Kenneth W Kinzler

List of Publications by Year in descending order

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137 papers

84,215 citations

4960 84 h-index 136 g-index

146 all docs

146 docs citations

146 times ranked 77513 citing authors

#	Article	IF	CITATIONS
1	Cancer Genome Landscapes. Science, 2013, 339, 1546-1558.	12.6	6,507
2	<i>IDH1</i> and <i>IDH2</i> Mutations in Gliomas. New England Journal of Medicine, 2009, 360, 765-773.	27.0	5,285
3	An Integrated Genomic Analysis of Human Glioblastoma Multiforme. Science, 2008, 321, 1807-1812.	12.6	5,230
4	Identification of c- <i>MYC</i> as a Target of the APC Pathway. Science, 1998, 281, 1509-1512.	12.6	4,058
5	Genetic instabilities in human cancers. Nature, 1998, 396, 643-649.	27.8	3,851
6	Core Signaling Pathways in Human Pancreatic Cancers Revealed by Global Genomic Analyses. Science, 2008, 321, 1801-1806.	12.6	3,755
7	Activation of \hat{l}^2 -Catenin-Tcf Signaling in Colon Cancer by Mutations in \hat{l}^2 -Catenin or APC. Science, 1997, 275, 1787-1790.	12.6	3,686
8	Detection of Circulating Tumor DNA in Early- and Late-Stage Human Malignancies. Science Translational Medicine, 2014, 6, 224ra24.	12.4	3,665
9	The Genomic Landscapes of Human Breast and Colorectal Cancers. Science, 2007, 318, 1108-1113.	12.6	3,049
10	Circulating mutant DNA to assess tumor dynamics. Nature Medicine, 2008, 14, 985-990.	30.7	2,207
11	Distant metastasis occurs late during the genetic evolution of pancreatic cancer. Nature, 2010, 467, 1114-1117.	27.8	2,184
12	Definition of a consensus binding site for p53. Nature Genetics, 1992, 1, 45-49.	21.4	1,944
13	Detection and localization of surgically resectable cancers with a multi-analyte blood test. Science, 2018, 359, 926-930.	12.6	1,872
14	Exome Sequencing of Head and Neck Squamous Cell Carcinoma Reveals Inactivating Mutations in <i>NOTCH1</i> . Science, 2011, 333, 1154-1157.	12.6	1,568
15	The molecular evolution of acquired resistance to targeted EGFR blockade in colorectal cancers. Nature, 2012, 486, 537-540.	27.8	1,506
16	<i>DAXX</i> / <i>ATRX</i> , <i>MEN1</i> , and mTOR Pathway Genes Are Frequently Altered in Pancreatic Neuroendocrine Tumors. Science, 2011, 331, 1199-1203.	12.6	1,504
17	Mutations of mitotic checkpoint genes in human cancers. Nature, 1998, 392, 300-303.	27.8	1,400
18	The Vigorous Immune Microenvironment of Microsatellite Instable Colon Cancer Is Balanced by Multiple Counter-Inhibitory Checkpoints. Cancer Discovery, 2015, 5, 43-51.	9.4	1,180

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19	Frequent Mutations of Chromatin Remodeling Gene <i>ARID1A</i> in Ovarian Clear Cell Carcinoma. Science, 2010, 330, 228-231.	12.6	1,090
20	The Molecular Basis of Turcot's Syndrome. New England Journal of Medicine, 1995, 332, 839-847.	27.0	1,060
21	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, 16368-16373.	7.1	1,049
22	Gatekeepers and caretakers. Nature, 1997, 386, 761-763.	27.8	1,043
23	Circulating tumor DNA analysis detects minimal residual disease and predicts recurrence in patients with stage II colon cancer. Science Translational Medicine, 2016, 8, 346ra92.	12.4	1,036
24	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, 9530-9535.	7.1	1,016
25	Altered Telomeres in Tumors with <i>ATRX</i> and <i>DAXX</i> Mutations. Science, 2011, 333, 425-425.	12.6	891
26	14-3-3 \ddot{l} is required to prevent mitotic catastrophe after DNA damage. Nature, 1999, 401, 616-620.	27.8	889
27	Role of <i>BAX</i> in the Apoptotic Response to Anticancer Agents. Science, 2000, 290, 989-992.	12.6	843
28	Glucose Deprivation Contributes to the Development of <i>KRAS</i> Pathway Mutations in Tumor Cells. Science, 2009, 325, 1555-1559.	12.6	797
29	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, 8817-8822.	7.1	744
30	Accumulation of driver and passenger mutations during tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18545-18550.	7.1	742
31	Comparative lesion sequencing provides insights into tumor evolution. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4283-4288.	7.1	720
32	The Genetic Landscape of the Childhood Cancer Medulloblastoma. Science, 2011, 331, 435-439.	12.6	652
33	Allelic Variation in Human Gene Expression. Science, 2002, 297, 1143-1143.	12.6	618
34	A Phosphatase Associated with Metastasis of Colorectal Cancer. Science, 2001, 294, 1343-1346.	12.6	601
35	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, 21188-21193.	7.1	585
36	Evaluation of candidate tumour suppressor genes on chromosome 18 in colorectal cancers. Nature Genetics, 1996, 13, 343-346.	21.4	580

