

Anamaria Aranha Camargo

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

6,390
citations

94381

37
h-index

71651

76
g-index

131
all docs

131
docs citations

131
times ranked

11947
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome sequence of the plant pathogen <i>Xylella fastidiosa</i> . <i>Nature</i> , 2000, 406, 151-157.	13.7	827
2	Global DNA hypomethylation coupled to repressive chromatin domain formation and gene silencing in breast cancer. <i>Genome Research</i> , 2012, 22, 246-258.	2.4	476
3	Mitochondria as a Source of Reactive Oxygen and Nitrogen Species: From Molecular Mechanisms to Human Health. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2029-2074.	2.5	344
4	CTdatabase: a knowledge-base of high-throughput and curated data on cancer-testis antigens. <i>Nucleic Acids Research</i> , 2009, 37, D816-D819.	6.5	338
5	Swine and Poultry Pathogens: the Complete Genome Sequences of Two Strains of <i>Mycoplasma hyopneumoniae</i> and a Strain of <i>Mycoplasma synoviae</i> . <i>Journal of Bacteriology</i> , 2005, 187, 5568-5577.	1.0	289
6	Collagen XVIII, containing an endogenous inhibitor of angiogenesis and tumor growth, plays a critical role in the maintenance of retinal structure and in neural tube closure (Knobloch syndrome). <i>Human Molecular Genetics</i> , 2000, 9, 2051-2058.	1.4	259
7	The complete genome sequence of <i>Chromobacterium violaceum</i> reveals remarkable and exploitable bacterial adaptability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11660-11665.	3.3	251
8	High-throughput SELEX+SAGE method for quantitative modeling of transcription-factor binding sites. <i>Nature Biotechnology</i> , 2002, 20, 831-835.	9.4	198
9	Comprehensive cancer-gene panels can be used to estimate mutational load and predict clinical benefit to PD-1 blockade in clinical practice. <i>Oncotarget</i> , 2015, 6, 34221-34227.	0.8	198
10	Maternal embryonic leucine zipper kinase transcript abundance correlates with malignancy grade in human astrocytomas. <i>International Journal of Cancer</i> , 2008, 122, 807-815.	2.3	128
11	Tissue-Associated Bacterial Alterations in Rectal Carcinoma Patients Revealed by 16S rRNA Community Profiling. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 179.	1.8	125
12	The contribution of 700,000 ORF sequence tags to the definition of the human transcriptome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12103-12108.	3.3	123
13	Bioinformatics construction of the human cell surfaceome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16752-16757.	3.3	119
14	Random X Inactivation and Extensive Mosaicism in Human Placenta Revealed by Analysis of Allele-Specific Gene Expression along the X Chromosome. <i>PLoS ONE</i> , 2010, 5, e10947.	1.1	113
15	The generation and utilization of a cancer-oriented representation of the human transcriptome by using expressed sequence tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13418-13423.	3.3	105
16	Approaching a complete repository of sequence-verified protein-encoding clones for <i>Saccharomyces cerevisiae</i> . <i>Genome Research</i> , 2007, 17, 536-543.	2.4	99
17	Gene Copy-Number Polymorphism Caused by Retrotransposition in Humans. <i>PLoS Genetics</i> , 2013, 9, e1003242.	1.5	88
18	Correlation of MGMT promoter methylation status with gene and protein expression levels in glioblastoma. <i>Clinics</i> , 2011, 66, 1747-1755.	0.6	84

