 is regulated by homeobox gene CDX1. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1936-41	11.5	74

135	The peopling of Europe and the cautionary tale of Y chromosome lineage R-M269. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 884-92	4.4	73
134	5-Fluorouracil response in a large panel of colorectal cancer cell lines is associated with mismatch repair deficiency. *British Journal of Cancer*, **2010**, 103, 340-6	8.7	71
133	Nomenclature for factors of the HLA system, 1995. *Human Immunology*, **1995**, 43, 149-64	2.3	65
132	The HLA system and the analysis of multifactorial genetic disease. *Trends in Genetics*, **1995**, 11, 493-8	8.5	63
131	A comparison of the genetic pathways involved in the pathogenesis of three types of colorectal cancer. *Journal of Pathology*, **1998**, 184, 148-52	9.4	61
130	MHC antigens and cancer: implications for T-cell surveillance. *Current Opinion in Immunology*, **1992**, 4, 613-8	7.8	61
129	Defects in mismatch repair occur after APC mutations in the pathogenesis of sporadic colorectal tumours. *Human Mutation*, **1998**, 11, 114-20	4.7	58
128	Genetic instability is not a requirement for tumor development. *Cancer Research*, **2008**, 68, 3558-60; discussion 3560-1	10.1	58
127	Rapid isolation of human chromosome-specific DNA probes from a somatic cell hybrid. *Genomics*, **1990**, 7, 257-63	4.3	58
126	Loss of HLA class-I alleles, heavy chains and beta 2-microglobulin in colorectal cancer. *International Journal of Cancer*, **1992**, 51, 379-85	7.5	57
125	Mitochondrial DNA of human-mouse cell hybrids. *Nature*, **1971**, 234, 560-2	50.4	57
124	Loss of CDX1 expression in colorectal carcinoma: promoter methylation, mutation, and loss of heterozygosity analyses of 37 cell lines. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 574-9	11.5	56
123	On the increase of chromosome mutations under random mating. *Theoretical Population Biology*, **1976**, 9, 260-81	1.2	56
122	Cancer genetics: colorectal cancer as a model. *Journal of Human Genetics*, **2006**, 51, 391-396	4.3	54
121	The evolution of overdominance: natural selection and heterozygote advantage. *Nature*, **1961**, 190, 7-12	50.4	54
120	Rare genetic variants and the risk of cancer. *Current Opinion in Genetics and Development*, **2010**, 20, 262-7	4.9	52
119	Use of SSCP analysis to identify germline mutations in HNPCC families fulfilling the Amsterdam criteria. *Human Genetics*, **1997**, 99, 219-24	6.3	52
118	On the proportion of cancer stem cells in a tumour. *Journal of Theoretical Biology*, **2010**, 266, 708-11	2.3	51

117	HLA-A locus alleles identified by sequence specific PCR. *Lancet, The*, **1993**, 341, 121-2	40	49
116	The E-cadherin gene (CDH1) variants T340A and L599V in gastric and colorectal cancer patients in Korea. *Gut*, **2000**, 47, 262-7	19.2	48
115	An isolated beta 1 exon next to the DR alpha gene in the HLA-D region. *Immunogenetics*, **1986**, 23, 172-80	9.2	48
114	Transforming growth factor beta stimulation of colorectal cancer cell lines: type II receptor bypass and changes in adhesion molecule expression. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 3087-91	11.5	45
113	An immunohistological study of testicular germ cell tumours using two different monoclonal antibodies against placental alkaline phosphatase. *British Journal of Cancer*, **1984**, 49, 11-5	8.7	45
112	Separation of cancer cells from white blood cells by pinched flow fractionation. *Lab on A Chip*, **2015**, 15, 4598-606	7.2	43
111	Myofibroblasts are distinguished from activated skin fibroblasts by the expression of AOC3 and other associated markers. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E2162-71	11.5	43
110	Nomenclature for factors of the HLA system, 2002. *International Journal of Immunogenetics*, **2002**, 29, 463-515		43
109	Cell growth, global phosphotyrosine elevation, and c-Met phosphorylation through Src family kinases in colorectal cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2358-62	11.5	42
