

# Mutational landscape of metastatic cancer revealed from of 10,000 patients

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Citation Report

#	ARTICLE	IF	CITATIONS
1	PAM50 Provides Prognostic Information When Applied to the Lymph Node Metastases of Advanced Breast Cancer Patients. <i>Clinical Cancer Research</i> , 2017, 23, 7225-7231.	3.2	17
2	Pan-cancer analysis of bi-allelic alterations in homologous recombination DNA repair genes. <i>Nature Communications</i> , 2017, 8, 857.	5.8	182
3	Clinical and molecular characterization of patients with cancer of unknown primary in the modern era. <i>Annals of Oncology</i> , 2017, 28, 3015-3021.	0.6	79
4	Fusions in solid tumours: diagnostic strategies, targeted therapy, and acquired resistance. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 735-748.	12.5	234
5	Fishing for answers in precision cancer medicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10306-10308.	3.3	17
6	KRAS Alleles: The Devil Is in the Detail. <i>Trends in Cancer</i> , 2017, 3, 686-697.	3.8	257
7	Progress towards molecular patient stratification of hepatocellular carcinoma: Lost in translation?. <i>Journal of Hepatology</i> , 2017, 67, 893-895.	1.8	4
8	Precision Oncology: The Road Ahead. <i>Trends in Molecular Medicine</i> , 2017, 23, 874-898.	3.5	131
9	The Potential and Challenges of Expanded Germline Testing in Clinical Oncology. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 801.	3.8	6
10	Mutation Detection in Patients With Advanced Cancer by Universal Sequencing of Cancer-Related Genes in Tumor and Normal DNA vs Guideline-Based Germline Testing. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 825.	3.8	366
11	The Evolving Genomic Landscape of Barrett's Esophagus and Esophageal Adenocarcinoma. <i>Gastroenterology</i> , 2017, 153, 657-673.e1.	0.6	69
12	Therapy-Related Clonal Hematopoiesis in Patients with Non-hematologic Cancers Is Common and Associated with Adverse Clinical Outcomes. <i>Cell Stem Cell</i> , 2017, 21, 374-382.e4.	5.2	578
13	Genomic analysis of hairy cell leukemia identifies novel recurrent genetic alterations. <i>Blood</i> , 2017, 130, 1644-1648.	0.6	82
14	Development of <i>RET</i> mutant cutaneous angiosarcoma during <i>BRAF</i> inhibitor therapy. <i>Journal of Cutaneous Pathology</i> , 2017, 44, 1053-1056.	0.7	4
15	Genomic Evolution of Breast Cancer Metastasis and Relapse. <i>Cancer Cell</i> , 2017, 32, 169-184.e7.	7.7	534
16	New Views into the Genetic Landscape of Metastatic Breast Cancer. <i>Cancer Cell</i> , 2017, 32, 131-133.	7.7	2
18	Multiplexed in vivo homology-directed repair and tumor barcoding enables parallel quantification of Kras variant oncogenicity. <i>Nature Communications</i> , 2017, 8, 2053.	5.8	78
19	Homologous Recombination Deficiency and Platinum-Based Therapy Outcomes in Advanced Breast Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 7521-7530.	3.2	144

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20	<i>DNAB1</i> PRKACA fusion kinase interacts with $\beta$ -catenin and the liver regenerative response to drive fibrolamellar hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13076-13084.	3.3	125
21	A prescription for cancer diagnostics. Nature Medicine, 2017, 23, 789-789.	15.2	1
22	Preclinical and clinical development of neoantigen vaccines. Annals of Oncology, 2017, 28, xii11-xii17.	0.6	160
23	Comprehensive genomic profiling in routine clinical practice leads to a low rate of benefit from genotype-directed therapy. BMC Cancer, 2017, 17, 602.	1.1	17
25	Response to Entrectinib in Differentiated Thyroid Cancer With a ROS1 Fusion. JCO Precision Oncology, 2017, 1, 1-5.	1.5	11
26	Optimal therapy for patients with hepatocellular carcinoma and resistance or intolerance to sorafenib: challenges and solutions. Journal of Hepatocellular Carcinoma, 2017, Volume 4, 131-138.	1.8	45
27	Molecular determinants of prostate cancer metastasis. Oncotarget, 2017, 8, 88211-88231.	0.8	19
28	A network modeling approach to elucidate drug resistance mechanisms and predict combinatorial drug treatments in breast cancer. Cancer Convergence, 2017, 1, 5.	8.0	50
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30	Reliable Pan-Cancer Microsatellite Instability Assessment by Using Targeted Next-Generation Sequencing Data. JCO Precision Oncology, 2017, 2017, 1-17.	1.5	209
31	OncoKB: A Precision Oncology Knowledge Base. JCO Precision Oncology, 2017, 2017, 1-16.	1.5	1,266
32	Plasma DNA-Based Molecular Diagnosis, Prognostication, and Monitoring of Patients With EWSR1 Fusion-Positive Sarcomas. JCO Precision Oncology, 2017, 2017, 1-11.	1.5	36
