Michael F Berger

List of Publications by Year
in descending order

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249	45,224	2544 96	2178 202
papers	citations	h-index	g-index

260	260	260	48226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TERT Copy Number Alterations, Promoter Mutations and Rearrangements in Adrenocortical Carcinomas. Endocrine Pathology, 2022, 33, 304-314.	9.0	4
2	Differences in Prostate Cancer Genomes by Self-reported Race: Contributions of Genetic Ancestry, Modifiable Cancer Risk Factors, and Clinical Factors. Clinical Cancer Research, 2022, 28, 318-326.	7.0	28
3	Improved prediction of immune checkpoint blockade efficacy across multiple cancer types. Nature Biotechnology, 2022, 40, 499-506.	17.5	110
4	Multiple Primary Cancers in Patients Undergoing Tumor-Normal Sequencing Define Novel Associations. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 362-371.	2.5	7
5	Phase II Trial of Imatinib Plus Binimetinib in Patients With Treatment-Naive Advanced Gastrointestinal Stromal Tumor. Journal of Clinical Oncology, 2022, 40, 997-1008.	1.6	13
6	Phase Ib Trial of the Combination of Imatinib and Binimetinib in Patients with Advanced Gastrointestinal Stromal Tumors. Clinical Cancer Research, 2022, 28, 1507-1517.	7.0	3
7	Genomic characterization of metastatic patterns from prospective clinical sequencing of 25,000 patients. Cell, 2022, 185, 563-575.e11.	28.9	223
8	The evolution of RET inhibitor resistance in RET-driven lung and thyroid cancers. Nature Communications, 2022, 13, 1450.	12.8	47
9	Defining Novel DNA Virus-Tumor Associations and Genomic Correlates Using Prospective Clinical Tumor/Normal Matched Sequencing Data. Journal of Molecular Diagnostics, 2022, 24, 515-528.	2.8	12
10	Cancer-Causative Mutations Occurring in Early Embryogenesis. Cancer Discovery, 2022, 12, 949-957.	9.4	21
11	Evaluation of TERT mRNA expression using RNAscopeÂ®: A potential histopathologic diagnostic and prognostic tool. Pathology Research and Practice, 2022, 233, 153892.	2.3	2
12	Chromatin profiles classify castration-resistant prostate cancers suggesting therapeutic targets. Science, 2022, 376, .	12.6	75
13	Clinical sequencing of soft tissue and bone sarcomas delineates diverse genomic landscapes and potential therapeutic targets. Nature Communications, 2022, 13, .	12.8	63
14	Targeting HER2 mutationâ€“positive advanced biliary tract cancers with neratinib: Final results from the phase 2 SUMMIT basket trial.. Journal of Clinical Oncology, 2022, 40, 4079-4079.	1.6	11
15	Matched Molecular Profiling of Cell-Free DNA and Tumor Tissue in Patients With Advanced Clear Cell Renal Cell Carcinoma. JCO Precision Oncology, 2022, , .	3.0	3
16	Inherited Germline Cancer Susceptibility Gene Variants in Individuals with Nonâ€“Muscle-Invasive Bladder Cancer. Clinical Cancer Research, 2022, 28, 4267-4277.	7.0	4
17	TRK xDFG Mutations Trigger a Sensitivity Switch from Type I to II Kinase Inhibitors. Cancer Discovery, 2021, 11, 126-141.	9.4	34
18	Characterization and Clinical Outcomes of DNA Mismatch Repairâ€“deficient Small Bowel Adenocarcinoma. Clinical Cancer Research, 2021, 27, 1429-1437.	7.0	23

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19	Targeting Germline- and Tumor-Associated Nucleotide Excision Repair Defects in Cancer. Clinical Cancer Research, 2021, 27, 1997-2010.	7.0	15