108	Relationship of centromeric heterochromatin to fluorescent banding patterns of metaphase chromosomes in the mouse. *Nature*, **1971**, 231, 503-6	50.4	41
107	An update to HLA nomenclature, 2010. *Bone Marrow Transplantation*, **2010**, 45, 846-8	4.4	40
106	Genotyping possible polymorphic variants of human mismatch repair genes in healthy Korean individuals and sporadic colorectal cancer patients. *Familial Cancer*, **2004**, 3, 129-37	3	39
105	Genetic basis of variation in adenoma multiplicity in ApcMin/+ Mom1S mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 2868-73	11.5	39
104	Direct and immune mediated antibody targeting of ERBB receptors in a colorectal cancer cell-line panel. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 21046-51	11.5	37
103	Monoclonal antibody assay of serum placental alkaline phosphatase in the monitoring of testicular tumours. *British Journal of Cancer*, **1985**, 51, 641-4	8.7	35
102	GENETICS OF □AND □AHUMAN LEUKOCYTE GROUPS*. *Annals of the New York Academy of Sciences*, **2006**, 129, 473-489	6.5	34
101	Familial adenomatous polyposis (FAP) and its gene, APC. *Cytogenetic and Genome Research*, **1999**, 86, 99-104	1.9	34
100	Genetics of the human face: Identification of large-effect single gene variants. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E676-E685	11.5	33

99	Allele loss in colorectal cancer at the Cowden disease/juvenile polyposis locus on 10q. *Cancer Genetics and Cytogenetics*, **1997**, 97, 64-9		33
98	Human intraspecific somatic cell hybrids: a genetic and karyotypic analysis of crosses between lymphocytes and D98/AH-2. *Somatic Cell Genetics*, **1975**, 1, 41-64		33
97	A high-frequency polymorphism in exon 6 of the CD45 tyrosine phosphatase gene (PTPRC) resulting in altered isoform expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 5997-6002	11.5	32
96	Polygenic inheritance, GWAS, polygenic risk scores, and the search for functional variants. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18924-18933	11.5	32
95	Stromal uptake and transmission of acid is a pathway for venting cancer cell-generated acid. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5344-53	11.5	31
94	Stem cell differentiation and lumen formation in colorectal cancer cell lines and primary tumors. *Cancer Research*, **2013**, 73, 5798-809	10.1	31
93	A rapid micro method for counting cells "in situ" using a fluorogenic alkaline phosphatase enzyme assay. *In Vitro Cellular & Developmental Biology*, **1989**, 25, 105-8		31
92	CpG island clones from a deletion encompassing the gene for adenomatous polyposis coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 10118-22	11.5	31
91	Myofibroblast activation in colorectal cancer lymph node metastases. *British Journal of Cancer*, **2013**, 108, 2106-15	8.7	30
90	Disease associations and altered immune function in CD45 138G variant carriers. *Human Molecular Genetics*, **2004**, 13, 2377-84	5.6	30
89	MYH biallelic mutation can inactivate the two genetic pathways of colorectal cancer by APC or MLH1 transversions. *Familial Cancer*, **2010**, 9, 589-94	3	29
88	GSTM1 and GSTT1 polymorphisms as modifiers of age at diagnosis of hereditary nonpolyposis colorectal cancer (HNPCC) in a homogeneous cohort of individuals carrying a single predisposing mutation. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2006**, 602, 175-81	3.3	28
87	HLA haplotype associations with disease. *Tissue Antigens*, **1979**, 13, 91-102		27
86	A pericentric inversion of chromosome six in a patient with Peutz-Jeghers' syndrome and the use of FISH to localise the breakpoints on a genetic map. *Human Genetics*, **1996**, 98, 125-8	6.3	26
85	Nomenclature for factors of the HLA system 1984. *Immunogenetics*, **1984**, 20, 593-601	3.2	26
84	Comprehensive assessment of variation at the transforming growth factor beta type 1 receptor locus and colorectal cancer predisposition. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7858-62	11.5	25
