

Bert Vogelstein

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414
papers

215,783
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441
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441
ext. papers

232,431
ext. citations

21.8
avg, IF

8.54
L-index

#	Paper	IF	Citations
414	A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity. <i>Analytical Biochemistry</i> , 1983 , 132, 6-13	3	20200
413	A genetic model for colorectal tumorigenesis. <i>Cell</i> , 1990 , 61, 759-67	54.6	9414
412	PD-1 Blockade in Tumors with Mismatch-Repair Deficiency. <i>New England Journal of Medicine</i> , 2015 , 372, 2509-20	57.3	5537
411	Genetic alterations during colorectal-tumor development. <i>New England Journal of Medicine</i> , 1988 , 319, 525-32	57.3	5400
410	Cancer genome landscapes. <i>Science</i> , 2013 , 339, 1546-58	32.2	5011
409	An integrated genomic analysis of human glioblastoma multiforme. <i>Science</i> , 2008 , 321, 1807-12	32.2	4430
408	IDH1 and IDH2 mutations in gliomas. <i>New England Journal of Medicine</i> , 2009 , 360, 765-73	57.3	4240
407	Lessons from hereditary colorectal cancer. <i>Cell</i> , 1996 , 87, 159-70	54.6	3859
406	Identification of c-MYC as a target of the APC pathway. <i>Science</i> , 1998 , 281, 1509-12	32.2	3601
405	Genetic instabilities in human cancers. <i>Nature</i> , 1998 , 396, 643-9	47.5	3427
404	Activation of beta-catenin-Tcf signaling in colon cancer by mutations in beta-catenin or APC. <i>Science</i> , 1997 , 275, 1787-90	32.2	3343
403	Core signaling pathways in human pancreatic cancers revealed by global genomic analyses. <i>Science</i> , 2008 , 321, 1801-6	32.2	3240
402	Mismatch repair deficiency predicts response of solid tumors to PD-1 blockade. <i>Science</i> , 2017 , 357, 409-413	51.3	3253
401	Cancer genes and the pathways they control. <i>Nature Medicine</i> , 2004 , 10, 789-99	49.4	3160
400	Constitutive transcriptional activation by a beta-catenin-Tcf complex in APC ^{-/-} colon carcinoma. <i>Science</i> , 1997 , 275, 1784-7	32.2	2835
399	The consensus coding sequences of human breast and colorectal cancers. <i>Science</i> , 2006 , 314, 268-74	32.2	2839
398	A mammalian cell cycle checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiectasia. <i>Cell</i> , 1992 , 71, 587-97	54.6	2770

397	The genomic landscapes of human breast and colorectal cancers. <i>Science</i> , 2007 , 318, 1108-13	32.2	2734
396	Detection of circulating tumor DNA in early- and late-stage human malignancies. <i>Science Translational Medicine</i> , 2014 , 6, 224ra24	16.9	2681
395	High frequency of mutations of the PIK3CA gene in human cancers. <i>Science</i> , 2004 , 304, 554	32.2	2630
394	Mutations in the p53 gene occur in diverse human tumour types. <i>Nature</i> , 1989 , 342, 705-8	47.5	2425
393	Clues to the pathogenesis of familial colorectal cancer. <i>Science</i> , 1993 , 260, 812-6	32.2	2354
392	A model for p53-induced apoptosis. <i>Nature</i> , 1997 , 389, 300-5	47.5	2191
391	Mutations of a mutS homolog in hereditary nonpolyposis colorectal cancer. <i>Cell</i> , 1993 , 75, 1215-25	54.6	1962
390	Hypomethylation distinguishes genes of some human cancers from their normal counterparts. <i>Nature</i> , 1983 , 301, 89-92	47.5	1892
389	Distant metastasis occurs late during the genetic evolution of pancreatic cancer. <i>Nature</i> , 2010 , 467, 1114-7	47.5	1851
388	Definition of a consensus binding site for p53. <i>Nature Genetics</i> , 1992 , 1, 45-9	35.3	1783
387	Circulating mutant DNA to assess tumor dynamics. <i>Nature Medicine</i> , 2008 , 14, 985-90	49.4	1704
386	Mutation of a mutL homolog in hereditary colon cancer. <i>Science</i> , 1994 , 263, 1625-9	32.2	1672
385	Mutations of chromosome 5q21 genes in FAP and colorectal cancer patients. <i>Science</i> , 1991 , 253, 665-9	32.2	1600
384	Prevalence of ras gene mutations in human colorectal cancers. <i>Nature</i> , 1987 , 327, 293-7	47.5	1593
383	Genes expressed in human tumor endothelium. <i>Science</i> , 2000 , 289, 1197-202	32.2	1579
382	APC mutations occur early during colorectal tumorigenesis. <i>Nature</i> , 1992 , 359, 235-7	47.5	1570
381	The multistep nature of cancer. <i>Trends in Genetics</i> , 1993 , 9, 138-41	8.2	1433
380	Mutations of two PMS homologues in hereditary nonpolyposis colon cancer. <i>Nature</i> , 1994 , 371, 75-80	47.5	1380

