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	Tumor mutational load predicts survival after immunotherapy across multiple cancer types. Nature Genetics, 2019, 51, 202-206.	21.4	2,702
2	Mutational landscape of metastatic cancer revealed from prospective clinical sequencing of 10,000 patients. Nature Medicine, 2017, 23, 703-713.	30.7	2,473
3	Development and validation of a clinical cancer genomic profiling test based on massively parallel DNA sequencing. Nature Biotechnology, 2013, 31, 1023-1031.	17.5	1,785
4	Memorial Sloan Kettering-Integrated Mutation Profiling of Actionable Cancer Targets (MSK-IMPACT). Journal of Molecular Diagnostics, 2015, 17, 251-264.	2.8	1,566
5	OncoKB: A Precision Oncology Knowledge Base. JCO Precision Oncology, 2017, 2017, 1-16.	3.0	1,266
6	Inherited DNA-Repair Gene Mutations in Men with Metastatic Prostate Cancer. New England Journal of Medicine, 2016, 375, 443-453.	27.0	1,205
7	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
8	The genomic complexity of primary human prostate cancer. Nature, 2011, 470, 214-220.	27.8	1,107
9	Dissecting Therapeutic Resistance to RAF Inhibition in Melanoma by Tumor Genomic Profiling. Journal of Clinical Oncology, 2011, 29, 3085-3096.	1.6	890
10	Genomic and transcriptomic hallmarks of poorly differentiated and anaplastic thyroid cancers. Journal of Clinical Investigation, 2016, 126, 1052-1066.	8.2	874
11	Patient HLA class I genotype influences cancer response to checkpoint blockade immunotherapy. Science, 2018, 359, 582-587.	12.6	834
12	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. Cell, 2020, 182, 1044-1061.e18.	28.9	691
13	Genome Sequencing Identifies a Basis for Everolimus Sensitivity. Science, 2012, 338, 221-221.	12.6	681
14	Melanoma genome sequencing reveals frequent PREX2 mutations. Nature, 2012, 485, 502-506.	27.8	671
15	The Genomic Landscape of Endocrine-Resistant Advanced Breast Cancers. Cancer Cell, 2018, 34, 427-438.e6.	16.8	633
16	Cerebrospinal fluid-derived circulating tumour DNA better represents the genomic alterations of brain tumours than plasma. Nature Communications, 2015, 6, 8839.	12.8	605
17	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. Cancer Cell, 2018, 33, 125-136.e3.	16.8	589
18	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

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19	HER kinase inhibition in patients with HER2- and HER3-mutant cancers. Nature, 2018, 554, 189-194.	27.8	572
20	Kinase fusions are frequent in Spitz tumours and spitzoid melanomas. Nature Communications, 2014, 5, 3116.	12.8	521
21	Response to MET Inhibitors in Patients with Stage IV Lung Adenocarcinomas Harboring MET Mutations Causing Exon 14 Skipping. Cancer Discovery, 2015, 5, 842-849.	9.4	514
22	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
23	Convergent loss of PTEN leads to clinical resistance to a PI(3)KÎ± inhibitor. Nature, 2015, 518, 240-244.	27.8	486
24	High-Throughput Detection of Actionable Genomic Alterations in Clinical Tumor Samples by Targeted, Massively Parallel Sequencing. Cancer Discovery, 2012, 2, 82-93.	9.4	484
25	PRC2 is recurrently inactivated through EED or SUZ12 loss in malignant peripheral nerve sheath tumors. Nature Genetics, 2014, 46, 1227-1232.	21.4	472
26	Analysis of the Prevalence of Microsatellite Instability in Prostate Cancer and Response to Immune Checkpoint Blockade. JAMA Oncology, 2019, 5, 471.	7.1	426
27	Genome doubling shapes the evolution and prognosis of advanced cancers. Nature Genetics, 2018, 50, 1189-1195.	21.4	411
28	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
29	Microsatellite Instability Is Associated With the Presence of Lynch Syndrome Pan-Cancer. Journal of Clinical Oncology, 2019, 37, 286-295.	1.6	397