20	A Pan-Cancer Study of Somatic TERT Promoter Mutations and Amplification in 30,773 Tumors Profiled by Clinical Genomic Sequencing. Journal of Molecular Diagnostics, 2021, 23, 253-263.	2.8	20
21	The association between tumor mutational burden and prognosis is dependent on treatment context. Nature Genetics, 2021, 53, 11-15.	21.4	139
22	Interplay between chromosomal alterations and gene mutations shapes the evolutionary trajectory of clonal hematopoiesis. Nature Communications, 2021, 12, 338.	12.8	64
23	Pretreatment neutrophil-to-lymphocyte ratio and mutational burden as biomarkers of tumor response to immune checkpoint inhibitors. Nature Communications, 2021, 12, 729.	12.8	212
24	Prospective pan-cancer germline testing using MSK-IMPACT informs clinical translation in 751 patients with pediatric solid tumors. Nature Cancer, 2021, 2, 357-365.	13.2	74
25	Prevalence and Characterization of Biallelic and Monoallelic NTHL1 and MSH3 Variant Carriers From a Pan-Cancer Patient Population. JCO Precision Oncology, 2021, 5, 455-465.	3.0	10
26	A Genomic-Pathologic Annotated Risk Model to Predict Recurrence in Early-Stage Lung Adenocarcinoma. JAMA Surgery, 2021, 156, e205601.	4.3	52
27	OncoTree: A Cancer Classification System for Precision Oncology. JCO Clinical Cancer Informatics, 2021, 5, 221-230.	2.1	51
28	Next-Generation Sequencing of 487 Esophageal Adenocarcinomas Reveals Independently Prognostic Genomic Driver Alterations and Pathways. Clinical Cancer Research, 2021, 27, 3491-3498.	7.0	8
29	Respiratory complex and tissue lineage drive recurrent mutations in tumour mtDNA. Nature Metabolism, 2021, 3, 558-570.	11.9	58
30	Tumor fraction-guided cell-free DNA profiling in metastatic solid tumor patients. Genome Medicine, 2021, 13, 96.	8.2	26
31	Response Rates to Antiâ€“PD-1 Immunotherapy in Microsatellite-Stable Solid Tumors With 10 or More Mutations per Megabase. JAMA Oncology, 2021, 7, 739.	7.1	125
32	Resource-efficient pooled sequencing expands translational impact in solid tumors. Kidney Cancer Journal: Official Journal of the Kidney Cancer Association, 2021, 19, 18-23.	0.1	1
33	Clinical Experience of Cerebrospinal Fluidâ€“Based Liquid Biopsy Demonstrates Superiority of Cell-Free DNA over Cell Pellet Genomic DNA for Molecular Profiling. Journal of Molecular Diagnostics, 2021, 23, 742-752.	2.8	17
34	Enhanced specificity of clinical high-sensitivity tumor mutation profiling in cell-free DNA via paired normal sequencing using MSK-ACCESS. Nature Communications, 2021, 12, 3770.	12.8	68
35	A Comprehensive Comparison of Early-Onset and Average-Onset Colorectal Cancers. Journal of the National Cancer Institute, 2021, 113, 1683-1692.	6.3	66
36	Therapeutic Implications of Germline Testing in Patients With Advanced Cancers. Journal of Clinical Oncology, 2021, 39, 2698-2709.	1.6	83

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37	Pancreas cancer and BRCA: A critical subset of patients with improving therapeutic outcomes. Cancer, 2021, 127, 4393-4402.	4.1	24
38	Association of Plasma Circulating Tumor DNA With Diagnosis of Metastatic Uveal Melanoma. JAMA Ophthalmology, 2021, 139, 1244-1245.	2.5	4
39	Recurrence biomarkers of triple negative breast cancer treated with neoadjuvant chemotherapy and anti-EGFR antibodies. Npj Breast Cancer, 2021, 7, 124.	5.2	7
40	Clinical utility of next-generation sequencing-based ctDNA testing for common and novel ALK fusions. Lung Cancer, 2021, 159, 66-73.	2.0	17
41	Molecular Changes in Retinoblastoma beyond RB1: Findings from Next-Generation Sequencing. Cancers, 2021, 13, 149.	3.7	27