33	Successful Targeted Therapy of Refractory Pediatric <i>ETV6-NTRK3</i> Fusion-Positive Secretory Breast Carcinoma. JCO Precision Oncology, 2017, 2017, 1-8.	1.5	31
34	Clinical Use of Precision Oncology Decision Support. JCO Precision Oncology, 2017, 2017, 1-12.	1.5	22
35	Dramatic Response to Crizotinib in a Patient With Lung Cancer Positive for an <i>HLA-DRB1-MET</i> Gene Fusion. JCO Precision Oncology, 2017, 2017, 1-6.	1.5	103
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40	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. <i>Pharmacological Reviews</i> , 2018, 70, 348-383.	7.1	441
41	ESR1 and endocrine therapy resistance: more than just mutations. <i>Annals of Oncology</i> , 2018, 29, 787-789.	0.6	10
42	Late-Onset Cholecystitis with Cholangitis after Avelumab Treatment in Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2018, 13, e34-e36.	0.5	28
43	Personalized cancer therapy leveraging a knowledge base for clinical decision-making. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a001578.	0.5	50
44	Implementation of clinical sequencing in cancer genome medicine in Japan. <i>Cancer Science</i> , 2018, 109, 507-512.	1.7	31
45	Prospective Evaluation of Germline Alterations in Patients With Exocrine Pancreatic Neoplasms. <i>Journal of the National Cancer Institute</i> , 2018, 110, 1067-1074.	3.0	170
46	EGFR-RAD51 Fusion: A Targetable Partnership Originated from the Tumor Evolution?. <i>Journal of Thoracic Oncology</i> , 2018, 13, e33-e34.	0.5	17
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51	PD-L1 expression testing in non-small cell lung cancer. <i>Therapeutic Advances in Medical Oncology</i> , 2018, 10, 175883591876349.	1.4	120
52	Genetic Analysis of 779 Advanced Differentiated and Anaplastic Thyroid Cancers. <i>Clinical Cancer Research</i> , 2018, 24, 3059-3068.	3.2	366
53	Response to ERBB3-Directed Targeted Therapy in NRG1-Rearranged Cancers. <i>Cancer Discovery</i> , 2018, 8, 686-695.	7.7	149
54	Tumor Evolution and Drug Response in Patient-Derived Organoid Models of Bladder Cancer. <i>Cell</i> , 2018, 173, 515-528.e17.	13.5	540
55	Oncogenic Signaling Pathways in The Cancer Genome Atlas. <i>Cell</i> , 2018, 173, 321-337.e10.	13.5	2,111
56	Clinically actionable mutation profiles in patients with cancer identified by whole-genome sequencing. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a002279.	0.5	21

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74	Polymerase epsilon mutations and concomitant $\beta$ 2-microglobulin mutations in cancer. <i>Gene</i> , 2018, 647, 31-38.	1.0	14

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76	EGFR-RAD51 fusion variant in lung adenocarcinoma and response to erlotinib: A case report. <i>Lung Cancer</i> , 2018, 115, 131-134.	0.9	22
77	Accelerating Discovery of Functional Mutant Alleles in Cancer. <i>Cancer Discovery</i> , 2018, 8, 174-183.	7.7	275
78	Dual drive coexistence of <i>EML4-ALK</i> and <i>TPM3-ROS1</i> fusion in advanced lung adenocarcinoma. <i>Thoracic Cancer</i> , 2018, 9, 324-327.	0.8	12
79	Interactive or static reports to guide clinical interpretation of cancer genomics. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 458-464.	2.2	14
80	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2018, 33, 125-136.e3.	7.7	589
81	From somatic variants towards precision oncology: Evidence-driven reporting of treatment options in molecular tumor boards. <i>Genome Medicine</i> , 2018, 10, 18.	3.6	36
82	The impact of phosphatases on proliferative and survival signaling in cancer. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2695-2718.	2.4	27
83	Targeted therapy according to next generation sequencing-based panel sequencing. <i>Fukushima Journal of Medical Sciences</i> , 2018, 64, 9-14.	0.1	17
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87	Simple and Rapid Method to Obtain High-quality Tumor DNA from Clinical-pathological Specimens Using Touch Imprint Cytology. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	3
88	The emerging clinical relevance of genomics in cancer medicine. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 353-365.	12.5	351
89	Sample-Index Misassignment Impacts Tumour Exome Sequencing. <i>Scientific Reports</i> , 2018, 8, 5307.	1.6	17
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92	Classifying BRAF alterations in cancer: new rational therapeutic strategies for actionable mutations. <i>Oncogene</i> , 2018, 37, 3183-3199.	2.6	317

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93	Anaplastic Lymphoma Kinase Mutation ( <i>ALK</i> F1174C) in Small Cell Carcinoma of the Prostate and Molecular Response to Alectinib. <i>Clinical Cancer Research</i> , 2018, 24, 2732-2739.	3.2	30