379	Exome sequencing of head and neck squamous cell carcinoma reveals inactivating mutations in NOTCH1. <i>Science</i> , 2011 , 333, 1154-7	32.2	1328
378	Oncoprotein MDM2 conceals the activation domain of tumour suppressor p53. <i>Nature</i> , 1993 , 362, 857-60	47.5	1282
377	The molecular evolution of acquired resistance to targeted EGFR blockade in colorectal cancers. <i>Nature</i> , 2012 , 486, 537-40	47.5	1282
376	Mutations of mitotic checkpoint genes in human cancers. <i>Nature</i> , 1998 , 392, 300-3	47.5	1257
375	DAXX/ATRX, MEN1, and mTOR pathway genes are frequently altered in pancreatic neuroendocrine tumors. <i>Science</i> , 2011 , 331, 1199-203	32.2	1248
374	Gene expression profiles in normal and cancer cells. <i>Science</i> , 1997 , 276, 1268-72	32.2	1218
373	Detection and localization of surgically resectable cancers with a multi-analyte blood test. <i>Science</i> , 2018 , 359, 926-930	32.2	1187
372	Cancer etiology. Variation in cancer risk among tissues can be explained by the number of stem cell divisions. <i>Science</i> , 2015 , 347, 78-81	32.2	1157
371	14-3-3sigma is a p53-regulated inhibitor of G2/M progression. <i>Molecular Cell</i> , 1997 , 1, 3-11	17	1070
370	PUMA induces the rapid apoptosis of colorectal cancer cells. <i>Molecular Cell</i> , 2001 , 7, 673-82	17	1043
369	DNMT1 and DNMT3b cooperate to silence genes in human cancer cells. <i>Nature</i> , 2002 , 416, 552-6	47.5	1007
368	PPARdelta is an APC-regulated target of nonsteroidal anti-inflammatory drugs. <i>Cell</i> , 1999 , 99, 335-45	54.6	954
367	Tumorigenesis: RAF/RAS oncogenes and mismatch-repair status. <i>Nature</i> , 2002 , 418, 934	47.5	954
366	TERT promoter mutations occur frequently in gliomas and a subset of tumors derived from cells with low rates of self-renewal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6021-6	11.2	953
365	Hypermutability and mismatch repair deficiency in RER+ tumor cells. <i>Cell</i> , 1993 , 75, 1227-36	54.6	934
364	The molecular basis of Turcot syndrome. <i>New England Journal of Medicine</i> , 1995 , 332, 839-47	57.3	922
363	Characterization of the yeast transcriptome. <i>Cell</i> , 1997 , 88, 243-51	54.6	928
362	Frequent mutations of chromatin remodeling gene ARID1A in ovarian clear cell carcinoma. <i>Science</i> , 2010 , 330, 228-31	32.2	915