30	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
31	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
32	Cancer therapy shapes the fitness landscape of clonal hematopoiesis. Nature Genetics, 2020, 52, 1219-1226.	21.4	367
33	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
34	Tracking tumour evolution in glioma through liquid biopsies of cerebrospinal fluid. Nature, 2019, 565, 654-658.	27.8	361
35	The emerging clinical relevance of genomics in cancer medicine. Nature Reviews Clinical Oncology, 2018, 15, 353-365.	27.6	351
36	Comprehensive Molecular Profiling of Intrahepatic and Extrahepatic Cholangiocarcinomas: Potential Targets for Intervention. Clinical Cancer Research, 2018, 24, 4154-4161.	7.0	348

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37	Next-Generation Sequencing of Pulmonary Large Cell Neuroendocrine Carcinoma Reveals Small Cell Carcinomaâ€“like and Nonâ€“Small Cell Carcinomaâ€“like Subsets. Clinical Cancer Research, 2016, 22, 3618-3629.	7.0	342
38	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
39	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
40	A rectal cancer organoid platform to study individual responses to chemoradiation. Nature Medicine, 2019, 25, 1607-1614.	30.7	320
41	Evaluating Cancer of the Central Nervous System Through Next-Generation Sequencing of Cerebrospinal Fluid. Journal of Clinical Oncology, 2016, 34, 2404-2415.	1.6	297
42	Tumour lineage shapes BRCA-mediated phenotypes. Nature, 2019, 571, 576-579.	27.8	295
43	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
44	Recurrent SMARCA4 mutations in small cell carcinoma of the ovary. Nature Genetics, 2014, 46, 424-426.	21.4	291
45	Prospective Genomic Profiling of Prostate Cancer Across Disease States Reveals Germline and Somatic Alterations That May Affect Clinical Decision Making. JCO Precision Oncology, 2017, 2017, 1-16.	3.0	286
46	Targeting Mutant BRAF in Relapsed or Refractory Hairy-Cell Leukemia. New England Journal of Medicine, 2015, 373, 1733-1747.	27.0	281
47	PTEN Loss-of-Function Alterations Are Associated With Intrinsic Resistance to BRAF Inhibitors in Metastatic Melanoma. JCO Precision Oncology, 2017, 1, 1-15.	3.0	275
48	Accelerating Discovery of Functional Mutant Alleles in Cancer. Cancer Discovery, 2018, 8, 174-183.	9.4	275
49	Genetic Predictors of Response to Systemic Therapy in Esophagogastric Cancer. Cancer Discovery, 2018, 8, 49-58.	9.4	275
50	Germline Variants in Targeted Tumor Sequencing Using Matched Normal DNA. JAMA Oncology, 2016, 2, 104.	7.1	270
51	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
52	Next-generation Sequencing of Nonmuscle Invasive Bladder Cancer Reveals Potential Biomarkers and Rational Therapeutic Targets. European Urology, 2017, 72, 952-959.	1.9	263
53	Pilot Trial of Combined BRAF and EGFR Inhibition in BRAF-Mutant Metastatic Colorectal Cancer Patients. Clinical Cancer Research, 2015, 21, 1313-1320.	7.0	240
54	AKT Inhibition in Solid Tumors With AKT1 Mutations. Journal of Clinical Oncology, 2017, 35, 2251-2259.	1.6	240

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55	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
56	Genomic characterization of metastatic patterns from prospective clinical sequencing of 25,000 patients. Cell, 2022, 185, 563-575.e11.	28.9	223
57	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
58	Reliable Pan-Cancer Microsatellite Instability Assessment by Using Targeted Next-Generation Sequencing Data. JCO Precision Oncology, 2017, 2017, 1-17.	3.0	209
59	Reliable Detection of Mismatch Repair Deficiency in Colorectal Cancers Using Mutational Load in Next-Generation Sequencing Panels. Journal of Clinical Oncology, 2016, 34, 2141-2147.	1.6	204