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96	Tumor origin detection with tissue-specific miRNA and DNA methylation markers. <i>Bioinformatics</i> , 2018, 34, 398-406.	1.8	308
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101	Prostate cancer immunotherapy. <i>Current Opinion in Urology</i> , 2018, 28, 15-24.	0.9	40
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103	Dominant-negative SMARCA4 mutants alter the accessibility landscape of tissue-unrestricted enhancers. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 61-72.	3.6	140
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108	Genetic Predictors of Response to Systemic Therapy in Esophagogastric Cancer. <i>Cancer Discovery</i> , 2018, 8, 49-58.	7.7	275
109	<i>RASA1</i> and <i>NF1</i> are Preferentially Co-Mutated and Define A Distinct Genetic Subset of Smoking-Associated Non-Small Cell Lung Carcinomas Sensitive to MEK Inhibition. <i>Clinical Cancer Research</i> , 2018, 24, 1436-1447.	3.2	56
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112	Clinicopathologic Features of Non-Small-Cell Lung Cancer Harboring an <i>NTRK</i> Gene Fusion. JCO Precision Oncology, 2018, 2018, 1-12.	1.5	112
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118	Artificial Intelligence Approach for Variant Reporting. JCO Clinical Cancer Informatics, 2018, 2, 1-13.	1.0	13
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120	Incorporating Genomics Into the Care of Patients With Advanced Breast Cancer. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2018, 38, 56-64.	1.8	5
121	Assessing the Value of Next-Generation Sequencing Tests in a Dynamic Environment. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2018, 38, 139-146.	1.8	10
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127	Implementing tumor mutational burden (TMB) analysis in routine diagnostics—a primer for molecular pathologists and clinicians. Translational Lung Cancer Research, 2018, 7, 703-715.	1.3	152
128	The ins and outs of telomere crisis in cancer. Genome Medicine, 2018, 10, 89.	3.6	10



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130	High-throughput binding affinity calculations at extreme scales. <i>BMC Bioinformatics</i> , 2018, 19, 482.	1.2	14
131	TQuest, A Web-Based Platform to Enable Precision Medicine by Linking a Tumor's Genetic Defects to Therapeutic Options. <i>JCO Clinical Cancer Informatics</i> , 2018, 2, 1-13.	1.0	1
132	Entrectinib in <i>TRK</i> and <i>ROS1</i> Fusion-Positive Metastatic Pancreatic Cancer. <i>JCO Precision Oncology</i> , 2018, 2, 1-7.	1.5	32
133	Entrectinib in Two Pediatric Patients With Inflammatory Myofibroblastic Tumors Harboring <i>ROS1</i> or <i>ALK</i> Gene Fusions. <i>JCO Precision Oncology</i> , 2018, 2, 1-6.	1.5	11
134	<i>ALK</i> Fusions in Renal Cell Carcinoma: Response to Entrectinib. <i>JCO Precision Oncology</i> , 2018, 2, 1-8.	1.5	16
135	Systematic identification of mutations and copy number alterations associated with cancer patient prognosis. <i>ELife</i> , 2018, 7, .	2.8	126
136	Roche splashes \$2.4 billion on Foundation Medicine's cancer platform. <i>Nature Biotechnology</i> , 2018, 36, 779-780.	9.4	3
137	Aggressive-Variant Microsatellite-Stable POLE Mutant Prostate Cancer With High Mutation Burden and Durable Response to Immune Checkpoint Inhibitor Therapy. <i>JCO Precision Oncology</i> , 2018, 2, 1-8.	1.5	9
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140	NOXA genetic amplification or pharmacologic induction primes lymphoma cells to BCL2 inhibitor-induced cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12034-12039.	3.3	41
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142	Precision oncology: separating the wheat from the chaff. <i>ESMO Open</i> , 2018, 3, e000446.	2.0	37
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145	Advances in Next-Generation Sequencing Bioinformatics for Clinical Diagnostics. <i>Advances in Molecular Pathology</i> , 2018, 1, 149-166.	0.2	4
146	How the <i>BRAF</i> V600E Mutation Defines a Distinct Subgroup of Colorectal Cancer: Molecular and Clinical Implications. <i>Gastroenterology Research and Practice</i> , 2018, 2018, 1-14.	0.7	34

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149	Prime time for immunotherapy in advanced urothelial cancer. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2018, 14, 24-32.	0.7	2
150	Loss of the FAT1 Tumor Suppressor Promotes Resistance to CDK4/6 Inhibitors via the Hippo Pathway. <i>Cancer Cell</i> , 2018, 34, 893-905.e8.	7.7	307