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37	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, 11774-11779.	7.1	578
38	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, 18321-18326.	7.1	572
39	Cancer-Associated Mutations in Endometriosis without Cancer. New England Journal of Medicine, 2017, 376, 1835-1848.	27.0	451
40	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.	7.1	438
41	Cancer-Specific High-Throughput Annotation of Somatic Mutations: Computational Prediction of Driver Missense Mutations. Cancer Research, 2009, 69, 6660-6667.	0.9	416
42	Ferredoxin reductase affects p53-dependent, 5-fluorouracil–induced apoptosis in colorectal cancer cells. Nature Medicine, 2001, 7, 1111-1117.	30.7	389
43	Circulating Tumor DNA Analyses as Markers of Recurrence Risk and Benefit of Adjuvant Therapy for Stage III Colon Cancer. JAMA Oncology, 2019, 5, 1710.	7.1	383
44	The GLI gene is a member of the Kruppel family of zinc finger proteins. Nature, 1988, 332, 371-374.	27.8	376
45	A Combination of Molecular Markers and Clinical Features Improve the Classification of Pancreatic Cysts. Gastroenterology, 2015, 149, 1501-1510.	1.3	376
46	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.	12.4	372
47	Association of the Autoimmune Disease Scleroderma with an Immunologic Response to Cancer. Science, 2014, 343, 152-157.	12.6	358
48	Feasibility of blood testing combined with PET-CT to screen for cancer and guide intervention. Science, 2020, 369, .	12.6	351
49	Comparative Genomic Analysis of Esophageal Adenocarcinoma and Squamous Cell Carcinoma. Cancer Discovery, 2012, 2, 899-905.	9.4	342
50	Circulating Tumor DNA Analysis Guiding Adjuvant Therapy in Stage II Colon Cancer. New England Journal of Medicine, 2022, 386, 2261-2272.	27.0	337
51	Evaluating the evaluation of cancer driver genes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14330-14335.	7.1	325
52	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, 9704-9709.	7.1	317
53	Limited heterogeneity of known driver gene mutations among the metastases of individual patients with pancreatic cancer. Nature Genetics, 2017, 49, 358-366.	21.4	316
54	Intratumoral injection of <i>Clostridium novyi</i> -NT spores induces antitumor responses. Science Translational Medicine, 2014, 6, 249ra111.	12.4	285

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55	Whole Genome Sequencing Defines the Genetic Heterogeneity of Familial Pancreatic Cancer. Cancer Discovery, 2016, 6, 166-175.	9.4	282
56	The Path to Cancer â€" Three Strikes and You're Out. New England Journal of Medicine, 2015, 373, 1895-1898.	27.0	269
57	Evaluation of DNA from the Papanicolaou Test to Detect Ovarian and Endometrial Cancers. Science Translational Medicine, 2013, 5, 167ra4.	12.4	264
58	Somatic mutations in the chromatin remodeling gene <i>ARID1A</i> occur in several tumor types. Human Mutation, 2012, 33, 100-103.	2.5	263
59	Conversion of diploidy to haploidy. Nature, 2000, 403, 723-724.	27.8	248
60	Somatic mutations of SUZ12 in malignant peripheral nerve sheath tumors. Nature Genetics, 2014, 46, 1170-1172.	21.4	247
61	Serial circulating tumour DNA analysis during multimodality treatment of locally advanced rectal cancer: a prospective biomarker study. Gut, 2019, 68, 663-671.	12.1	234
62	Transcriptional programs of neoantigen-specific TIL in anti-PD-1-treated lung cancers. Nature, 2021, 596, 126-132.	27.8	234
63	Expression of the APC tumor suppressor protein in oligodendroglia. , 1996, 17, 169-174.		227
64	Minimal functional driver gene heterogeneity among untreated metastases. Science, 2018, 361, 1033-1037.	12.6	223
65	Mutational Signature of Aristolochic Acid Exposure as Revealed by Whole-Exome Sequencing. Science Translational Medicine, 2013, 5, 197ra102.	12.4	220
66	<i>TERT</i> Promoter Mutations Occur Early in Urothelial Neoplasia and Are Biomarkers of Early Disease and Disease Recurrence in Urine. Cancer Research, 2013, 73, 7162-7167.	0.9	214
67	Whole-Exome Sequencing Analyses of Inflammatory Bowel Diseaseâ^'Associated Colorectal Cancers. Gastroenterology, 2016, 150, 931-943.	1.3	208
68	The Early Detection of Pancreatic Cancer: What Will It Take to Diagnose and Treat Curable Pancreatic Neoplasia?. Cancer Research, 2014, 74, 3381-3389.	0.9	207
69	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. Nature Communications, 2016, 7, 11971.	12.8	203
70	Targeting a neoantigen derived from a common <i>TP53</i> mutation. Science, 2021, 371, .	12.6	194
71	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, 9846-9851.	7.1	178
72	Evaluation of liquid from the Papanicolaou test and other liquid biopsies for the detection of endometrial and ovarian cancers. Science Translational Medicine, 2018, 10, .	12.4	178