42	Utility of Serial cfDNA NGS for Prospective Genomic Analysis of Patients on a Phase I Basket Study. JCO Precision Oncology, 2021, 5, 6-16.	3.0	2
43	A quick guide for clinical oncology. Nature Cancer, 2021, 2, 998-999.	13.2	1
44	Clonal hematopoiesis is associated with risk of severe Covid-19. Nature Communications, 2021, 12, 5975.	12.8	81
45	The context-specific role of germline pathogenicity in tumorigenesis. Nature Genetics, 2021, 53, 1577-1585.	21.4	44
46	Diverse alterations associated with resistance to KRAS(G12C) inhibition. Nature, 2021, 599, 679-683.	27.8	183
47	Molecular and phenotypic profiling of colorectal cancer patients in West Africa reveals biological insights. Nature Communications, 2021, 12, 6821.	12.8	15
48	Genomic Profiling Identifies Association of IDH1/IDH2 Mutation with Longer Relapse-Free and Metastasis-Free Survival in High-Grade Chondrosarcoma. Clinical Cancer Research, 2020, 26, 419-427.	7.0	60
49	PD-1 Blockade in Advanced Adrenocortical Carcinoma. Journal of Clinical Oncology, 2020, 38, 71-80.	1.6	119
50	Fumarate hydrataseFHc.1431_1433dupAAA (p.Lys477dup) variant is not associated with cancer including renal cell carcinoma. Human Mutation, 2020, 41, 103-109.	2.5	25
51	Development of Genome-Derived Tumor Type Prediction to Inform Clinical Cancer Care. JAMA Oncology, 2020, 6, 84.	7.1	66
52	Cancer Susceptibility Mutations in Patients With Urothelial Malignancies. Journal of Clinical Oncology, 2020, 38, 406-414.	1.6	60
53	Molecular profiling and analysis of genetic aberrations aimed at identifying potential therapeutic targets in fibrolamellar carcinoma of the liver. Cancer, 2020, 126, 4126-4135.	4.1	5
54	A phase 2 trial of buparlisib in patients with platinumâ€resistant metastatic urothelial carcinoma. Cancer, 2020, 126, 4532-4544.	4.1	14

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55	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. Cell, 2020, 182, 1044-1061.e18.	28.9	691
56	Cancer therapy shapes the fitness landscape of clonal hematopoiesis. Nature Genetics, 2020, 52, 1219-1226.	21.4	367
57	Germ Cell Tumor Molecular Heterogeneity Revealed Through Analysis of Primary and Metastasis Pairs. JCO Precision Oncology, 2020, 4, 1307-1320.	3.0	9
58	Developing Quality Programs for Cell-Free DNA (cfDNA) Extraction from Peripheral Blood. journal of applied laboratory medicine, The, 2020, 5, 788-797.	1.3	6
59	Protein-altering germline mutations implicate novel genes related to lung cancer development. Nature Communications, 2020, 11, 2220.	12.8	31
60	Effect of Osimertinib and Bevacizumab on Progression-Free Survival for Patients With Metastatic EGFR-Mutant Lung Cancers. JAMA Oncology, 2020, 6, 1048.	7.1	96
61	Alterations in driver genes are predictive of survival in patients with resected pancreatic ductal adenocarcinoma. Cancer, 2020, 126, 3939-3949.	4.1	44
62	Fragment Size Analysis May Distinguish Clonal Hematopoiesis from Tumor-Derived Mutations in Cell-Free DNA. Clinical Chemistry, 2020, 66, 616-618.	3.2	35
63	Cellâ€free DNA profiling in retinoblastoma patients with advanced intraocular disease: An MSKCC experience. Cancer Medicine, 2020, 9, 6093-6101.	2.8	32
64	Leveraging Systematic Functional Analysis to Benchmark an In Silico Framework Distinguishes Driver from Passenger MEK Mutants in Cancer. Cancer Research, 2020, 80, 4233-4243.	0.9	18