151	Marked Response of a Hypermutated ACTH-Secreting Pituitary Carcinoma to Ipilimumab and Nivolumab. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3925-3930.	1.8	106
152	Clinical cancer genomic profiling by three-platform sequencing of whole genome, whole exome and transcriptome. <i>Nature Communications</i> , 2018, 9, 3962.	5.8	142
153	Pharmacogenomic landscape of patient-derived tumor cells informs precision oncology therapy. <i>Nature Genetics</i> , 2018, 50, 1399-1411.	9.4	145
154	Exome scale map of genetic alterations promoting metastasis in colorectal cancer. <i>BMC Genetics</i> , 2018, 19, 85.	2.7	22
155	Durable response to anti-PD-1 immunotherapy in epithelioid angiomyolipoma: a report on the successful treatment of a rare malignancy. , 2018, 6, 97.		19
156	Neratinib is effective in breast tumors bearing both amplification and mutation of ERBB2 (HER2). <i>Science Signaling</i> , 2018, 11, .	1.6	53
157	Loss of Notch1 predisposes oro-esophageal epithelium to tumorigenesis. <i>Experimental Cell Research</i> , 2018, 372, 129-140.	1.2	20
158	Typing tumors using pathways selected by somatic evolution. <i>Nature Communications</i> , 2018, 9, 4159.	5.8	19
159	Combination immuno-oncology therapy with immune checkpoint blockers targeting PD-L1, PD-1 or CTLA4 and epigenetic drugs targeting MYC and immune evasion for precision medicine. <i>Journal of Thoracic Disease</i> , 2018, 10, 1294-1299.	0.6	4
160	Structural snapshots of RAF kinase interactions. <i>Biochemical Society Transactions</i> , 2018, 46, 1393-1406.	1.6	28
161	Isoform Switching as a Mechanism of Acquired Resistance to Mutant Isocitrate Dehydrogenase Inhibition. <i>Cancer Discovery</i> , 2018, 8, 1540-1547.	7.7	138
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1119	The genomic and immunologic profiles of pure pulmonary sarcomatoid carcinoma in Chinese patients. <i>Lung Cancer</i> , 2021, 153, 66-72.	0.9	24
1120	Therapeutic targeting of FOS in mutant <i>TERT</i> cancers through removing TERT suppression of apoptosis via regulating <i>survivin</i> and <i>TRAIL-R2</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
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1133	The RIT1 C-terminus associates with lipid bilayers via charge complementarity. <i>Computational Biology and Chemistry</i> , 2021, 91, 107437.	1.1	6
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#	ARTICLE	IF	CITATIONS
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1146	Genomic profile of advanced breast cancer in circulating tumour DNA. <i>Nature Communications</i> , 2021, 12, 2423.	5.8	54
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#	ARTICLE	IF	CITATIONS
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1165	Genetics and Mutational Landscape of Ovarian Sex Cord-Stromal Tumors. , 0, , .		1
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1220	Detection of actionable mutations in archived cytological bile specimens. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2021, 28, 837-847.	1.4	8
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1223	Immunogenomics in personalized cancer treatments. <i>Journal of Human Genetics</i> , 2021, 66, 901-907.	1.1	10
1224	Tumor Mutation Burden Predicts Relapse in Papillary Thyroid Carcinoma With Changes in Genes and Immune Microenvironment. <i>Frontiers in Endocrinology</i> , 2021, 12, 674616.	1.5	9
1225	A Novel KIF5B-EGFR Fusion Variant in Non-Small-Cell Lung Cancer and Response to Afatinib: A Case Report. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 3739-3744.	1.0	6
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1230	<i>CDKN2A</i> Alterations and Response to Immunotherapy in Solid Tumors. <i>Clinical Cancer Research</i> , 2021, 27, 4025-4035.	3.2	51
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1234	Insights of fibroblast growth factor receptor 3 aberrations in pan-cancer and their roles in potential clinical treatment. <i>Aging</i> , 2021, 13, 16541-16566.	1.4	3
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#	ARTICLE	IF	CITATIONS
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1241	Enhanced specificity of clinical high-sensitivity tumor mutation profiling in cell-free DNA via paired normal sequencing using MSK-ACCESS. <i>Nature Communications</i> , 2021, 12, 3770.	5.8	68
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#	ARTICLE	IF	CITATIONS
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1264	Prediction and characterization of diffuse large B-cell lymphoma cell-of-origin subtypes using targeted sequencing. <i>Future Oncology</i> , 2021, 17, 4171-4183.	1.1	3
1265	Tumor Promoting Effect of BMP Signaling in Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7882.	1.8	14