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19	Facilitating a culture of responsible and effective sharing of cancer genome data. <i>Nature Medicine</i> , 2016, 22, 464-471.	15.2	83
20	Methylation profile of genes CDKN2A (p14 and p16), DAPK1, CDH1, and ADAM23 in head and neck cancer. <i>Cancer Genetics and Cytogenetics</i> , 2007, 173, 31-37.	1.0	81
21	Long-Range Heterogeneity at the 3' Ends of Human mRNAs. <i>Genome Research</i> , 2002, 12, 1068-1074.	2.4	71
22	Identification of human chromosome 22 transcribed sequences with ORF expressed sequence tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12690-12693.	3.3	70
23	Epigenetic Silencing of CRABP2 and MX1 in Head and Neck Tumors. <i>Neoplasia</i> , 2009, 11, 1329-IN9.	2.3	70
24	Epigenetic silencing of the adhesion molecule ADAM23 is highly frequent in breast tumors. <i>Oncogene</i> , 2004, 23, 1481-1488.	2.6	68
25	Colorectal Cancer "Methylator Phenotype": Fact or Artifact?. <i>Neoplasia</i> , 2005, 7, 331-335.	2.3	63
26	Sequential liquid biopsies reveal dynamic alterations of EGFR driver mutations and indicate EGFR amplification as a new mechanism of resistance to osimertinib in NSCLC. <i>Lung Cancer</i> , 2017, 108, 238-241.	0.9	62
27	Simultaneous CXCL12 and ESR1 CpG island hypermethylation correlates with poor prognosis in sporadic breast cancer. <i>BMC Cancer</i> , 2010, 10, 23.	1.1	59
28	Overexpression of miR-21-5p as a predictive marker for complete tumor regression to neoadjuvant chemoradiotherapy in rectal cancer patients. <i>BMC Medical Genomics</i> , 2014, 7, 68.	0.7	58
29	Intratumoral Genetic Heterogeneity in Rectal Cancer. <i>Annals of Surgery</i> , 2017, 265, e4-e6.	2.1	56
30	Sense-antisense pairs in mammals: functional and evolutionary considerations. <i>Genome Biology</i> , 2007, 8, R40.	13.9	55
31	The use of personalized biomarkers and liquid biopsies to monitor treatment response and disease recurrence in locally advanced rectal cancer after neoadjuvant chemoradiation. <i>Oncotarget</i> , 2015, 6, 38360-38371.	0.8	52
32	Epigenetic Changes of CXCR4 and Its Ligand CXCL12 as Prognostic Factors for Sporadic Breast Cancer. <i>PLoS ONE</i> , 2011, 6, e29461.	1.1	51
33	ADAM23 Negatively Modulates $\alpha 5 \beta 3$ Integrin Activation during Metastasis. <i>Cancer Research</i> , 2009, 69, 5546-5552.	0.4	50
34	An international database and integrated analysis tools for the study of cancer gene expression. <i>Pharmacogenomics Journal</i> , 2002, 2, 156-164.	0.9	47
35	Nineteen Additional Unpredicted Transcripts from Human Chromosome 21. <i>Genomics</i> , 2002, 79, 824-832.	1.3	46
36	Comprehensive evaluation of the effectiveness of gene expression signatures to predict complete response to neoadjuvant chemoradiotherapy and guide surgical intervention in rectal cancer. <i>Cancer Genetics</i> , 2015, 208, 319-326.	0.2	45