60	Genomic Characterization of Upper Tract Urothelial Carcinoma. European Urology, 2015, 68, 970-977.	1.9	202
61	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
62	Alternative transcription initiation leads to expression of a novel ALK isoform in cancer. Nature, 2015, 526, 453-457.	27.8	191
63	The Molecular Landscape of Recurrent and Metastatic Head and Neck Cancers. JAMA Oncology, 2017, 3, 244.	7.1	191
64	Diverse alterations associated with resistance to KRAS(G12C) inhibition. Nature, 2021, 599, 679-683.	27.8	183
65	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
66	Prospective Evaluation of Germline Alterations in Patients With Exocrine Pancreatic Neoplasms. Journal of the National Cancer Institute, 2018, 110, 1067-1074.	6.3	170
67	BRAF Mutation is associated with early stage disease and improved outcome in patients with lowâ€grade serous ovarian cancer. Cancer, 2013, 119, 548-554.	4.1	169
68	The genetic landscape of endometrial clear cell carcinomas. Journal of Pathology, 2017, 243, 230-241.	4.5	168
69	Clonal Relatedness and Mutational Differences between Upper Tract and Bladder Urothelial Carcinoma. Clinical Cancer Research, 2019, 25, 967-976.	7.0	164
70	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
71	Phase 1b trial of an ibrutinib-based combination therapy in recurrent/refractory CNS lymphoma. Blood, 2019, 133, 436-445.	1.4	159
72	GNAS and KRAS Mutations Define Separate Progression Pathways in Intraductal Papillary Mucinous Neoplasm-Associated Carcinoma. Journal of the American College of Surgeons, 2015, 220, 845-854e1.	0.5	154

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73	Comprehensive Molecular Characterization of Salivary Duct Carcinoma Reveals Actionable Targets and Similarity to Apocrine Breast Cancer. Clinical Cancer Research, 2016, 22, 4623-4633.	7.0	153
74	HER2-Mediated Internalization of Cytotoxic Agents inERBB2Amplified or Mutant Lung Cancers. Cancer Discovery, 2020, 10, 674-687.	9.4	149
75	PRADA: pipeline for RNA sequencing data analysis. Bioinformatics, 2014, 30, 2224-2226.	4.1	147
76	Somatic PIK3CA mutations as a driver of sporadic venous malformations. Science Translational Medicine, 2016, 8, 332ra42.	12.4	147
77	Genetic Determinants of Cisplatin Resistance in Patients With Advanced Germ Cell Tumors. Journal of Clinical Oncology, 2016, 34, 4000-4007.	1.6	147
78	An approach to suppress the evolution of resistance in BRAFV600E-mutant cancer. Nature Medicine, 2017, 23, 929-937.	30.7	146
79	Resistance to TRK inhibition mediated by convergent MAPK pathway activation. Nature Medicine, 2019, 25, 1422-1427.	30.7	144
80	Frequent somatic CDH1 loss-of-function mutations in plasmacytoid variant bladder cancer. Nature Genetics, 2016, 48, 356-358.	21.4	143
81	Molecular analysis of aggressive renal cell carcinoma with unclassified histology reveals distinct subsets. Nature Communications, 2016, 7, 13131.	12.8	140
82	Prevalence of Clonal Hematopoiesis Mutations in Tumor-Only Clinical Genomic Profiling of Solid Tumors. JAMA Oncology, 2018, 4, 1589.	7.1	139
83	The association between tumor mutational burden and prognosis is dependent on treatment context. Nature Genetics, 2021, 53, 11-15.	21.4	139
84	Precision medicine at Memorial Sloan Kettering Cancer Center: clinical next-generation sequencing enabling next-generation targeted therapy trials. Drug Discovery Today, 2015, 20, 1422-1428.	6.4	136
85	Genomic Methods Identify Homologous Recombination Deficiency in Pancreas Adenocarcinoma and Optimize Treatment Selection. Clinical Cancer Research, 2020, 26, 3239-3247.	7.0	135
86	Next-Generation Sequencing of Stage IV Squamous Cell Lung Cancers Reveals an Association of PI3K Aberrations and Evidence of Clonal Heterogeneity in Patients with Brain Metastases. Cancer Discovery, 2015, 5, 610-621.	9.4	129