65	Germline alterations in patients with biliary tract cancers: A spectrum of significant and previously underappreciated findings. Cancer, 2020, 126, 1995-2002.	4.1	26
66	The Clinical Management of Clonal Hematopoiesis. Hematology/Oncology Clinics of North America, 2020, 34, 357-367.	2.2	42
67	Regorafenib in Combination with Firstâ€Line Chemotherapy for Metastatic Esophagogastric Cancer. Oncologist, 2020, 25, e68-e74.	3.7	10
68	Coaltered Ras/B-raf and TP53 Is Associated with Extremes of Survivorship and Distinct Patterns of Metastasis in Patients with Metastatic Colorectal Cancer. Clinical Cancer Research, 2020, 26, 1077-1085.	7.0	62
69	Alterations in PTEN and ESR1 promote clinical resistance to alpelisib plus aromatase inhibitors. Nature Cancer, 2020, 1, 382-393.	13.2	96
70	HER2-Mediated Internalization of Cytotoxic Agents inERBB2Amplified or Mutant Lung Cancers. Cancer Discovery, 2020, 10, 674-687.	9.4	149
71	Genomic Methods Identify Homologous Recombination Deficiency in Pancreas Adenocarcinoma and Optimize Treatment Selection. Clinical Cancer Research, 2020, 26, 3239-3247.	7.0	135
72	Clonal Hematopoiesis and COVID-19 Severity in Cancer Patients. Blood, 2020, 136, 37-38.	1.4	1

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73	Interplay between Chromosomal Alterations and Gene Mutations Shapes the Evolutionary Trajectory of Clonal Hematopoiesis. Blood, 2020, 136, 29-30.	1.4	0
74	Germline Contributions to Clonal Hematopoiesis in Solid Cancer Patients. Blood, 2020, 136, 30-31.	1.4	1
75	Phase II study of trastuzumab with modified docetaxel, cisplatin, and 5 fluorouracil in metastatic HER2-positive gastric cancer. Gastric Cancer, 2019, 22, 355-362.	5.3	11
76	Resistance to TRK inhibition mediated by convergent MAPK pathway activation. Nature Medicine, 2019, 25, 1422-1427.	30.7	144
77	Clinical and Molecular Predictors of Response to Immune Checkpoint Inhibitors in Patients with Advanced Esophagogastric Cancer. Clinical Cancer Research, 2019, 25, 6160-6169.	7.0	73
78	Tumour lineage shapes BRCA-mediated phenotypes. Nature, 2019, 571, 576-579.	27.8	295
79	Genomic Correlates of Disease Progression and Treatment Response in Prospectively Characterized Gliomas. Clinical Cancer Research, 2019, 25, 5537-5547.	7.0	107
80	Analysis of Tumor Genomic Pathway Alterations Using Broad-Panel Next-Generation Sequencing in Surgically Resected Lung Adenocarcinoma. Clinical Cancer Research, 2019, 25, 7475-7484.	7.0	30
81	Genomic and Transcriptomic Characterization of Papillary Microcarcinomas With Lateral Neck Lymph Node Metastases. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4889-4899.	3.6	26
82	PIK3CA and MAP3K1 alterations imply luminal A status and are associated with clinical benefit from pan-PI3K inhibitor buparlisib and letrozole in ER+ metastatic breast cancer. Npj Breast Cancer, 2019, 5, 31.	5.2	31
83	A rectal cancer organoid platform to study individual responses to chemoradiation. Nature Medicine, 2019, 25, 1607-1614.	30.7	320
84	Tracking tumour evolution in glioma through liquid biopsies of cerebrospinal fluid. Nature, 2019, 565, 654-658.	27.8	361
85	DNA methylation-based classification of sinonasal undifferentiated carcinoma. Modern Pathology, 2019, 32, 1447-1459.	5.5	82
86	Rare BRAF mutations in pancreatic neuroendocrine tumors may predict response to RAF and MEK inhibition. PLoS ONE, 2019, 14, e0217399.	2.5	12
