Kenneth W Kinzler

List of Publications by Citations

134	67,971	76	146
papers	citations	h-index	g-index
146	77,396	20.2	7.21
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
134	Cancer genome landscapes. *Science*, **2013**, 339, 1546-58	33.3	5058
133	An integrated genomic analysis of human glioblastoma multiforme. *Science*, **2008**, 321, 1807-12	33.3	4419
132	IDH1 and IDH2 mutations in gliomas. *New England Journal of Medicine*, **2009**, 360, 765-73	59.2	4220
131	Identification of c-MYC as a target of the APC pathway. *Science*, **1998**, 281, 1509-12	33.3	3635
130	Genetic instabilities in human cancers. *Nature*, **1998**, 396, 643-9	50.4	3423
129	Activation of beta-catenin-Tcf signaling in colon cancer by mutations in beta-catenin or APC. *Science*, **1997**, 275, 1787-90	33.3	3363
128	Core signaling pathways in human pancreatic cancers revealed by global genomic analyses. *Science*, **2008**, 321, 1801-6	33.3	3223
127	Detection of circulating tumor DNA in early- and late-stage human malignancies. *Science Translational Medicine*, **2014**, 6, 224ra24	17.5	2741
126	The genomic landscapes of human breast and colorectal cancers. *Science*, **2007**, 318, 1108-13	33.3	2717
125	Distant metastasis occurs late during the genetic evolution of pancreatic cancer. *Nature*, **2010**, 467, 1114-7	50.4	1834
124	Definition of a consensus binding site for p53. *Nature Genetics*, **1992**, 1, 45-9	36.3	1782
123	Circulating mutant DNA to assess tumor dynamics. *Nature Medicine*, **2008**, 14, 985-90	50.5	1718
122	Exome sequencing of head and neck squamous cell carcinoma reveals inactivating mutations in NOTCH1. *Science*, **2011**, 333, 1154-7	33.3	1331
121	The molecular evolution of acquired resistance to targeted EGFR blockade in colorectal cancers. *Nature*, **2012**, 486, 537-40	50.4	1272
120	Mutations of mitotic checkpoint genes in human cancers. *Nature*, **1998**, 392, 300-3	50.4	1259
119	DAXX/ATRX, MEN1, and mTOR pathway genes are frequently altered in pancreatic neuroendocrine tumors. *Science*, **2011**, 331, 1199-203	33.3	1252
118	Detection and localization of surgically resectable cancers with a multi-analyte blood test. *Science*, **2018**, 359, 926-930	33.3	1204

117	The molecular basis of Turcot Ƭs syndrome. *New England Journal of Medicine*, **1995**, 332, 839-47	59.2	923
116	Frequent mutations of chromatin remodeling gene ARID1A in ovarian clear cell carcinoma. *Science*, **2010**, 330, 228-31	33.3	915
115	The vigorous immune microenvironment of microsatellite instable colon cancer is balanced by multiple counter-inhibitory checkpoints. *Cancer Discovery*, **2015**, 5, 43-51	24.4	890
114	Detection and quantification of mutations in the plasma of patients with colorectal tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16368-73	11.5	858
113	Detection and quantification of rare mutations with massively parallel sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9530-5	11.5	817
112	14-3-3Sigma is required to prevent mitotic catastrophe after DNA damage. *Nature*, **1999**, 401, 616-20	50.4	804
111	Role of BAX in the apoptotic response to anticancer agents. *Science*, **2000**, 290, 989-92	33.3	767
110	Altered telomeres in tumors with ATRX and DAXX mutations. *Science*, **2011**, 333, 425	33.3	717
109	Circulating tumor DNA analysis detects minimal residual disease and predicts recurrence in patients with stage II colon cancer. *Science Translational Medicine*, **2016**, 8, 346ra92	17.5	688
108	Glucose deprivation contributes to the development of KRAS pathway mutations in tumor cells. *Science*, **2009**, 325, 1555-9	33.3	680
107	Transforming single DNA molecules into fluorescent magnetic particles for detection and enumeration of genetic variations. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 8817-22	11.5	637
106	Comparative lesion sequencing provides insights into tumor evolution. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4283-8	11.5	616
105	The genetic landscape of the childhood cancer medulloblastoma. *Science*, **2011**, 331, 435-9	33.3	576
104	Accumulation of driver and passenger mutations during tumor progression. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18545-50	11.5	574
103	Allelic variation in human gene expression. *Science*, **2002**, 297, 1143	33.3	567
102	A phosphatase associated with metastasis of colorectal cancer. *Science*, **2001**, 294, 1343-6	33.3	539
101	Evaluation of candidate tumour suppressor genes on chromosome 18 in colorectal cancers. *Nature Genetics*, **1996**, 13, 343-6	36.3	524
100	Whole-exome sequencing of neoplastic cysts of the pancreas reveals recurrent mutations in components of ubiquitin-dependent pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 21188-93	11.5	484