1266	Technological readiness and implementation of genomicâ€driven precision medicine for complex diseases. <i>Journal of Internal Medicine</i> , 2021, 290, 602-620.	2.7	18
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#	ARTICLE	IF	CITATIONS
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1450	Oncologist uptake of comprehensive genomic profile guided targeted therapy. <i>Oncotarget</i> , 2019, 10, 4616-4629.	0.8	13
1451	Development and analytical validation of a next-generation sequencing based microsatellite instability (MSI) assay. <i>Oncotarget</i> , 2019, 10, 5181-5193.	0.8	15
1452	Does breast carcinoma belong to the Lynch syndrome tumor spectrum? â€œ Somatic mutational profiles vs. ovarian and colorectal carcinomas. <i>Oncotarget</i> , 2020, 11, 1244-1256.	0.8	11
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1457	The Function of RAS Mutation in Cancer and Advances in its Drug Research. <i>Current Pharmaceutical Design</i> , 2019, 25, 1105-1114.	0.9	53
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1464	When Molecular-Targeted Agents Meet Immunotherapy: The Opportunities for Soft Tissue Sarcoma. <i>Journal of Immunotherapy and Precision Oncology</i> , 2020, 3, 69-82.	0.6	2
1465	Role of liver biopsy in hepatocellular carcinoma. <i>World Journal of Gastroenterology</i> , 2019, 25, 6041-6052.	1.4	92
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1471	Landscape of Actionable Genetic Alterations Profiled from 1,071 Tumor Samples in Korean Cancer Patients. <i>Cancer Research and Treatment</i> , 2019, 51, 211-222.	1.3	12
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1473	Holistic cancer genome profiling for every patient. <i>Swiss Medical Weekly</i> , 2020, 150, w20158.	0.8	5
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1487	Tumor Suppressor FBXW7 and Its Regulation of DNA Damage Response and Repair. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 751574.	1.8	11
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1571	Comparative mutational analysis of distal colon cancer with rectal cancer. <i>Oncology Letters</i> , 2020, 19, 1781-1788.	0.8	2
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1603	The GA4GH Variation Representation Specification: A computational framework for variation representation and federated identification. <i>Cell Genomics</i> , 2021, 1, 100027.	3.0	18
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1610	Machine learning-based prediction of drug and ligand binding in BCL-2 variants through molecular dynamics. <i>Computers in Biology and Medicine</i> , 2022, 140, 105060.	3.9	8
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1619	Genomic Medicine in Central Nervous System Tumors. <i>Juntendo Medical Journal</i> , 2021, 67, 547-552.	0.1	0
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1629	Proteasome regulators in pancreatic cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2022, 14, 38-54.	0.8	4
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1858	Distribution and favorable prognostic implication of genomic <i>EGFR</i> alterations in <i>IDH</i> wildtype glioblastoma. <i>Cancer Medicine</i> , 2023, 12, 49-60.	1.3	7
1859	Clinical sequencing of soft tissue and bone sarcomas delineates diverse genomic landscapes and potential therapeutic targets. <i>Nature Communications</i> , 2022, 13, .	5.8	63
1860	Molecular Subgroups of Intrahepatic Cholangiocarcinoma Discovered by Single-Cell RNA Sequencing-Assisted Multiomics Analysis. <i>Cancer Immunology Research</i> , 2022, 10, 811-828.	1.6	21
1861	Whole-genome and transcriptome analysis enhances precision cancer treatment options. <i>Annals of Oncology</i> , 2022, 33, 939-949.	0.6	36
1862	Breast Cancer Genomics: Primary and Most Common Metastases. <i>Cancers</i> , 2022, 14, 3046.	1.7	3
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1872	Hypermutation as a potential predictive biomarker of immunotherapy efficacy in high-grade gliomas: a broken dream?. <i>Immunotherapy</i> , 0, , .	1.0	3
1873	Epigenetic Mechanisms Influencing Therapeutic Response in Breast Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
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1875	Clinical significance of chromosomal integrity in gastric cancers. <i>International Journal of Biological Markers</i> , 0, , 039361552211062.	0.7	1
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1879	Alterations in Somatic Driver Genes Are Associated with Response to Neoadjuvant FOLFIRINOX in Patients with Localized Pancreatic Ductal Adenocarcinoma. <i>Journal of the American College of Surgeons</i> , 2022, 235, 342-349.	0.2	7