87	JAK2/PD-L1/PD-L2 (9p24.1) amplifications in renal cell carcinomas with sarcomatoid transformation: implications for clinical management. Modern Pathology, 2019, 32, 1344-1358.	5.5	49
88	High Yield of RNA Sequencing for Targetable Kinase Fusions in Lung Adenocarcinomas with No Mitogenic Driver Alteration Detected by DNA Sequencing and Low Tumor Mutation Burden. Clinical Cancer Research, 2019, 25, 4712-4722.	7.0	292
89	Genomic landscape of inverted urothelial papilloma and urothelial papilloma of the bladder. Journal of Pathology, 2019, 248, 260-265.	4.5	37
90	The repertoire of genetic alterations in salivary duct carcinoma including a novel HNRNPH3-ALK rearrangement. Human Pathology, 2019, 88, 66-77.	2.0	38

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91	Efficacy of Combined VEGFR1-3, PDGFÎ±/Î², and FGFR1-3 Blockade Using Nintedanib for Esophagogastric Cancer. Clinical Cancer Research, 2019, 25, 3811-3817.	7.0	10
92	Microsatellite Instability Is Associated With the Presence of Lynch Syndrome Pan-Cancer. Journal of Clinical Oncology, 2019, 37, 286-295.	1.6	397
93	Massively parallel sequencing analysis of benign melanocytic naevi. Histopathology, 2019, 75, 29-38.	2.9	12
94	Real-World Outcomes of an Automated Physician Support System for Genome-Driven Oncology. JCO Precision Oncology, 2019, 3, 1-13.	3.0	6
95	Genomic Characterization of ERBB2-Driven Biliary Cancer and a Case of Response to Ado-Trastuzumab Emtansine. JCO Precision Oncology, 2019, 3, 1-9.	3.0	23
96	Understanding Inherited Risk in Unselected Newly Diagnosed Patients With Endometrial Cancer. JCO Precision Oncology, 2019, 3, 1-15.	3.0	7
97	Activating mutations in CSF1R and additional receptor tyrosine kinases in histiocytic neoplasms. Nature Medicine, 2019, 25, 1839-1842.	30.7	122
98	Harnessing Clinical Sequencing Data for Survival Stratification of Patients With Metastatic Lung Adenocarcinomas. JCO Precision Oncology, 2019, 3, 1-9.	3.0	26
99	Immunohistochemical analysis of estrogen receptor in breast cancer with ESR1 mutations detected by hybrid capture-based next-generation sequencing. Modern Pathology, 2019, 32, 81-87.	5.5	10
100	Next-Generation Sequencingâ€“Based Assessment of JAK2, PD-L1, and PD-L2 Copy Number Alterations at 9p24.1 in Breast Cancer. Journal of Molecular Diagnostics, 2019, 21, 307-317.	2.8	19
101	Analysis of the Prevalence of Microsatellite Instability in Prostate Cancer and Response to Immune Checkpoint Blockade. JAMA Oncology, 2019, 5, 471.	7.1	426
102	Phase 1b trial of an ibrutinib-based combination therapy in recurrent/refractory CNS lymphoma. Blood, 2019, 133, 436-445.	1.4	159
103	Binimetinib plus Gemcitabine and Cisplatin Phase I/II Trial in Patients with Advanced Biliary Cancers. Clinical Cancer Research, 2019, 25, 937-945.	7.0	22
104	EGFR and MET Amplifications Determine Response to HER2 Inhibition in ERBB2-Amplified Esophagogastric Cancer. Cancer Discovery, 2019, 9, 199-209.	9.4	115
105	Tumor mutational load predicts survival after immunotherapy across multiple cancer types. Nature Genetics, 2019, 51, 202-206.	21.4	2,702
106	Clonal Relatedness and Mutational Differences between Upper Tract and Bladder Urothelial Carcinoma. Clinical Cancer Research, 2019, 25, 967-976.	7.0	164
107	Prospective Genotyping of Hepatocellular Carcinoma: Clinical Implications of Next-Generation Sequencing for Matching Patients to Targeted and Immune Therapies. Clinical Cancer Research, 2019, 25, 2116-2126.	7.0	390