99	Eradication of metastatic mouse cancers resistant to immune checkpoint blockade by suppression of myeloid-derived cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11774-9	11.5	426
98	Microbiota organization is a distinct feature of proximal colorectal cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18321-6	11.5	405
97	The GLI gene is a member of the Kruppel family of zinc finger proteins. *Nature*, **1988**, 332, 371-4	50.4	350
96	Ferredoxin reductase affects p53-dependent, 5-fluorouracil-induced apoptosis in colorectal cancer cells. *Nature Medicine*, **2001**, 7, 1111-7	50.5	345
95	Cancer-specific high-throughput annotation of somatic mutations: computational prediction of driver missense mutations. *Cancer Research*, **2009**, 69, 6660-7	10.1	344
94	Cancer-Associated Mutations in Endometriosis without Cancer. *New England Journal of Medicine*, **2017**, 376, 1835-1848	59.2	310
93	Combined circulating tumor DNA and protein biomarker-based liquid biopsy for the earlier detection of pancreatic cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10202-10207	11.5	303
92	Comparative genomic analysis of esophageal adenocarcinoma and squamous cell carcinoma. *Cancer Discovery*, **2012**, 2, 899-905	24.4	301
91	A combination of molecular markers and clinical features improve the classification of pancreatic cysts. *Gastroenterology*, **2015**, 149, 1501-10	13.3	286
90	Association of the autoimmune disease scleroderma with an immunologic response to cancer. *Science*, **2014**, 343, 152-7	33.3	278
89	Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas. *Science Translational Medicine*, **2015**, 7, 293ra104	17.5	265
88	Somatic mutations in the chromatin remodeling gene ARID1A occur in several tumor types. *Human Mutation*, **2012**, 33, 100-3	4.7	230
87	Conversion of diploidy to haploidy. *Nature*, **2000**, 403, 723-4	50.4	230
86	Detection of tumor-derived DNA in cerebrospinal fluid of patients with primary tumors of the brain and spinal cord. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9704-9	11.5	229
85	Limited heterogeneity of known driver gene mutations among the metastases of individual patients with pancreatic cancer. *Nature Genetics*, **2017**, 49, 358-366	36.3	228
84	Expression of the APC tumor suppressor protein in oligodendroglia. *Glia*, **1996**, 17, 169-74	9	213
83	Evaluation of DNA from the Papanicolaou test to detect ovarian and endometrial cancers. *Science Translational Medicine*, **2013**, 5, 167ra4	17.5	208
82	Whole Genome Sequencing Defines the Genetic Heterogeneity of Familial Pancreatic Cancer. *Cancer Discovery*, **2016**, 6, 166-75	24.4	206