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1891	Functional Drug Screening in the Era of Precision Medicine. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	5
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1893	The Multi-Dimensional Biomarker Landscape in Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7839.	1.8	13
1894	Endometrial polyps are non-neoplastic but harbor epithelial mutations in endometrial cancer drivers at low allelic frequencies. <i>Modern Pathology</i> , 2022, 35, 1702-1712.	2.9	8
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1906	Real-world application of next-generation sequencing-based test for surgically resectable colorectal cancer in clinical practice. <i>Future Oncology</i> , 2022, 18, 2701-2711.	1.1	0
1907	Accelerating drug development in breast cancer: New frontiers for ER inhibition. <i>Cancer Treatment Reviews</i> , 2022, 109, 102432.	3.4	28
1908	Chromosomal instability in cancers of unknown primary. <i>European Journal of Cancer</i> , 2022, 172, 323-325.	1.3	7
1909	A 25-gene panel predicting the benefits of immunotherapy in head and neck squamous cell carcinoma. <i>International Immunopharmacology</i> , 2022, 110, 108846.	1.7	4
1911	Expert panel consensus recommendations on the use of circulating tumor <scp>DNA</scp> assays for patients with advanced solid tumors. <i>Cancer Science</i> , 2022, 113, 3646-3656.	1.7	5
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1914	Microsatellite Instabilityâ€“High Endometrial Cancers with <i>MLH1</i> Promoter Hypermethylation Have Distinct Molecular and Clinical Profiles. <i>Clinical Cancer Research</i> , 2022, 28, 4302-4311.	3.2	14
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1922	NRF2-pathway mutations predict radioresistance in non-small cell lung cancer. <i>Translational Lung Cancer Research</i> , 2022, 11, 1510-1513.	1.3	2
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1925	Prospective Clinical Genomic Profiling of Ewing Sarcoma: <i>ERF</i> and <i>FGFR1</i> Mutations as Recurrent Secondary Alterations of Potential Biologic and Therapeutic Relevance. <i>JCO Precision Oncology</i> , 2022, , .	1.5	2
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1930	p73 isoforms meet evolution of metastasis. <i>Cancer and Metastasis Reviews</i> , 2022, 41, 853-869.	2.7	6
1931	Comprehensive characterization of clonality of driver genes revealing their clinical relevance in colorectal cancer. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	5
1932	Genomic and transcriptomic determinants of response to neoadjuvant therapy in rectal cancer. <i>Nature Medicine</i> , 2022, 28, 1646-1655.	15.2	42
1933	Analytical Principles of Cancer Next Generation Sequencing. <i>Clinics in Laboratory Medicine</i> , 2022, 42, 395-408.	0.7	3
1934	A cross-sectional study of the FDA approved indications and supporting pivotal trials of small-molecular kinase inhibitors in cancer therapies with the biomarker of cancer driver gene. <i>International Journal of Cancer</i> , 0, , .	2.3	1
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1936	Diagnostic yield and clinical relevance of expanded genetic testing for cancer patients. <i>Genome Medicine</i> , 2022, 14, .	3.6	11
1937	Germline Testing for the Evaluation of Hereditary Cancer Predisposition. <i>Clinics in Laboratory Medicine</i> , 2022, 42, 497-506.	0.7	0
1940	Chromosomal instability in adult-type diffuse gliomas. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	2.4	7
1941	Case Report: Efficacy of ensartinib treatment in pulmonary inflammatory myofibroblastic tumor with a rare GCC2-ALK fusion. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	4
1943	Targeting KRAS mutant cancers: from druggable therapy to drug resistance. <i>Molecular Cancer</i> , 2022, 21, .	7.9	55
1945	Landscape of mutations in early stage primary cutaneous melanoma: An <i>InterMEL</i> study. <i>Pigment Cell and Melanoma Research</i> , 2022, 35, 605-612.	1.5	8
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1948	Hereditary leiomyomatosis and renal cell cancer: a case report. <i>Onkourologiya</i> , 2022, 18, 211-216.	0.1	0
1949	PRECISION: the Belgian molecular profiling program of metastatic cancer for clinical decision and treatment assignment. <i>ESMO Open</i> , 2022, 7, 100524.	2.0	3
1950	The current state of the art and future trends in RAS-targeted cancer therapies. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 637-655.	12.5	125
1951	Precision oncology for RET-related tumors. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	11