361	Human Smad3 and Smad4 are sequence-specific transcription activators. <i>Molecular Cell</i> , 1998 , 1, 611-7	17	890
360	The vigorous immune microenvironment of microsatellite instable colon cancer is balanced by multiple counter-inhibitory checkpoints. <i>Cancer Discovery</i> , 2015 , 5, 43-51	23.7	882
359	Detection and quantification of mutations in the plasma of patients with colorectal tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16368-73	11.2	855
358	Interleukin-2 production by tumor cells bypasses T helper function in the generation of an antitumor response. <i>Cell</i> , 1990 , 60, 397-403	54.6	841
357	14-3-3Sigma is required to prevent mitotic catastrophe after DNA damage. <i>Nature</i> , 1999 , 401, 616-20	47.5	812
356	Detection and quantification of rare mutations with massively parallel sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9530-5	11.2	807
355	The colorectal microRNAome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3687-92	11.2	795
354	Disruption of p53 in human cancer cells alters the responses to therapeutic agents. <i>Journal of Clinical Investigation</i> , 1999 , 104, 263-9	15.4	782
353	Role of BAX in the apoptotic response to anticancer agents. <i>Science</i> , 2000 , 290, 989-92	32.2	766
352	Genetic mapping of a locus predisposing to human colorectal cancer. <i>Science</i> , 1993 , 260, 810-2	32.2	773
351	Mutant PIK3CA promotes cell growth and invasion of human cancer cells. <i>Cancer Cell</i> , 2005 , 7, 561-73	23.1	725
350	Somatic mutations of the mitochondrial genome in human colorectal tumours. <i>Nature Genetics</i> , 1998 , 20, 291-3	35.3	717
349	Purification of DNA from formaldehyde fixed and paraffin embedded human tissue. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 130, 118-26	3.3	709
348	Altered telomeres in tumors with ATRX and DAXX mutations. <i>Science</i> , 2011 , 333, 425	32.2	704
347	Mismatch repair gene defects in sporadic colorectal cancers with microsatellite instability. <i>Nature Genetics</i> , 1995 , 9, 48-55	35.3	702
346	Scrambled exons. <i>Cell</i> , 1991 , 64, 607-13	54.6	673
345	Uncoupling of S phase and mitosis induced by anticancer agents in cells lacking p21. <i>Nature</i> , 1996 , 381, 713-6	47.5	674
344	Glucose deprivation contributes to the development of KRAS pathway mutations in tumor cells. <i>Science</i> , 2009 , 325, 1555-9	32.2	681

343	Circulating tumor DNA analysis detects minimal residual disease and predicts recurrence in patients with stage II colon cancer. <i>Science Translational Medicine</i> , 2016 , 8, 346ra92	16.9	670
342	A protocol for rapid generation of recombinant adenoviruses using the AdEasy system. <i>Nature Protocols</i> , 2007 , 2, 1236-47	18.1	639
341	Analysis of human transcriptomes. <i>Nature Genetics</i> , 1999 , 23, 387-8	35.3	633
340	Transforming single DNA molecules into fluorescent magnetic particles for detection and enumeration of genetic variations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8817-22	11.2	631
339	A fixed site of DNA replication in eucaryotic cells. <i>Cell</i> , 1980 , 19, 527-36	54.6	625
338	Allelic loss of chromosome 18q and prognosis in colorectal cancer. <i>New England Journal of Medicine</i> , 1994 , 331, 213-21	57.3	625
337	Comparative lesion sequencing provides insights into tumor evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4283-8	11.2	612
336	Molecular diagnosis of familial adenomatous polyposis. <i>New England Journal of Medicine</i> , 1993 , 329, 1982-7	57.3	606
335	Exomic sequencing identifies PALB2 as a pancreatic cancer susceptibility gene. <i>Science</i> , 2009 , 324, 217	32.2	604
334	Recurrent GNAS mutations define an unexpected pathway for pancreatic cyst development. <i>Science Translational Medicine</i> , 2011 , 3, 92ra66	16.9	593
333	The genetic landscape of the childhood cancer medulloblastoma. <i>Science</i> , 2011 , 331, 435-9	32.2	574
332	Clonal expansion of p53 mutant cells is associated with brain tumour progression. <i>Nature</i> , 1992 , 355, 846-7	47.5	574
331	Allelic variation in human gene expression. <i>Science</i> , 2002 , 297, 1143	32.2	564
330	Supercoiled loops and eucaryotic DNA replicaton. <i>Cell</i> , 1980 , 22, 79-85	54.6	563
329	Familial colorectal cancer in Ashkenazim due to a hypermutable tract in APC. <i>Nature Genetics</i> , 1997 , 17, 79-83	35.3	563
328	Accumulation of driver and passenger mutations during tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18545-50	11.2	560
327	A phosphatase associated with metastasis of colorectal cancer. <i>Science</i> , 2001 , 294, 1343-6	32.2	538
326	Stem cell divisions, somatic mutations, cancer etiology, and cancer prevention. <i>Science</i> , 2017 , 355, 1330-1334	33.4	542