87	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
88	Activating mutations in CSF1R and additional receptor tyrosine kinases in histiocytic neoplasms. Nature Medicine, 2019, 25, 1839-1842.	30.7	122
89	PD-1 Blockade in Advanced Adrenocortical Carcinoma. Journal of Clinical Oncology, 2020, 38, 71-80.	1.6	119
90	EGFR and MET Amplifications Determine Response to HER2 Inhibition in ERBB2-Amplified Esophagogastric Cancer. Cancer Discovery, 2019, 9, 199-209.	9.4	115

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91	Synthetic Lethality in ATM-Deficient RAD50-Mutant Tumors Underlies Outlier Response to Cancer Therapy. Cancer Discovery, 2014, 4, 1014-1021.	9.4	114
92	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
93	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
94	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
95	Improved prediction of immune checkpoint blockade efficacy across multiple cancer types. Nature Biotechnology, 2022, 40, 499-506.	17.5	110
96	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
97	Genomic Correlates of Disease Progression and Treatment Response in Prospectively Characterized Gliomas. Clinical Cancer Research, 2019, 25, 5537-5547.	7.0	107
98	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
99	Targeted massively parallel sequencing of angiosarcomas reveals frequent activation of the mitogen activated protein kinase pathway. Oncotarget, 2015, 6, 36041-36052.	1.8	103
100	Hematopoietic Stem Cell Origin of BRAF V600E Mutations in Hairy Cell Leukemia. Science Translational Medicine, 2014, 6, 238ra71.	12.4	102
101	KMT2C mediates the estrogen dependence of breast cancer through regulation of ERÎ± enhancer function. Oncogene, 2018, 37, 4692-4710.	5.9	102
102	Clinical Utility of Prospective Molecular Characterization in Advanced Endometrial Cancer. Clinical Cancer Research, 2018, 24, 5939-5947.	7.0	100
103	Next-Generation Assessment of Human Epidermal Growth Factor Receptor 2 (ERBB2) Amplification Status. Journal of Molecular Diagnostics, 2017, 19, 244-254.	2.8	96
104	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
105	Alterations in PTEN and ESR1 promote clinical resistance to alpelisib plus aromatase inhibitors. Nature Cancer, 2020, 1, 382-393.	13.2	96
106	Genetic alterations of triple negative breast cancer by targeted next-generation sequencing and correlation with tumor morphology. Modern Pathology, 2016, 29, 476-488.	5.5	95
107	The value of cellâ€free DNA for molecular pathology. Journal of Pathology, 2018, 244, 616-627.	4.5	91
108	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

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109	An Acquired HER2â€ˆT798I Gatekeeper Mutation Induces Resistance to Neratinib in a Patient with HER2 Mutantâ€“Driven Breast Cancer. Cancer Discovery, 2017, 7, 575-585.	9.4	85
110	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
111	Frequent IDH2 R172 mutations in undifferentiated and poorly-differentiated sinonasal carcinomas. Journal of Pathology, 2017, 242, 400-408.	4.5	83
112	Therapeutic Implications of Germline Testing in Patients With Advanced Cancers. Journal of Clinical Oncology, 2021, 39, 2698-2709.	1.6	83
113	The oncocytic subtype is genetically distinct from other pancreatic intraductal papillary mucinous neoplasm subtypes. Modern Pathology, 2016, 29, 1058-1069.	5.5	82
114	Genomic analysis of hairy cell leukemia identifies novel recurrent genetic alterations. Blood, 2017, 130, 1644-1648.	1.4	82
115	DNA methylation-based classification of sinonasal undifferentiated carcinoma. Modern Pathology, 2019, 32, 1447-1459.	5.5	82
116	Clonal hematopoiesis is associated with risk of severe Covid-19. Nature Communications, 2021, 12, 5975.	12.8	81