83	Mutations in the AXIN1 gene in advanced prostate cancer. *European Urology*, **2009**, 56, 486-94	10.2	25
82	CDX2 mutations do not account for juvenile polyposis or Peutz-Jeghers syndrome and occur infrequently in sporadic colorectal cancers. *British Journal of Cancer*, **2001**, 84, 1314-6	8.7	25

81	A sensitive micro-immunoassay using beta-galactosidase/anti-beta-galactosidase complexes. *Journal of Immunological Methods*, **1987**, 97, 19-27	2.5	25
80	Expression of a single-chain HLA class I molecule in a human cell line: presentation of exogenous peptide and processed antigen to cytotoxic T lymphocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 236-40	11.5	24
79	Humanised IgG1 antibody variants targeting membrane-bound carcinoembryonic antigen by antibody-dependent cellular cytotoxicity and phagocytosis. *British Journal of Cancer*, **2009**, 101, 1758-68	8.7	23
78	Microsatellite instability in benign skin lesions in hereditary non-polyposis colorectal cancer syndrome. *Journal of Investigative Dermatology*, **1999**, 113, 901-5	4.3	23
77	Targeted killing of colorectal cancer cell lines by a humanised IgG1 monoclonal antibody that binds to membrane-bound carcinoembryonic antigen. *British Journal of Cancer*, **2008**, 98, 1217-25	8.7	22
76	New vector for transfer of yeast artificial chromosomes to mammalian cells. *Somatic Cell and Molecular Genetics*, **1993**, 19, 161-9		22
75	HLA today. *Human Immunology*, **1986**, 17, 490-503	2.3	22
74	Effects of Maternal Age on the Incidence of Congenital Abnormalities in Mouse and Man. *Nature*, **1961**, 190, 1134-1135	50.4	21
73	Dsh homolog DVL3 mediates resistance to IGFIR inhibition by regulating IGF-RAS signaling. *Cancer Research*, **2014**, 74, 5866-77	10.1	20
72	Linkage disequilibrium and age of HLA region SNPs in relation to classic HLA gene alleles within Europe. *European Journal of Human Genetics*, **2010**, 18, 924-32	5.3	20
71	Characterization and mapping of microdissected genomic clones from the adenomatous polyposis coli (APC) region. *Genomics*, **1991**, 11, 247-51	4.3	20
70	HLA: what's in a name? A commentary on HLA nomenclature development over the years. *Tissue Antigens*, **1997**, 49, 293-6		19
69	Distribution of carcinoembryonic antigen and biologic behavior in colorectal carcinoma. *Diseases of the Colon and Rectum*, **1999**, 42, 640-8	3.1	19
68	Altered CD45 expression in C77G carriers influences immune function and outcome of hepatitis C infection. *Journal of Medical Genetics*, **2006**, 43, 678-84	5.8	18
67	Genetic characterization of human populations: from ABO to a genetic map of the British people. *Genetics*, **2015**, 199, 267-79	4	17
66	Introduction of a myc reporter tag to improve the quality of mutation detection using the protein truncation test. *Human Mutation*, **1997**, 9, 172-6	4.7	17
65	Cytostatic drug treatment causes seeding of gene promoter methylation. *European Journal of Cancer*, **2007**, 43, 947-54	7.5	17
64	The Irish DNA Atlas: Revealing Fine-Scale Population Structure and History within Ireland. *Scientific Reports*, **2017**, 7, 17199	4.9	15

63	Fine mapping of probes in the adenomatous polyposis coli region of chromosome 5 by in situ hybridization. *Genes Chromosomes and Cancer*, **1991**, 3, 382-9	5	15
62	A somatic cell hybrid panel for regional mapping of human chromosome 18. *Genomics*, **1992**, 14, 431-6	4.3	15
61	Public Understanding of Science: The BA, the Royal Society and COPUS. *Notes and Records of the Royal Society*, **2010**, 64,	0.4	14
60	T-cell immune responses to cancer--a new look. *Human Immunology*, **1991**, 30, 259-61	2.3	14
59	IMMUNOLOGY AND THE FETUS. *Lancet, The*, **1978**, 311, 326-327	40	14
58	Bristol Cancer Help Centre. *Lancet, The*, **1990**, 336, 1185-1188	40	13
57	Immune responses in advanced colorectal cancer following repeated intradermal vaccination with the anti-CEA murine monoclonal antibody, PR1A3: results of a phase I study. *International Journal of Colorectal Disease*, **2005**, 20, 403-14	3	12