108	Genomic Differences Between â€œPrimaryâ€•and â€œSecondaryâ€•Muscle-invasive Bladder Cancer as a Basis for Disparate Outcomes to Cisplatin-based Neoadjuvant Chemotherapy. European Urology, 2019, 75, 231-239.	1.9	104

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109	Prognostic Value of TERT Alterations, Mutational and Copy Number Alterations Burden in Urothelial Carcinoma. European Urology Focus, 2019, 5, 201-204.	3.1	30
110	Molecular Diagnostics in Cancer: A Fundamental Component of Precision Oncology. , 2019, , 5-31.		0
111	Annotation of Somatic Genomic Variants in Hematologic Diseases Using OncoKB, a Precision Oncology Knowledgebase. Blood, 2019, 134, 2148-2148.	1.4	3
112	Prospective Evaluation of Germline Alterations in Patients With Exocrine Pancreatic Neoplasms. Journal of the National Cancer Institute, 2018, 110, 1067-1074.	6.3	170
113	The value of cellâ€free DNA for molecular pathology. Journal of Pathology, 2018, 244, 616-627.	4.5	91
114	HER kinase inhibition in patients with HER2- and HER3-mutant cancers. Nature, 2018, 554, 189-194.	27.8	572
115	Accelerating Discovery of Functional Mutant Alleles in Cancer. Cancer Discovery, 2018, 8, 174-183.	9.4	275
116	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. Cancer Cell, 2018, 33, 125-136.e3.	16.8	589
117	The emerging clinical relevance of genomics in cancer medicine. Nature Reviews Clinical Oncology, 2018, 15, 353-365.	27.6	351
118	Concurrent Alterations in EGFR-Mutant Lung Cancers Associated with Resistance to EGFR Kinase Inhibitors and Characterization of MTOR as a Mediator of Resistance. Clinical Cancer Research, 2018, 24, 3108-3118.	7.0	200
119	Effects of Co-occurring Genomic Alterations on Outcomes in Patients withKRAS-Mutant Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2018, 24, 334-340.	7.0	323
120	Small-Cell Carcinomas of the Bladder and Lung Are Characterized by a Convergent but Distinct Pathogenesis. Clinical Cancer Research, 2018, 24, 1965-1973.	7.0	85
121	Patient HLA class I genotype influences cancer response to checkpoint blockade immunotherapy. Science, 2018, 359, 582-587.	12.6	834
122	Genetic Predictors of Response to Systemic Therapy in Esophagogastric Cancer. Cancer Discovery, 2018, 8, 49-58.	9.4	275
123	Real-Time Genomic Characterization of Metastatic Pancreatic Neuroendocrine Tumors Has Prognostic Implications and Identifies Potential Germline Actionability. JCO Precision Oncology, 2018, 2018, 1-18.	3.0	39
124	Alterations in DNA Damage Response and Repair Genes as Potential Marker of Clinical Benefit From PD-1/PD-L1 Blockade in Advanced Urothelial Cancers. Journal of Clinical Oncology, 2018, 36, 1685-1694.	1.6	399
125	Ado-Trastuzumab Emtansine for Patients With HER2-Mutant Lung Cancers: Results From a Phase II Basket Trial. Journal of Clinical Oncology, 2018, 36, 2532-2537.	1.6	381
126	Molecular Determinants of Response to Antiâ€“Programmed Cell Death (PD)-1 and Antiâ€“Programmed Death-Ligand 1 (PD-L1) Blockade in Patients With Nonâ€“Small-Cell Lung Cancer Profiled With Targeted Next-Generation Sequencing. Journal of Clinical Oncology, 2018, 36, 633-641.	1.6	1,109

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127	Multicenter Prospective Phase II Trial of Neoadjuvant Dose-Dense Gemcitabine Plus Cisplatin in Patients With Muscle-Invasive Bladder Cancer. Journal of Clinical Oncology, 2018, 36, 1949-1956.	1.6	110
128	Neratinib is effective in breast tumors bearing both amplification and mutation of ERBB2 (HER2). Science Signaling, 2018, 11, .	3.6	53