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37	Galectin-3 disruption impaired tumoral angiogenesis by reducing VEGF secretion from TGF- β 2-induced macrophages. <i>Cancer Medicine</i> , 2014, 3, 201-214.	1.3	42
38	SATR-1 hypomethylation is a common and early event in breast cancer. <i>Cancer Genetics and Cytogenetics</i> , 2006, 165, 135-143.	1.0	41
39	Genetic diversity of <i>Leishmania amazonensis</i> strains isolated in northeastern Brazil as revealed by DNA sequencing, PCR-based analyses and molecular karyotyping. <i>Parasites and Vectors</i> , 2007, 6, 5.	1.9	36
40	Systematic detection of putative tumor suppressor genes through the combined use of exome and transcriptome sequencing. <i>Genome Biology</i> , 2010, 11, R114.	13.9	35
41	The impact of SNPs on the interpretation of SAGE and MPSS experimental data. <i>Nucleic Acids Research</i> , 2004, 32, 6104-6110.	6.5	34
42	Characterization of a cancer/testis (CT) antigen gene family capable of eliciting humoral response in cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18066-18071.	3.3	32
43	Mutational analysis of genes coding for cell surface proteins in colorectal cancer cell lines reveal novel altered pathways, druggable mutations and mutated epitopes for targeted therapy. <i>Oncotarget</i> , 2014, 5, 9199-9213.	0.8	31
44	Construction and Characterization of a <i>Plasmodium vivax</i> Genomic Library in Yeast Artificial Chromosomes. <i>Genomics</i> , 1997, 42, 467-473.	1.3	26
45	Tissue distribution of quiescin Q6/sulfhydryl oxidase (QSOX) in developing mouse. <i>Journal of Molecular Histology</i> , 2008, 39, 217-225.	1.0	26
46	ADAM33 gene silencing by promoter hypermethylation as a molecular marker in breast invasive lobular carcinoma. <i>BMC Cancer</i> , 2009, 9, 80.	1.1	26
47	Alternative Polyadenylation Allows Differential Negative Feedback of Human miRNA miR-579 on Its Host Gene ZFR. <i>PLoS ONE</i> , 2015, 10, e0121507.	1.1	24
48	High IL-1R8 expression in breast tumors promotes tumor growth and contributes to impaired antitumor immunity. <i>Oncotarget</i> , 2017, 8, 49470-49483.	0.8	24
49	Impressive response to dabrafenib, trametinib, and osimertinib in a metastatic EGFR-mutant/BRAF V600E lung adenocarcinoma patient. <i>Npj Precision Oncology</i> , 2021, 5, 5.	2.3	24
50	Identification of FAM46D as a novel cancer/testis antigen using EST data and serological analysis. <i>Genomics</i> , 2009, 94, 153-160.	1.3	23
51	Fibronectin Affects Transient MMP2 Gene Expression through DNA Demethylation Changes in Non-Invasive Breast Cancer Cell Lines. <i>PLoS ONE</i> , 2014, 9, e105806.	1.1	23
52	A genetic cluster of patients with variant xeroderma pigmentosum with two different founder mutations. <i>British Journal of Dermatology</i> , 2017, 176, 1270-1278.	1.4	23
53	Metformin as an Alternative Radiosensitizing Agent to 5-Fluorouracil During Neoadjuvant Treatment for Rectal Cancer. <i>Diseases of the Colon and Rectum</i> , 2020, 63, 918-926.	0.7	23
54	A Transcript Finishing Initiative for Closing Gaps in the Human Transcriptome. <i>Genome Research</i> , 2004, 14, 1413-1423.	2.4	22

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55	Identification of human exons overexpressed in tumors through the use of genome and expressed sequence data. <i>Physiological Genomics</i> , 2005, 21, 423-432.	1.0	21
56	Reduced transcription of TCOF1 in adult cells of Treacher Collins syndrome patients. <i>BMC Medical Genetics</i> , 2009, 10, 136.	2.1	21
57	Targeting MAGE-C1/CT7 Expression Increases Cell Sensitivity to the Proteasome Inhibitor Bortezomib in Multiple Myeloma Cell Lines. <i>PLoS ONE</i> , 2011, 6, e27707.	1.1	21
58	Chemopreventive effects of the dietary histone deacetylase inhibitor tributyrin alone or in combination with vitamin A during the promotion phase of rat hepatocarcinogenesis. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 860-866.	1.9	20
59	Dermcidin exerts its oncogenic effects in breast cancer via modulation of ERBB signaling. <i>BMC Cancer</i> , 2015, 15, 70.	1.1	20
60	Intratumoral heterogeneity of ADAM23 promotes tumor growth and metastasis through LGI4 and nitric oxide signals. <i>Oncogene</i> , 2015, 34, 1270-1279.	2.6	20
61	Effect of Akt activation and experimental pharmacological inhibition on responses to neoadjuvant chemoradiotherapy in rectal cancer. <i>British Journal of Surgery</i> , 2018, 105, e192-e203.	0.1	20
62	The Effects of Neoadjuvant Chemoradiation in Locally Advanced Rectal Cancer—The Impact in Intratumoral Heterogeneity. <i>Frontiers in Oncology</i> , 2019, 9, 974.	1.3	20
63	Distinct patterns of somatic alterations in a lymphoblastoid and a tumor genome derived from the same individual. <i>Nucleic Acids Research</i> , 2011, 39, 6056-6068.	6.5	19
64	Dental Biofilm Microbiota Dysbiosis Is Associated With the Risk of Acute Graft-Versus-Host Disease After Allogeneic Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 692225.	2.2	19
65	Mapping analysis of the <i>Xylella fastidiosa</i> genome. <i>Nucleic Acids Research</i> , 2000, 28, 3100-3104.	6.5	18
66	Towards a global cancer knowledge network: dissecting the current international cancer genomic sequencing landscape. <i>Annals of Oncology</i> , 2017, 28, 1145-1151.	0.6	18
67	A straightforward assay to evaluate DNA integrity and optimize next-generation sequencing for clinical diagnosis in oncology. <i>Experimental and Molecular Pathology</i> , 2017, 103, 294-299.	0.9	18
68	ADAM23 methylation and expression analysis in brain tumors. <i>Neuroscience Letters</i> , 2005, 380, 260-264.	1.0	17
69	Intraoperative autologous blood recovery in prostate cancer surgery: <i>in vivo</i> validation using a tumour marker. <i>Vox Sanguinis</i> , 2008, 95, 308-312.	0.7	17
70	Disruption of the oral microbiota is associated with a higher risk of relapse after allogeneic hematopoietic stem cell transplantation. <i>Scientific Reports</i> , 2021, 11, 17552.	1.6	16
71	Identification of 9 novel transcripts and two RGSL genes within the hereditary prostate cancer region (HPC1) at 1q25. <i>Gene</i> , 2003, 310, 49-57.	1.0	15
72	Pentraxin 3 accelerates lung injury in high tidal volume ventilation in mice. <i>Molecular Immunology</i> , 2012, 51, 82-90.	1.0	15