325	Using the transcriptome to annotate the genome. <i>Nature Biotechnology</i> , 2002 , 20, 508-12	43.2	527
324	Evaluation of candidate tumour suppressor genes on chromosome 18 in colorectal cancers. <i>Nature Genetics</i> , 1996 , 13, 343-6	35.3	524
323	Germline mutations of the gene encoding bone morphogenetic protein receptor 1A in juvenile polyposis. <i>Nature Genetics</i> , 2001 , 28, 184-7	35.3	524
322	Cancer risk associated with germline DNA mismatch repair gene mutations. <i>Human Molecular Genetics</i> , 1997 , 6, 105-10	5.5	492
321	PUMA mediates the apoptotic response to p53 in colorectal cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1931-6	11.2	487
320	Whole-exome sequencing of neoplastic cysts of the pancreas reveals recurrent mutations in components of ubiquitin-dependent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 21188-93	11.2	482
319	Inactivation of hCDC4 can cause chromosomal instability. <i>Nature</i> , 2004 , 428, 77-81	47.5	467
318	Exome sequencing identifies frequent inactivating mutations in BAP1, ARID1A and PBRM1 in intrahepatic cholangiocarcinomas. <i>Nature Genetics</i> , 2013 , 45, 1470-1473	35.3	467
317	Combinatorial chemoprevention of intestinal neoplasia. <i>Nature Medicine</i> , 2000 , 6, 1024-8	49.4	455
316	Colorectal cancer: mutations in a signalling pathway. <i>Nature</i> , 2005 , 436, 792	47.5	450
315	Detection of chromosomal alterations in the circulation of cancer patients with whole-genome sequencing. <i>Science Translational Medicine</i> , 2012 , 4, 162ra154	16.9	454
314	Mutations of GTBP in genetically unstable cells. <i>Science</i> , 1995 , 268, 1915-7	32.2	442
313	Frequent ATRX, CIC, FUBP1 and IDH1 mutations refine the classification of malignant gliomas. <i>Oncotarget</i> , 2012 , 3, 709-22	3.2	446
312	Contribution of bone marrow-derived endothelial cells to human tumor vasculature. <i>Nature Medicine</i> , 2005 , 11, 261-2	49.4	439
311	The antisense transcriptomes of human cells. <i>Science</i> , 2008 , 322, 1855-7	32.2	434
310	Mutational analysis of the tyrosine phosphatome in colorectal cancers. <i>Science</i> , 2004 , 304, 1164-6	32.2	437
309	Clonal origin of bladder cancer. <i>New England Journal of Medicine</i> , 1992 , 326, 737-40	57.3	433
308	The structure of a human p110alpha/p85alpha complex elucidates the effects of oncogenic PI3Kalpha mutations. <i>Science</i> , 2007 , 318, 1744-8	32.2	427

307	Hypomethylation of ras oncogenes in primary human cancers. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 111, 47-54	3.3	420
306	Eradication of metastatic mouse cancers resistant to immune checkpoint blockade by suppression of myeloid-derived cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11774-9	11.2	423
305	Heteroplasmic mitochondrial DNA mutations in normal and tumour cells. <i>Nature</i> , 2010 , 464, 610-4	47.5	415
304	The role of chromosomal instability in tumor initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16226-31	11.2	398
303	Activating mutations of the noonan syndrome-associated SHP2/PTPN11 gene in human solid tumors and adult acute myelogenous leukemia. <i>Cancer Research</i> , 2004 , 64, 8816-20	9.6	396
302	Mutations in CIC and FUBP1 contribute to human oligodendroglioma. <i>Science</i> , 2011 , 333, 1453-5	32.2	400
301	Evolutionary dynamics of cancer in response to targeted combination therapy. <i>ELife</i> , 2013 , 2, e00747	8.6	399
300	Microbiota organization is a distinct feature of proximal colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18321-6	11.2	397
299	Development of personalized tumor biomarkers using massively parallel sequencing. <i>Science Translational Medicine</i> , 2010 , 2, 20ra14	16.9	397
298	Mutational analysis of the tyrosine kinome in colorectal cancers. <i>Science</i> , 2003 , 300, 949	32.2	390
297	Landscaping the cancer terrain. <i>Science</i> , 1998 , 280, 1036-7	32.2	391
296	The significance of unstable chromosomes in colorectal cancer. <i>Nature Reviews Cancer</i> , 2003 , 3, 695-701	30.3	382
295	Loss of ATRX, genome instability, and an altered DNA damage response are hallmarks of the alternative lengthening of telomeres pathway. <i>PLoS Genetics</i> , 2012 , 8, e1002772	5.7	376
294	Somatic deletion and duplication of genes on chromosome 11 in Wilms tumours. <i>Nature</i> , 1984 , 309, 176-8	47.5	378
293	CpG methylation is maintained in human cancer cells lacking DNMT1. <i>Nature</i> , 2000 , 404, 1003-7	47.5	373
292	Wild-type but not mutant p53 immunopurified proteins bind to sequences adjacent to the SV40 origin of replication. <i>Cell</i> , 1991 , 65, 1083-91	54.6	369
291	ATM mutations in patients with hereditary pancreatic cancer. <i>Cancer Discovery</i> , 2012 , 2, 41-6	23.7	358
290	BEAMing: single-molecule PCR on microparticles in water-in-oil emulsions. <i>Nature Methods</i> , 2006 , 3, 551-9	21	352