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73	Clinicopathological Correlates of Activating GNAS Mutations in Intraductal Papillary Mucinous Neoplasm (IPMN) of the Pancreas. Annals of Surgical Oncology, 2013, 20, 3802-3808.	1.5	158
74	Prognostic Potential of Circulating Tumor DNA Measurement in Postoperative Surveillance of Nonmetastatic Colorectal Cancer. JAMA Oncology, 2019, 5, 1118.	7.1	152
75	Applications of liquid biopsies for cancer. Science Translational Medicine, 2019, 11, .	12.4	151
76	Serial Assessment of Human Tumor Burdens in Mice by the Analysis of Circulating DNA. Cancer Research, 2007, 67, 9364-9370.	0.9	147
77	An analysis of genetic heterogeneity in untreated cancers. Nature Reviews Cancer, 2019, 19, 639-650.	28.4	139
78	A multimodality test to guide the management of patients with a pancreatic cyst. Science Translational Medicine, $2019,11,.$	12.4	129
79	Enrichment and Expansion with Nanoscale Artificial Antigen Presenting Cells for Adoptive Immunotherapy. ACS Nano, 2015, 9, 6861-6871.	14.6	119
80	Utility of CT Radiomics Features in Differentiation of Pancreatic Ductal Adenocarcinoma From Normal Pancreatic Tissue. American Journal of Roentgenology, 2019, 213, 349-357.	2.2	117
81	Bispecific antibodies targeting mutant <i>RAS</i> neoantigens. Science Immunology, 2021, 6, .	11.9	106
82	Precancerous neoplastic cells can move through the pancreatic ductal system. Nature, 2018, 561, 201-205.	27.8	96
83	Exomic analysis of myxoid liposarcomas, synovial sarcomas, and osteosarcomas. Genes Chromosomes and Cancer, 2014, 53, 15-24.	2.8	91
84	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.	8.4	88
85	Lavage of the Uterine Cavity for Molecular Detection of MÃ $\frac{1}{4}$ llerian Duct Carcinomas: A Proof-of-Concept Study. Journal of Clinical Oncology, 2015, 33, 4293-4300.	1.6	87
86	Circulating Tumor DNA as a Cancer Biomarker: Fact or Fiction?. Clinical Chemistry, 2016, 62, 1054-1060.	3.2	87
87	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, 1944-1950.	7.0	85
88	Genomic landscape and evolutionary trajectories of ovarian cancer precursor lesions. Journal of Pathology, 2019, 248, 41-50.	4.5	84
89	Design and analysis issues in genome-wide somatic mutation studies of cancer. Genomics, 2009, 93, 17-21.	2.9	83
90	Whole-Genome Sequencing of Salivary Gland Adenoid Cystic Carcinoma. Cancer Prevention Research, 2016, 9, 265-274.	1.5	80

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91	Targeting public neoantigens for cancer immunotherapy. Nature Cancer, 2021, 2, 487-497.	13.2	79
92	Prognostic significance of postsurgery circulating tumor <scp>DNA</scp> in nonmetastatic colorectal cancer: Individual patient pooled analysis of three cohort studies. International Journal of Cancer, 2021, 148, 1014-1026.	5.1	77
93	Aristolochic Acid in the Etiology of Renal Cell Carcinoma. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1600-1608.	2.5	65
94	FAST-SeqS: A Simple and Efficient Method for the Detection of Aneuploidy by Massively Parallel Sequencing. PLoS ONE, 2012, 7, e41162.	2.5	65
95	<i>Clostridium novyi</i> -NT can cause regression of orthotopically implanted glioblastomas in rats. Oncotarget, 2015, 6, 5536-5546.	1.8	65
96	Structural basis of nSH2 regulation and lipid binding in PI3Kα. Oncotarget, 2014, 5, 5198-5208.	1.8	62
97	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.	1.8	62
98	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, 14717-14722.	7.1	59
99	GENETICS: Genetic Testing- Present and Future. Science, 2000, 289, 1890-1892.	12.6	51
100	Assessing aneuploidy with repetitive element sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4858-4863.	7.1	50
101	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.	7.1	48
102	Detection of Somatic TP53 Mutations in Tampons of Patients With High-Grade Serous Ovarian Cancer. Obstetrics and Gynecology, 2014, 124, 881-885.	2.4	44
103	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.	7.1	44
104	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, 9967-9972.	7.1	41
105	Direct Detection and Quantification of Neoantigens. Cancer Immunology Research, 2019, 7, 1748-1754.	3.4	40
106	Detection of low-frequency DNA variants by targeted sequencing of the Watson and Crick strands. Nature Biotechnology, 2021, 39, 1220-1227.	17.5	40
107	Targeting loss of heterozygosity for cancer-specific immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
108	High prevalence of TERT promoter mutations in micropapillary urothelial carcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2016, 469, 427-434.	2.8	38