81	Intratumoral injection of Clostridium novyi-NT spores induces antitumor responses. *Science Translational Medicine*, **2014**, 6, 249ra111	17.5	202
80	Evaluating the evaluation of cancer driver genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14330-14335	11.5	197
79	The Path to Cancer --Three Strikes and You're Out. *New England Journal of Medicine*, **2015**, 373, 1895-8	59.2	196
78	Somatic mutations of SUZ12 in malignant peripheral nerve sheath tumors. *Nature Genetics*, **2014**, 46, 1170-2	36.3	186
77	Mutational signature of aristolochic acid exposure as revealed by whole-exome sequencing. *Science Translational Medicine*, **2013**, 5, 197ra102	17.5	178
76	Circulating Tumor DNA Analyses as Markers of Recurrence Risk and Benefit of Adjuvant Therapy for Stage III Colon Cancer. *JAMA Oncology*, **2019**, 5, 1710-1717	13.4	177
75	TERT promoter mutations occur early in urothelial neoplasia and are biomarkers of early disease and disease recurrence in urine. *Cancer Research*, **2013**, 73, 7162-7	10.1	173
74	The early detection of pancreatic cancer: what will it take to diagnose and treat curable pancreatic neoplasia?. *Cancer Research*, **2014**, 74, 3381-9	10.1	162
73	Whole-Exome Sequencing Analyses of Inflammatory Bowel Disease-Associated Colorectal Cancers. *Gastroenterology*, **2016**, 150, 931-43	13.3	156
72	Feasibility of blood testing combined with PET-CT to screen for cancer and guide intervention. *Science*, **2020**, 369,	33.3	149
71	Minimal functional driver gene heterogeneity among untreated metastases. *Science*, **2018**, 361, 1033-1037	33.3	147
70	Serial circulating tumour DNA analysis during multimodality treatment of locally advanced rectal cancer: a prospective biomarker study. *Gut*, **2019**, 68, 663-671	19.2	138
69	Clinicopathological correlates of activating GNAS mutations in intraductal papillary mucinous neoplasm (IPMN) of the pancreas. *Annals of Surgical Oncology*, **2013**, 20, 3802-8	3.1	127
68	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. *Nature Communications*, **2016**, 7, 11971	17.4	125
67	Serial assessment of human tumor burdens in mice by the analysis of circulating DNA. *Cancer Research*, **2007**, 67, 9364-70	10.1	124
66	Genome-wide quantification of rare somatic mutations in normal human tissues using massively parallel sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9846-51	11.5	113
65	Evaluation of liquid from the Papanicolaou test and other liquid biopsies for the detection of endometrial and ovarian cancers. *Science Translational Medicine*, **2018**, 10,	17.5	110
64	Applications of liquid biopsies for cancer. *Science Translational Medicine*, **2019**, 11,	17.5	97

63	Enrichment and Expansion with Nanoscale Artificial Antigen Presenting Cells for Adoptive Immunotherapy. *ACS Nano*, **2015**, 9, 6861-71	16.7	89
62	Prognostic Potential of Circulating Tumor DNA Measurement in Postoperative Surveillance of Nonmetastatic Colorectal Cancer. *JAMA Oncology*, **2019**, 5, 1118-1123	13.4	85
61	Exomic analysis of myxoid liposarcomas, synovial sarcomas, and osteosarcomas. *Genes Chromosomes and Cancer*, **2014**, 53, 15-24	5	82
60	Design and analysis issues in genome-wide somatic mutation studies of cancer. *Genomics*, **2009**, 93, 17-21	4.3	75
59	An analysis of genetic heterogeneity in untreated cancers. *Nature Reviews Cancer*, **2019**, 19, 639-650	31.3	71
58	A multimodality test to guide the management of patients with a pancreatic cyst. *Science Translational Medicine*, **2019**, 11,	17.5	71
57	Targeting a neoantigen derived from a common mutation. *Science*, **2021**, 371,	33.3	68
56	Circulating Tumor DNA as a Cancer Biomarker: Fact or Fiction?. *Clinical Chemistry*, **2016**, 62, 1054-60	5.5	63
55	Utility of CT Radiomics Features in Differentiation of Pancreatic Ductal Adenocarcinoma From Normal Pancreatic Tissue. *American Journal of Roentgenology*, **2019**, 213, 349-357	5.4	62
54	Very Long-term Survival Following Resection for Pancreatic Cancer Is Not Explained by Commonly Mutated Genes: Results of Whole-Exome Sequencing Analysis. *Clinical Cancer Research*, **2015**, 21, 1944-50	12.9	62
53	Whole-Genome Sequencing of Salivary Gland Adenoid Cystic Carcinoma. *Cancer Prevention Research*, **2016**, 9, 265-74	3.2	59
52	Lavage of the Uterine Cavity for Molecular Detection of Müllerian Duct Carcinomas: A Proof-of-Concept Study. *Journal of Clinical Oncology*, **2015**, 33, 4293-300	2.2	57
51	Precancerous neoplastic cells can move through the pancreatic ductal system. *Nature*, **2018**, 561, 201-205	30.4	55
50	A nanoparticle formulation that selectively transfects metastatic tumors in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 14717-22	11.5	53
49	FAST-SeqS: a simple and efficient method for the detection of aneuploidy by massively parallel sequencing. *PLoS ONE*, **2012**, 7, e41162	3.7	50
48	Aristolochic Acid in the Etiology of Renal Cell Carcinoma. *Cancer Epidemiology Biomarkers and Prevention*, **2016**, 25, 1600-1608	4	46
47	Clostridium novyi-NT can cause regression of orthotopically implanted glioblastomas in rats. *Oncotarget*, **2015**, 6, 5536-46	3.3	46
46	Genomic landscape and evolutionary trajectories of ovarian cancer precursor lesions. *Journal of Pathology*, **2019**, 248, 41-50	9.4	44