289	The GLI gene is a member of the Kruppel family of zinc finger proteins. <i>Nature</i> , 1988 , 332, 371-4	47.5	346
288	The ovalbumin gene is associated with the nuclear matrix of chicken oviduct cells. <i>Cell</i> , 1982 , 28, 99-106	54.6	341
287	Ferredoxin reductase affects p53-dependent, 5-fluorouracil-induced apoptosis in colorectal cancer cells. <i>Nature Medicine</i> , 2001 , 7, 1111-7	49.4	343
286	Profiling the effects of isocitrate dehydrogenase 1 and 2 mutations on the cellular metabolome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3270-5	11.2	340
285	Histone modifications and silencing prior to DNA methylation of a tumor suppressor gene. <i>Cancer Cell</i> , 2003 , 3, 89-95	23.1	339
284	Cancer-specific high-throughput annotation of somatic mutations: computational prediction of driver missense mutations. <i>Cancer Research</i> , 2009 , 69, 6660-7	9.6	338
283	Inactivating mutations of the chromatin remodeling gene ARID2 in hepatocellular carcinoma. <i>Nature Genetics</i> , 2011 , 43, 828-9	35.3	338
282	Mad-related genes in the human. <i>Nature Genetics</i> , 1996 , 13, 347-9	35.3	338
281	Securin is required for chromosomal stability in human cells. <i>Cell</i> , 2001 , 105, 445-57	54.6	338
280	Epitope landscape in breast and colorectal cancer. <i>Cancer Research</i> , 2008 , 68, 889-92	9.6	331
279	Genetic instability occurs in the majority of young patients with colorectal cancer. <i>Nature Medicine</i> , 1995 , 1, 348-52	49.4	324
278	A spatial model predicts that dispersal and cell turnover limit intratumour heterogeneity. <i>Nature</i> , 2015 , 525, 261-4	47.5	321
277	Cell-cycle arrest versus cell death in cancer therapy. <i>Nature Medicine</i> , 1997 , 3, 1034-6	49.4	319
276	Chromatid cohesion defects may underlie chromosome instability in human colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3443-8	11.2	317
275	Loss of genes on the short arm of chromosome 11 in bladder cancer. <i>Nature</i> , 1985 , 318, 377-80	47.5	309
274	Integrated genomic analyses identify ARID1A and ARID1B alterations in the childhood cancer neuroblastoma. <i>Nature Genetics</i> , 2013 , 45, 12-7	35.3	300
273	Comparative genomic analysis of esophageal adenocarcinoma and squamous cell carcinoma. <i>Cancer Discovery</i> , 2012 , 2, 899-905	23.7	297
272	Cancer-Associated Mutations in Endometriosis without Cancer. <i>New England Journal of Medicine</i> , 2017 , 376, 1835-1848	57.3	295