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109	Assessing tumors in living animals through measurement of urinary \hat{l}^2 -human chorionic gonadotropin. Nature Medicine, 2000, 6, 711-714.	30.7	37
110	High prevalence of TERT promoter mutations in primary squamous cell carcinoma of the urinary bladder. Modern Pathology, 2016, 29, 511-515.	5.5	34
111	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.	4.4	34
112	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, 141-147.	1.2	33
113	Pembrolizumab for patients with leptomeningeal metastasis from solid tumors: efficacy, safety, and cerebrospinal fluid biomarkers., 2021, 9, e002473.		33
114	Detection of TERT promoter mutations in primary adenocarcinoma of the urinary bladder. Human Pathology, 2016, 53, 8-13.	2.0	31
115	Diagnostic potential of tumor DNA from ovarian cyst fluid. ELife, 2016, 5, .	6.0	30
116	Genomic analysis identifies frequent deletions of Dystrophin in olfactory neuroblastoma. Nature Communications, 2018, 9, 5410.	12.8	30
117	TCR β chain–directed bispecific antibodies for the treatment of T cell cancers. Science Translational Medicine, 2021, 13, .	12.4	30
118	Targeted sequencing of plasmacytoid urothelial carcinoma reveals frequent TERT promoter mutations. Human Pathology, 2019, 85, 1-9.	2.0	28
119	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, 463-469.	2.1	27
120	Identification of allosteric binding sites for PI3K $\hat{l}\pm$ oncogenic mutant specific inhibitor design. Bioorganic and Medicinal Chemistry, 2017, 25, 1481-1486.	3.0	24
121	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.	1.6	19
122	Massively Parallel Sequencing of Esophageal Brushings Enables an Aneuploidy-Based Classification of Patients With Barrett's Esophagus. Gastroenterology, 2021, 160, 2043-2054.e2.	1.3	17
123	Structural engineering of chimeric antigen receptors targeting HLA-restricted neoantigens. Nature Communications, 2021, 12, 5271.	12.8	17
124	An engineered antibody fragment targeting mutant \hat{l}^2 -catenin via major histocompatibility complex I neoantigen presentation. Journal of Biological Chemistry, 2019, 294, 19322-19334.	3.4	15
125	Less death in the dying. Cell Death and Differentiation, 1997, 4, 242-246.	11.2	14
126	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.	7.1	12

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127	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.	7.1	10
128	Intraductal papillary mucinous neoplasm in a neonate with congenital hyperinsulinism and a de novo germline SKIL gene mutation. Pancreatology, 2015, 15, 194-196.	1.1	8
129	Circulating tumor DNA (ctDNA) in nonmetastatic colorectal cancer (CRC): Potential role as a screening tool Journal of Clinical Oncology, 2015, 33, 518-518.	1.6	6
130	Tumor DNA as a Cancer Biomarker through the Lens of Colorectal Neoplasia. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 2441-2453.	2.5	5
131	Adjuvant chemotherapy guided by circulating tumor DNA analysis in stage II colon cancer: The randomized DYNAMIC trial Journal of Clinical Oncology, 2022, 40, LBA100-LBA100.	1.6	5
132	Circulating tumor DNA as a prognostic biomarker in early stage pancreatic cancer Journal of Clinical Oncology, 2018, 36, e16206-e16206.	1.6	4
133	Necessity Is the Mother of Invention: The Development of Digital Genomics. Clinical Chemistry, 2016, 62, 1668-1669.	3.2	2
134	Expression of the APC tumor suppressor protein in oligodendroglia. Glia, 1996, 17, 169-174.	4.9	2
135	An isogenic cell line panel for sequence-based screening of targeted anticancer drugs. IScience, 2022, 25, 104437.	4.1	2
136	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.	1.6	1
137	629â€Targeting a shared TP53 neoantigen with bispecific T cell retargeting antibody. , 2020, , .		O