117	Chromatin profiles classify castration-resistant prostate cancers suggesting therapeutic targets. Science, 2022, 376, .	12.6	75
118	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
119	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
120	Widespread Selection for Oncogenic Mutant Allele Imbalance in Cancer. Cancer Cell, 2018, 34, 852-862.e4.	16.8	73
121	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
122	KRAS and Combined KRAS/TP53 Mutations in Locally Advanced Rectal Cancer are Independently Associated with Decreased Response to Neoadjuvant Therapy. Annals of Surgical Oncology, 2016, 23, 2548-2555.	1.5	70
123	Cutaneous squamous and neuroendocrine carcinoma: genetically and immunohistochemically different from Merkel cell carcinoma. Modern Pathology, 2015, 28, 1023-1032.	5.5	69
124	Phase II Trial and Correlative Genomic Analysis of Everolimus Plus Bevacizumab in Advanced Nonâ€“Clear Cell Renal Cell Carcinoma. Journal of Clinical Oncology, 2016, 34, 3846-3853.	1.6	69
125	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
126	Pancreatic intraductal tubulopapillary neoplasm is genetically distinct from intraductal papillary mucinous neoplasm and ductal adenocarcinoma. Modern Pathology, 2017, 30, 1760-1772.	5.5	67

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127	Development of Genome-Derived Tumor Type Prediction to Inform Clinical Cancer Care. JAMA Oncology, 2020, 6, 84.	7.1	66
128	A Comprehensive Comparison of Early-Onset and Average-Onset Colorectal Cancers. Journal of the National Cancer Institute, 2021, 113, 1683-1692.	6.3	66
129	Interplay between chromosomal alterations and gene mutations shapes the evolutionary trajectory of clonal hematopoiesis. Nature Communications, 2021, 12, 338.	12.8	64
130	Clinical sequencing of soft tissue and bone sarcomas delineates diverse genomic landscapes and potential therapeutic targets. Nature Communications, 2022, 13, .	12.8	63
131	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
132	Detecting Somatic Genetic Alterations in Tumor Specimens by Exon Capture and Massively Parallel Sequencing. Journal of Visualized Experiments, 2013, , e50710.	0.3	61
133	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
134	Cancer Susceptibility Mutations in Patients With Urothelial Malignancies. Journal of Clinical Oncology, 2020, 38, 406-414.	1.6	60
135	Genomic aberrations frequently alter chromatin regulatory genes in chordoma. Genes Chromosomes and Cancer, 2016, 55, 591-600.	2.8	58
136	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
137	Respiratory complex and tissue lineage drive recurrent mutations in tumour mtDNA. Nature Metabolism, 2021, 3, 558-570.	11.9	58
138	A Retrospective Evaluation of Vemurafenib as Treatment for BRAF-Mutant Melanoma Brain Metastases. Oncologist, 2015, 20, 789-797.	3.7	57
139	A phase I trial of the Hedgehog inhibitor, sonidegib (LDE225), in combination with etoposide and cisplatin for the initial treatment of extensive stage small cell lung cancer. Lung Cancer, 2016, 99, 23-30.	2.0	57
140	Neratinib is effective in breast tumors bearing both amplification and mutation of ERBB2 (HER2). Science Signaling, 2018, 11, .	3.6	53
141	A Genomic-Pathologic Annotated Risk Model to Predict Recurrence in Early-Stage Lung Adenocarcinoma. JAMA Surgery, 2021, 156, e205601.	4.3	52
142	Sequencing of 279 cancer genes in ampullary carcinoma reveals trends relating to histologic subtypes and frequent amplification and overexpression of ERBB2 (HER2). Modern Pathology, 2015, 28, 1123-1129.	5.5	51
143	OncoTree: A Cancer Classification System for Precision Oncology. JCO Clinical Cancer Informatics, 2021, 5, 221-230.	2.1	51