1952	Activating IGF1R hotspot non-frameshift insertions define a novel, potentially targetable molecular subtype of adenoid cystic carcinoma. <i>Modern Pathology</i> , 0, , .	2.9	1
1953	Classical epithelial-mesenchymal transition (EMT) and alternative cell death process-driven blebbistatin-resistant (BMW) pathways to cancer metastasis. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	21
1954	Genetic alterations of Keap1 confers chemotherapeutic resistance through functional activation of Nrf2 and Notch pathway in head and neck squamous cell carcinoma. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	9
1955	Integrated driver mutations profile of chinese gastrointestinal-natural killer/T-cell lymphoma. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
1956	Local Therapy for Oligoprogression or Consolidation in High Mutational Burden Stage 4 Colorectal Cancer Treated With PD-1 or PD-L1 Blockade. <i>Annals of Surgical Oncology</i> , 2022, 29, 8373-8382.	0.7	2
1957	Ovarian clear cell carcinoma. , 2023, , 55-76.		0
1958	Conserved features of TERT promoter duplications reveal an activation mechanism that mimics hotspot mutations in cancer. <i>Nature Communications</i> , 2022, 13, .	5.8	7
1959	AST-487 Inhibits RET Kinase Driven TERT Expression in Bladder Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10819.	1.8	0
1960	Thyroid Oncocytic (Hürthle Cell) Nodules With Longitudinal Nuclear Grooves. <i>Archives of Pathology and Laboratory Medicine</i> , 2022, , .	1.2	0
1961	Clinical value of next-generation sequencing in guiding decisions regarding endocrine therapy for advanced HR-positive/HER-2-negative breast cancer. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2022, 34, 343-352.	0.7	2
1962	Molecular and Genetic Profiling for the Diagnosis and Therapy of Hepatobiliary and Pancreatic Malignancies. , 2022, , 747-759.		0
1963	Clinical characteristics and treatment outcomes of non-V600 E/K BRAF mutant melanoma patients: a single-institution experience. <i>Melanoma Research</i> , 2022, 32, 477-484.	0.6	2
1964	Multimodal integration of radiology, pathology and genomics for prediction of response to PD-(L)1 blockade in patients with non-small cell lung cancer. <i>Nature Cancer</i> , 2022, 3, 1151-1164.	5.7	79

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1967	GABP couples oncogene signaling to telomere regulation in TERT promoter mutant cancer. <i>Cell Reports</i> , 2022, 40, 111344.	2.9	9
1968	Clinico-genomic Characterization of <i>ATM</i> and HRD in Pancreas Cancer: Application for Practice. <i>Clinical Cancer Research</i> , 2022, 28, 4782-4792.	3.2	11
1969	Primary cutaneous SMARCA4-deficient undifferentiated malignant neoplasm: first two cases with clinicopathologic and molecular comparison to eight visceral counterparts. <i>Modern Pathology</i> , 2022, 35, 1821-1828.	2.9	3
1970	Biomarkers for immune checkpoint inhibitors in solid tumors. <i>Clinical and Translational Oncology</i> , 2023, 25, 126-136.	1.2	3
1971	Optimizing Insertion and Deletion Detection Using Next-Generation Sequencing in the Clinical Laboratory. <i>Journal of Molecular Diagnostics</i> , 2022, 24, 1217-1231.	1.2	6
1972	The Role of Biomarkers in the Management of Colorectal Liver Metastases. <i>Cancers</i> , 2022, 14, 4602.	1.7	5
1973	Aurora Kinases as Therapeutic Targets in Head and Neck Cancer. <i>Cancer Journal (Sudbury, Mass )</i> , 2022, 28, 387-400.	1.0	2
1974	Non-small cell lung carcinomas with diffuse coexpression of <i>TTF1</i> and p40: clinicopathological and genomic features of 14 rare biphenotypic tumours. <i>Histopathology</i> , 2023, 82, 242-253.	1.6	4
1975	Clinical utility of comprehensive genomic profiling tests for advanced or metastatic solid tumor in clinical practice. <i>Cancer Science</i> , 2022, 113, 4300-4310.	1.7	12
1976	Combination of Tumor Mutational Burden and DNA Damage Repair Gene Mutations with Stromal/Immune Scores Improved Prognosis Stratification in Patients with Lung Adenocarcinoma. <i>Journal of Oncology</i> , 2022, 2022, 1-12.	0.6	2
1977	Analysis of BRCA2 Copy Number Loss and Genomic Instability in Circulating Tumor Cells from Patients with Metastatic Castration-resistant Prostate Cancer. <i>European Urology</i> , 2023, 83, 112-120.	0.9	6
1978	Big data in basic and translational cancer research. <i>Nature Reviews Cancer</i> , 2022, 22, 625-639.	12.8	67
1979	Rational development of combination therapies for biliary tract cancers. <i>Journal of Hepatology</i> , 2023, 78, 217-228.	1.8	15
1980	ARID1A mutations confer intrinsic and acquired resistance to cetuximab treatment in colorectal cancer. <i>Nature Communications</i> , 2022, 13, .	5.8	9