56	Distribution and Quantity of Leukocyte Antigens in the Formed Elements of the Blood. *Transfusion*, **1966**, 6, 193-204	2.9	12
55	PCR-based detection of two MspI polymorphic sites at D18S8. *Nucleic Acids Research*, **1991**, 19, 6983	20.1	11
54	HIV testing on all pregnant women. *Lancet, The*, **1987**, 2, 1277	40	11
53	Replication error deficient and proficient colorectal cancer gene expression differences caused by 3'UTR polyT sequence deletions. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21058-63	11.5	10
52	DNA mismatch repair in lymphoblastoid cells from hereditary non-polyposis colorectal cancer (HNPCC) patients is normal under conditions of rapid cell division and increased mutational load. *Mutation Research DNA Repair*, **1997**, 383, 177-82		10
51	Geographical distribution and disease associations of the CD45 exon 6 138G variant. *Immunogenetics*, **2006**, 58, 235-9	3.2	10
50	Antibody targeting studies in a transgenic murine model of spontaneous colorectal tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 10256-60	11.5	10
49	Alkaline-mediated differential interaction (AMDI): a simple automatable single-nucleotide polymorphism assay. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 2694-7	11.5	10
48	The human chromosome content in human x rodent somatic cell hybrids analyzed by a screening technique using Alu PCR. *Genomics*, **1991**, 10, 186-92	4.3	10
47	Cyclin D1 rare variants in UK multiple adenoma and early-onset colorectal cancer patients. *Journal of Human Genetics*, **2011**, 56, 58-63	4.3	9
46	Role of rare variants in undetermined multiple adenomatous polyposis and early-onset colorectal cancer. *Journal of Human Genetics*, **2012**, 57, 709-716	4.3	9

45	RA Fisher, statistician and geneticist extraordinary: a personal view. *International Journal of Epidemiology*, **2003**, 32, 938-42; discussion 945-8	7.8	9
44	Carcino-embryonic antigen may function as a chemo-attractant in colorectal-carcinoma cell lines. *International Journal of Cancer*, **1999**, 82, 880-5	7.5	9
43	Enhancement of colorectal tumor targeting using a novel biparatopic monoclonal antibody against carcinoembryonic antigen in experimental radioimmunoguided surgery. *International Journal of Cancer*, **2002**, 97, 542-7	7.5	8
42	Detection of a 4-bp insertion (CACA) functional polymorphism at nucleotide 241 of the cellular adhesion regulatory molecule CMAR (formerly CAR). *Genomics*, **1994**, 19, 181-2	4.3	8
41	Growth factor requirements of human colorectal tumour cells: relations to cellular differentiation. *European Journal of Cancer & Clinical Oncology*, **1991**, 27, 1680-4		8
40	CD45 variant alleles: possibly increased frequency of a novel exon 4 CD45 polymorphism in HIV seropositive Ugandans. *Immunogenetics*, **2004**, 56, 107-10	3.2	7
39	Preclinical application of radioimmunoguided surgery using anti-carcinoembryonic antigen biparatopic antibody in the colon cancer. *European Surgical Research*, **2005**, 37, 36-44	1.1	7
38	High-throughput class I HLA genotyping using fluorescence resonance energy transfer (FRET) probes and sequence-specific primer-polymerase chain reaction (SSP-PCR). *Tissue Antigens*, **1999**, 54, 603-14		7
37	A new look at tumour immunology. *European Journal of Cancer*, **1992**, 28A, 1761-2	7.5	7
36	Ruggero Ceppellini: A Perspective on His Contributions to Genetics and Immunology. *Frontiers in Immunology*, **2019**, 10, 1280	8.4	6
35	PTPRC (CD45) variation and disease association studied using single nucleotide polymorphism tagging. *Tissue Antigens*, **2008**, 71, 458-63		6
34	Radioimmunodetection of Cancer. *European Journal of Cancer & Clinical Oncology*, **1982**, 18, 1221-3		6
33	Tumor burden and clonality in multiple intestinal neoplasia mouse/normal mouse aggregation chimeras. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 12553-8	11.5	5
32	A long-range restriction map of human chromosome 5q21-q23. *Genomics*, **1993**, 17, 15-24	4.3	5
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