144	Genomic characterization of response to chemoradiation in urothelial bladder cancer. Cancer, 2016, 122, 3715-3723.	4.1	50

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145	Integrating Genomics Into Clinical Pediatric Oncology Using the Molecular Tumor Board at the Memorial Sloan Kettering Cancer Center. Pediatric Blood and Cancer, 2016, 63, 1368-1374.	1.5	49
146	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
147	Clinical Tumor Sequencing: Opportunities and Challenges for Precision Cancer Medicine. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2015, , e175-e182.	3.8	47
148	The evolution of RET inhibitor resistance in RET-driven lung and thyroid cancers. Nature Communications, 2022, 13, 1450.	12.8	47
149	Consistent copy number changes and recurrent <scp>PRKAR1A</scp> mutations distinguish <scp>M</scp>elanotic <scp>S</scp>chwannomas from <scp>M</scp>elanomas: <scp>SNP</scp>â€array and next generation sequencing analysis. Genes Chromosomes and Cancer, 2015, 54, 463-471.	2.8	44
150	Alterations in driver genes are predictive of survival in patients with resected pancreatic ductal adenocarcinoma. Cancer, 2020, 126, 3939-3949.	4.1	44
151	The context-specific role of germline pathogenicity in tumorigenesis. Nature Genetics, 2021, 53, 1577-1585.	21.4	44
152	Clinical and genetic determinants of ovarian metastases from colorectal cancer. Cancer, 2017, 123, 1134-1143.	4.1	43
153	The Clinical Management of Clonal Hematopoiesis. Hematology/Oncology Clinics of North America, 2020, 34, 357-367.	2.2	42
154	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
155	Targeted exome sequencing profiles genetic alterations in leiomyosarcoma. Genes Chromosomes and Cancer, 2016, 55, 124-130.	2.8	38
156	The repertoire of genetic alterations in salivary duct carcinoma including a novel HNRNPH3-ALK rearrangement. Human Pathology, 2019, 88, 66-77.	2.0	38
157	Phase II Trial of Sorafenib in Patients with Chemotherapy Refractory Metastatic Esophageal and Gastroesophageal (GE) Junction Cancer. PLoS ONE, 2015, 10, e0134731.	2.5	38
158	Establishing the origin of metastatic deposits in the setting of multiple primary malignancies: The role of massively parallel sequencing. Molecular Oncology, 2014, 8, 150-158.	4.6	37
159	Genomic landscape of inverted urothelial papilloma and urothelial papilloma of the bladder. Journal of Pathology, 2019, 248, 260-265.	4.5	37
160	Genomic Biomarkers for the Prediction of Stage and Prognosis of Upper Tract Urothelial Carcinoma. Journal of Urology, 2016, 195, 1684-1689.	0.4	36
161	Plasma DNA-Based Molecular Diagnosis, Prognostication, and Monitoring of Patients With EWSR1 Fusion-Positive Sarcomas. JCO Precision Oncology, 2017, 2017, 1-11.	3.0	36
162	Fragment Size Analysis May Distinguish Clonal Hematopoiesis from Tumor-Derived Mutations in Cell-Free DNA. Clinical Chemistry, 2020, 66, 616-618.	3.2	35

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163	Clinical tumour sequencing for precision oncology: time for a universal strategy. Nature Reviews Cancer, 2018, 18, 527-528.	28.4	34
164	TRK xDFG Mutations Trigger a Sensitivity Switch from Type I to II Kinase Inhibitors. Cancer Discovery, 2021, 11, 126-141.	9.4	34
165	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
166	Cellâ€free DNA profiling in retinoblastoma patients with advanced intraocular disease: An MSKCC experience. Cancer Medicine, 2020, 9, 6093-6101.	2.8	32
167	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
168	Protein-altering germline mutations implicate novel genes related to lung cancer development. Nature Communications, 2020, 11, 2220.	12.8	31
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170	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
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