45	Bispecific antibodies targeting mutant neoantigens. *Science Immunology*, **2021**, 6,	28	42
44	Structural basis of nSH2 regulation and lipid binding in PI3K *Oncotarget*, **2014**, 5, 5198-208	3.3	40
43	Tech.sight. Genetic testing--present and future. *Science*, **2000**, 289, 1890-2	33.3	40
42	Transcriptional programs of neoantigen-specific TIL in anti-PD-1-treated lung cancers. *Nature*, **2021**, 596, 126-132	50.4	40
41	Application of Deep Learning to Pancreatic Cancer Detection: Lessons Learned From Our Initial Experience. *Journal of the American College of Radiology*, **2019**, 16, 1338-1342	3.5	37
40	Assessing tumors in living animals through measurement of urinary beta-human chorionic gonadotropin. *Nature Medicine*, **2000**, 6, 711-4	50.5	31
39	Detection of aneuploidy in patients with cancer through amplification of long interspersed nucleotide elements (LINEs). *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1871-1876	11.5	30
38	Detection of somatic TP53 mutations in tampons of patients with high-grade serous ovarian cancer. *Obstetrics and Gynecology*, **2014**, 124, 881-885	4.9	30
37	Mutations of the APC (adenomatous polyposis coli) gene in FAP (familial polyposis coli) patients and in sporadic colorectal tumors. *Tohoku Journal of Experimental Medicine*, **1992**, 168, 141-7	2.4	30
36	High prevalence of TERT promoter mutations in micropapillary urothelial carcinoma. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2016**, 469, 427-34	5.1	29
35	High prevalence of TERT promoter mutations in primary squamous cell carcinoma of the urinary bladder. *Modern Pathology*, **2016**, 29, 511-5	9.8	28
34	Generation of MANAbodies specific to HLA-restricted epitopes encoded by somatically mutated genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9967-72	11.5	27
33	Detection of TERT promoter mutations in primary adenocarcinoma of the urinary bladder. *Human Pathology*, **2016**, 53, 8-13	3.7	27
32	Assessing aneuploidy with repetitive element sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4858-4863	11.5	26
31	Revisiting the tumorigenesis timeline with a data-driven generative model. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 857-864	11.5	26
30	Prognostic significance of postsurgery circulating tumor DNA in nonmetastatic colorectal cancer: Individual patient pooled analysis of three cohort studies. *International Journal of Cancer*, **2021**, 148, 1014-1026	7.5	26
29	Diagnostic potential of tumor DNA from ovarian cyst fluid. *ELife*, **2016**, 5,	8.9	25
28	A novel approach for selecting combination clinical markers of pathology applied to a large retrospective cohort of surgically resected pancreatic cysts. *Journal of the American Medical Informatics Association: JAMIA*, **2017**, 24, 145-152	8.6	24