129	Widespread Selection for Oncogenic Mutant Allele Imbalance in Cancer. Cancer Cell, 2018, 34, 852-862.e4.	16.8	73
130	Radioactive Iodineâ€“Related Clonal Hematopoiesis in Thyroid Cancer Is Common and Associated With Decreased Survival. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 4216-4223.	3.6	33
131	The Genomic Landscape of Endocrine-Resistant Advanced Breast Cancers. Cancer Cell, 2018, 34, 427-438.e6.	16.8	633
132	Comprehensive Molecular Profiling of Intrahepatic and Extrahepatic Cholangiocarcinomas: Potential Targets for Intervention. Clinical Cancer Research, 2018, 24, 4154-4161.	7.0	348
133	KMT2C mediates the estrogen dependence of breast cancer through regulation of ERÎ± enhancer function. Oncogene, 2018, 37, 4692-4710.	5.9	102
134	Clinical Utility of Prospective Molecular Characterization in Advanced Endometrial Cancer. Clinical Cancer Research, 2018, 24, 5939-5947.	7.0	100
135	Genome doubling shapes the evolution and prognosis of advanced cancers. Nature Genetics, 2018, 50, 1189-1195.	21.4	411
136	Clinical tumour sequencing for precision oncology: time for a universal strategy. Nature Reviews Cancer, 2018, 18, 527-528.	28.4	34
137	Rates of TP53 Mutation are Significantly Elevated in African American Patients with Gastric Cancer. Annals of Surgical Oncology, 2018, 25, 2027-2033.	1.5	19
138	Prevalence of Clonal Hematopoiesis Mutations in Tumor-Only Clinical Genomic Profiling of Solid Tumors. JAMA Oncology, 2018, 4, 1589.	7.1	139
139	Activating Mutations in CSF1R and Additional Receptor Tyrosine Kinases in Sporadic and Familial Histiocytic Neoplasms. Blood, 2018, 132, 49-49.	1.4	10
140	Frequency of actionable cancer predisposing germline mutations in patients with lung cancers.. Journal of Clinical Oncology, 2018, 36, 1504-1504.	1.6	2
141	A Phase Ib Study of Alpelisib (BYL719), a PI3KÎ±-Specific Inhibitor, with Letrozole in ER+/HER2â^' Metastatic Breast Cancer. Clinical Cancer Research, 2017, 23, 26-34.	7.0	268
142	DNA Damage Response and Repair Gene Alterations Are Associated with Improved Survival in Patients with Platinum-Treated Advanced Urothelial Carcinoma. Clinical Cancer Research, 2017, 23, 3610-3618.	7.0	225
143	An Acquired HER2â€ T798I Gatekeeper Mutation Induces Resistance to Neratinib in a Patient with HER2 Mutantâ€“Driven Breast Cancer. Cancer Discovery, 2017, 7, 575-585.	9.4	85
144	Chromosome 20q Amplification Defines a Subtype of Microsatellite Stable, Left-Sided Colon Cancers with Wild-type RAS/RAF and Better Overall Survival. Molecular Cancer Research, 2017, 15, 708-713.	3.4	24

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145	Universal screening for microsatellite instability in colorectal cancer in the clinical genomics era: new recommendations, methods, and considerations. Familial Cancer, 2017, 16, 525-529.	1.9	18
146	Mutational landscape of metastatic cancer revealed from prospective clinical sequencing of 10,000 patients. Nature Medicine, 2017, 23, 703-713.	30.7	2,473
147	Frequent IDH2 R172 mutations in undifferentiated and poorly-differentiated sinonasal carcinomas. Journal of Pathology, 2017, 242, 400-408.	4.5	83
148	Genomic Alterations in Fatal Forms of Non-Anaplastic Thyroid Cancer: Identification of MED12 and RBM10 as Novel Thyroid Cancer Genes Associated with Tumor Virulence. Clinical Cancer Research, 2017, 23, 5970-5980.	7.0	89