271	Half or more of the somatic mutations in cancers of self-renewing tissues originate prior to tumor initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1999-2004	11.2	292
270	Combined circulating tumor DNA and protein biomarker-based liquid biopsy for the earlier detection of pancreatic cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10202-10207	11.2	289
269	A combination of molecular markers and clinical features improve the classification of pancreatic cysts. <i>Gastroenterology</i> , 2015 , 149, 1501-10	7.9	287
268	Association of the autoimmune disease scleroderma with an immunologic response to cancer. <i>Science</i> , 2014 , 343, 152-7	32.2	280
267	Sensitive digital quantification of DNA methylation in clinical samples. <i>Nature Biotechnology</i> , 2009 , 27, 858-63	43.2	274
266	Genetic progression and the waiting time to cancer. <i>PLoS Computational Biology</i> , 2007 , 3, e225	4.8	275
265	SMAD4 gene mutations are associated with poor prognosis in pancreatic cancer. <i>Clinical Cancer Research</i> , 2009 , 15, 4674-9	12.3	271
264	Detection of APC mutations in fecal DNA from patients with colorectal tumors. <i>New England Journal of Medicine</i> , 2002 , 346, 311-20	57.3	268
263	Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas. <i>Science Translational Medicine</i> , 2015 , 7, 293ra104	16.9	259
262	Founding mutations and Alu-mediated recombination in hereditary colon cancer. <i>Nature Medicine</i> , 1995 , 1, 1203-6	49.4	255
261	Somatic mutations of EGFR in colorectal cancers and glioblastomas. <i>New England Journal of Medicine</i> , 2004 , 351, 2883	57.3	253
260	Only three driver gene mutations are required for the development of lung and colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 118-23	11.2	243
259	A panel of isogenic human cancer cells suggests a therapeutic approach for cancers with inactivated p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3964-9	11.2	235
258	Conversion of diploidy to haploidy. <i>Nature</i> , 2000 , 403, 723-4	47.5	231
257	Differentiation of leukemia cells to polymorphonuclear leukocytes in patients with acute nonlymphocytic leukemia. <i>New England Journal of Medicine</i> , 1986 , 315, 15-24	57.3	234
256	Somatic mutations in the chromatin remodeling gene ARID1A occur in several tumor types. <i>Human Mutation</i> , 2012 , 33, 100-3	4.6	230
255	Integrated analysis of homozygous deletions, focal amplifications, and sequence alterations in breast and colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 16224-9	11.2	230
254	Serum macrophage inhibitory cytokine 1 as a marker of pancreatic and other periampullary cancers. <i>Clinical Cancer Research</i> , 2004 , 10, 2386-92	12.3	219

253	Detection of tumor-derived DNA in cerebrospinal fluid of patients with primary tumors of the brain and spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9704-9	11.2	219
252	Limited heterogeneity of known driver gene mutations among the metastases of individual patients with pancreatic cancer. <i>Nature Genetics</i> , 2017 , 49, 358-366	35.3	220
251	Small changes in expression affect predisposition to tumorigenesis. <i>Nature Genetics</i> , 2002 , 30, 25-6	35.3	216
250	Use of isogenic human cancer cells for high-throughput screening and drug discovery. <i>Nature Biotechnology</i> , 2001 , 19, 940-5	43.2	219
249	BEAMing up for detection and quantification of rare sequence variants. <i>Nature Methods</i> , 2006 , 3, 95-7	21	217
248	A frequent kinase domain mutation that changes the interaction between PI3Kalpha and the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16996-7001	11.2	214
247	Characterization of human FAST-1, a TGF beta and activin signal transducer. <i>Molecular Cell</i> , 1998 , 2, 121-7		212
246	Genetic alterations in the adenoma-carcinoma sequence. <i>Cancer</i> , 1992 , 70, 1727-1731	6.2	210
245	Evaluation of DNA from the Papanicolaou test to detect ovarian and endometrial cancers. <i>Science Translational Medicine</i> , 2013 , 5, 167ra4	16.9	209
244	Bacteriolytic therapy can generate a potent immune response against experimental tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15172-7	11.2	202
243	Whole Genome Sequencing Defines the Genetic Heterogeneity of Familial Pancreatic Cancer. <i>Cancer Discovery</i> , 2016 , 6, 166-75	23.7	204
242	Intratumoral injection of Clostridium novyi-NT spores induces antitumor responses. <i>Science Translational Medicine</i> , 2014 , 6, 249ra111	16.9	200
241	The DCC gene: structural analysis and mutations in colorectal carcinomas. <i>Genomics</i> , 1994 , 19, 525-31	4.2	198
240	The Path to Cancer --Three Strikes and You're Out. <i>New England Journal of Medicine</i> , 2015 , 373, 1895-8	57.3	194
239	Digital karyotyping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16156-61	11.2	190
238	Evaluating the evaluation of cancer driver genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14330-14335	11.2	189
237	X-linked inhibitor of apoptosis protein (XIAP) is a nonredundant modulator of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-mediated apoptosis in human cancer cells. <i>Cancer Research</i> , 2004 , 64, 3006-8	9.6	186
236	Analysing uncharted transcriptomes with SAGE. <i>Trends in Genetics</i> , 2000 , 16, 423-5	8.2	188

235	Characterization of MAD2B and other mitotic spindle checkpoint genes. <i>Genomics</i> , 1999 , 58, 181-7	4.2	185
234	Somatic mutations of SUZ12 in malignant peripheral nerve sheath tumors. <i>Nature Genetics</i> , 2014 , 46, 1170-2	35.3	183
233	Whole genome PCR: application to the identification of sequences bound by gene regulatory proteins. <i>Nucleic Acids Research</i> , 1989 , 17, 3645-53	19.4	180
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