27	Direct Detection and Quantification of Neoantigens. *Cancer Immunology Research*, **2019**, 7, 1748-1754	12.5	21
26	Targeted sequencing of plasmacytoid urothelial carcinoma reveals frequent TERT promoter mutations. *Human Pathology*, **2019**, 85, 1-9	3.7	21
25	Deregulation of energy metabolism promotes antifibrotic effects in human hepatic stellate cells and prevents liver fibrosis in a mouse model. *Biochemical and Biophysical Research Communications*, **2016**, 469, 463-9	3.4	18
24	Identification of allosteric binding sites for PI3K oncogenic mutant specific inhibitor design. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 1481-1486	3.4	17
23	Circulating tumor DNA dynamics and recurrence risk in patients undergoing curative intent resection of colorectal cancer liver metastases: A prospective cohort study. *PLoS Medicine*, **2021**, 18, e1003620	11.6	16
22	Targeting loss of heterozygosity for cancer-specific immunotherapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	14
21	Genomic analysis identifies frequent deletions of Dystrophin in olfactory neuroblastoma. *Nature Communications*, **2018**, 9, 5410	17.4	14
20	Less death in the dying. *Cell Death and Differentiation*, **1997**, 4, 242-6	12.7	13
19	Serial circulating tumor DNA (ctDNA) analysis as a prognostic marker and a real-time indicator of adjuvant chemotherapy (CT) efficacy in stage III colon cancer (CC).. *Journal of Clinical Oncology*, **2018**, 36, 3516-3516	2.2	13
18	TCR chain-directed bispecific antibodies for the treatment of T cell cancers. *Science Translational Medicine*, **2021**, 13,	17.5	10
17	Targeting public neoantigens for cancer immunotherapy. *Nature Cancer*, **2021**, 2, 487-497	15.4	10
16	Detection of low-frequency DNA variants by targeted sequencing of the Watson and Crick strands. *Nature Biotechnology*, **2021**, 39, 1220-1227	44.5	10
15	Bisulfite-converted duplexes for the strand-specific detection and quantification of rare mutations. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4733-4738	11.5	8
14	An engineered antibody fragment targeting mutant catenin via major histocompatibility complex I neoantigen presentation. *Journal of Biological Chemistry*, **2019**, 294, 19322-19334	5.4	8
13	Massively Parallel Sequencing of Esophageal Brushings Enables an Aneuploidy-Based Classification of Patients With Barrett's Esophagus. *Gastroenterology*, **2021**, 160, 2043-2054.e2	13.3	8
12	Pembrolizumab for patients with leptomeningeal metastasis from solid tumors: efficacy, safety, and cerebrospinal fluid biomarkers **2021**, 9,		6
11	Intraductal papillary mucinous neoplasm in a neonate with congenital hyperinsulinism and a de novo germline SKIL gene mutation. *Pancreatology*, **2015**, 15, 194-6	3.8	5
10	Circulating tumor DNA (ctDNA) in nonmetastatic colorectal cancer (CRC): Potential role as a screening tool.. *Journal of Clinical Oncology*, **2015**, 33, 518-518	2.2	5

9	Structural engineering of chimeric antigen receptors targeting HLA-restricted neoantigens. *Nature Communications*, **2021**, 12, 5271	17.4	5
8	Circulating tumor DNA as a prognostic biomarker in early stage pancreatic cancer.. *Journal of Clinical Oncology*, **2018**, 36, e16206-e16206	2.2	4
7	Non-invasive detection of bladder cancer through the analysis of driver gene mutations and aneuploidy		4
6	Tumor DNA as a Cancer Biomarker through the Lens of Colorectal Neoplasia. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 2441-2453	4	3
5	Necessity Is the Mother of Invention: The Development of Digital Genomics. *Clinical Chemistry*, **2016**, 62, 1668-1669	5.5	2
4	Expression of the APC tumor suppressor protein in oligodendroglia **1996**, 17, 169		2
3	Massively parallel sequencing (MPS) of circulating DNA in patients with metastatic colorectal cancer (mCRC): Prognostic significance and early changes during chemotherapy (CT).. *Journal of Clinical Oncology*, **2013**, 31, 11015-11015	2.2	1
2	Evaluating the Evaluation of Cancer Driver Genes		1
1	TCR-mimic bispecific antibodies to target the HIV-1 reservoir.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2123406119	11.5	0