149	A Next-Generation TRK Kinase Inhibitor Overcomes Acquired Resistance to Prior TRK Kinase Inhibition in Patients with TRK Fusionâ€“Positive Solid Tumors. Cancer Discovery, 2017, 7, 963-972.	9.4	331
150	Robust patient-derived xenografts of MDS/MPN overlap syndromes capture the unique characteristics of CMML and JMML. Blood, 2017, 130, 397-407.	1.4	112
151	A Phase Ib Open-Label Multicenter Study of AZD4547 in Patients with Advanced Squamous Cell Lung Cancers. Clinical Cancer Research, 2017, 23, 5366-5373.	7.0	109
152	Prospective Comprehensive Molecular Characterization of Lung Adenocarcinomas for Efficient Patient Matching to Approved and Emerging Therapies. Cancer Discovery, 2017, 7, 596-609.	9.4	490
153	Nextâ€generation sequencing of urine specimens: A novel platform for genomic analysis in patients with nonâ€“muscleâ€invasive urothelial carcinoma treated with bacille Calmetteâ€GuÃ©rin. Cancer Cytopathology, 2017, 125, 416-426.	2.4	26
154	Next-Generation Assessment of Human Epidermal Growth Factor Receptor 2 (ERBB2) Amplification Status. Journal of Molecular Diagnostics, 2017, 19, 244-254.	2.8	96
155	Morphological characterization of colorectal cancers in The Cancer Genome Atlas reveals distinct morphologyâ€“molecular associations: clinical and biological implications. Modern Pathology, 2017, 30, 599-609.	5.5	74
156	Mechanisms of Acquired Resistance to BRAF V600E Inhibition in Colon Cancers Converge on RAF Dimerization and Are Sensitive to Its Inhibition. Cancer Research, 2017, 77, 6513-6523.	0.9	58
157	Mutation Detection in Patients With Advanced Cancer by Universal Sequencing of Cancer-Related Genes in Tumor and Normal DNA vs Guideline-Based Germline Testing. JAMA - Journal of the American Medical Association, 2017, 318, 825.	7.4	366
158	The genetic landscape of endometrial clear cell carcinomas. Journal of Pathology, 2017, 243, 230-241.	4.5	168
159	An approach to suppress the evolution of resistance in BRAFV600E-mutant cancer. Nature Medicine, 2017, 23, 929-937.	30.7	146
160	Real-Time Genomic Profiling of Pancreatic Ductal Adenocarcinoma: Potential Actionability and Correlation with Clinical Phenotype. Clinical Cancer Research, 2017, 23, 6094-6100.	7.0	161
161	Therapy-Related Clonal Hematopoiesis in Patients with Non-hematologic Cancers Is Common and Associated with Adverse Clinical Outcomes. Cell Stem Cell, 2017, 21, 374-382.e4.	11.1	578
162	Genomic analysis of hairy cell leukemia identifies novel recurrent genetic alterations. Blood, 2017, 130, 1644-1648.	1.4	82

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163	Pancreatic intraductal tubulopapillary neoplasm is genetically distinct from intraductal papillary mucinous neoplasm and ductal adenocarcinoma. Modern Pathology, 2017, 30, 1760-1772.	5.5	67
164	Intracardiac Low-grade Sarcoma Following Treatment for Ewing Sarcoma. Journal of Pediatric Hematology/Oncology, 2017, 39, e443-e445.	0.6	2
165	Comprehensive detection of germline variants by MSK-IMPACT, a clinical diagnostic platform for solid tumor molecular oncology and concurrent cancer predisposition testing. BMC Medical Genomics, 2017, 10, 33.	1.5	111
166	Genomic Biomarkers of a Randomized Trial Comparing First-line Everolimus and Sunitinib in Patients with Metastatic Renal Cell Carcinoma. European Urology, 2017, 71, 405-414.	1.9	173
167	Clinical and genetic determinants of ovarian metastases from colorectal cancer. Cancer, 2017, 123, 1134-1143.	4.1	43
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