1981	APOBEC mutagenesis, kataegis, chromothripsis in EGFR-mutant osimertinib-resistant lung adenocarcinomas. <i>Annals of Oncology</i> , 2022, 33, 1284-1295.	0.6	22
1982	RB1-deficient squamous cell carcinoma: the proposed source of combined Merkel cell carcinoma. <i>Modern Pathology</i> , 2022, 35, 1829-1836.	2.9	9
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1985	MatchMiner: an open-source platform for cancer precision medicine. <i>Npj Precision Oncology</i> , 2022, 6, .	2.3	8
1987	Genome engineering for estrogen receptor mutations reveals differential responses to anti-estrogens and new prognostic gene signatures for breast cancer. <i>Oncogene</i> , 2022, 41, 4905-4915.	2.6	9
1991	Introduction of Tochigi Cancer Biobank established with the aim of developing novel diagnostic and therapeutic methods for cancer. <i>Denki Eido</i> , 2022, 66, 27-30.	0.0	0
1992	Primary Intracranial Spindle Cell Sarcoma, <i>DICER1</i> -Mutant, with <i>MDM2</i> Amplification Diagnosed on the Basis of Extensive Molecular Profiling. <i>Clinical Medicine Insights: Case Reports</i> , 2022, 15, 117954762211311.	0.3	3
1993	Prinzipien der zellulären Tumorgenese und -progression. , 2022, , 835-849.		0
1998	Machine Learning Techniques in Predicting BRAF Mutation Status in Cutaneous Melanoma From Clinical and Histopathologic Features. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2022, 30, 674-680.	0.6	3
1999	APOBEC Mutational Signatures in Hormone Receptor–Positive Human Epidermal Growth Factor Receptor 2–Negative Breast Cancers Are Associated With Poor Outcomes on CDK4/6 Inhibitors and Endocrine Therapy. <i>JCO Precision Oncology</i> , 2022, , .	1.5	6
2000	Patient Selection Approaches in FGFR Inhibitor Trials—Many Paths to the Same End?. <i>Cells</i> , 2022, 11, 3180.	1.8	8
2001	Cervical Pleuropulmonary Blastoma-like Tumor Associated With <i>DICER1</i> and <i>TP53</i> Mutations. <i>International Journal of Gynecological Pathology</i> , 0, Publish Ahead of Print, .	0.9	0
2002	Sensitivities and Dependencies of BRAF Mutant Colorectal Cancer Cell Lines with or without <i>PIK3CA</i> Mutations for Discovery of Vulnerabilities with Therapeutic Potential. <i>Medicina (Lithuania)</i> , 2022, 58, 1498.	0.8	3
2003	Comprehensive Molecular Characterization of Gallbladder Carcinoma and Potential Targets for Intervention. <i>Clinical Cancer Research</i> , 2022, 28, 5359-5367.	3.2	5
2005	Gastric-type adenocarcinoma of the cervix: Clinical outcomes and genomic drivers. <i>Gynecologic Oncology</i> , 2022, 167, 458-466.	0.6	7
2007	Genomic characteristics of two breast malignant phyllodes tumors during pregnancy and lactation identified through whole-exome sequencing. <i>Orphanet Journal of Rare Diseases</i> , 2022, 17, .	1.2	1
2008	Risk Stratification of Stage I Grade 3 Endometrioid Endometrial Carcinoma in the Era of Molecular Classification. <i>JCO Precision Oncology</i> , 2022, , .	1.5	2
2009	Experimental study of camptothecin combined with drug-eluting bead transarterial chemoembolization in the rabbit VX2 liver tumor model. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
2011	CREAMMIST: an integrative probabilistic database for cancer drug response prediction. <i>Nucleic Acids Research</i> , 2023, 51, D1242-D1248.	6.5	5
2012	Germline <i>SMARCA4</i> Deletion as a Driver of Uterine Cancer: An Atypical Presentation. <i>JCO Precision Oncology</i> , 2022, , .	1.5	1

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2014	Drugging KRAS: current perspectives and state-of-art review. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	34
2015	Circulating tumor DNA detection in MRD assessment and diagnosis and treatment of non-small cell lung cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	4
2017	Selective advantage of epigenetically disrupted cancer cells via phenotypic inertia. <i>Cancer Cell</i> , 2023, 41, 70-87.e14.	7.7	18
2018	SMO mutation predicts the effect of immune checkpoint inhibitor: From NSCLC to multiple cancers. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
2019	FOXA1 repression drives lineage plasticity and immune heterogeneity in bladder cancers with squamous differentiation. <i>Nature Communications</i> , 2022, 13, .	5.8	11
2020	<i>KIT</i> genetic alterations in breast cancer. <i>Journal of Clinical Pathology</i> , 2024, 77, 40-45.	1.0	1
2021	Novel GO/LiCr2O4 nanocomposite synthesis, characterizations and electrode testing for electrochemical applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 287, 116118.	1.7	9
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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