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73	Antibodies against the cancerâ€testis antigen CTSPâ€1 are frequently found in prostate cancer patients and are an independent prognostic factor for biochemicalâ€recurrence. <i>International Journal of Cancer</i> , 2008, 122, 2385-2390.	2.3	13
74	Characterization of a specific interaction between ADAM23 and cellular prion protein. <i>Neuroscience Letters</i> , 2009, 461, 16-20.	1.0	13
75	Circulating Tumor DNA Detection in the Management of Anti-EGFR Therapy for Advanced Colorectal Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 170.	1.3	13
76	Generation of longer 3' cDNA fragments from massively parallel signature sequencing tags. <i>Nucleic Acids Research</i> , 2004, 32, e94-e94.	6.5	12
77	Should We Give Up The Search for a Clinically Useful Gene Signature for the Prediction of Response of Rectal Cancer to Neoadjuvant Chemoradiation?. <i>Diseases of the Colon and Rectum</i> , 2016, 59, 895-897.	0.7	12
78	HLApers: HLA Typing and Quantification of Expression with Personalized Index. <i>Methods in Molecular Biology</i> , 2020, 2120, 101-112.	0.4	12
79	Monoallelic deleterious <sc><i>MUTYH</i></sc> germline variants as a driver for tumorigenesis. <i>Journal of Pathology</i> , 2022, 256, 214-222.	2.1	12
80	Directed Gap Closure in Large-Scale Sequencing Projects. <i>Genome Research</i> , 2001, 11, 901-903.	2.4	11
81	Choice of 16S Ribosomal RNA Primers Impacts Male Urinary Microbiota Profiling. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 862338.	1.8	11
82	Evolution and the inevitability of human cancer. <i>Seminars in Cancer Biology</i> , 1998, 8, 439-445.	4.3	8
83	Light/Dark Environmental Cycle Imposes a Daily Profile in the Expression of microRNAs in Rat CD133⁺ Cells. <i>Journal of Cellular Physiology</i> , 2016, 231, 1953-1963.	2.0	8
84	Prediction of Poor Response to Neoadjuvant Chemoradiation in Patients With Rectal Cancer Using a DNA Repair Deregulation Score: Picking the Losers Instead of the Winners. <i>Diseases of the Colon and Rectum</i> , 2020, 63, 300-309.	0.7	8
85	Exercise Training Preserves Myocardial Strain and Improves Exercise Tolerance in Doxorubicin-Induced Cardiotoxicity. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 605993.	1.1	8
86	<sc>COVID</sc>â€19 convalescent plasma cohort study: Evaluation of the association between both donor and recipient neutralizing antibody titers and patient outcomes. <i>Transfusion</i> , 2021, 61, 2295-2306.	0.8	8
87	Construction and rapid screening of a representative yeast artificial chromosome library from the <i>Plasmodium falciparum</i> strain Dd2. <i>Parasitology Research</i> , 1996, 83, 87-89.	0.6	7
88	Histopathological Characterization and Whole Exome Sequencing of Ectopic Thyroid: Fetal Architecture in a Functional Ectopic Gland from Adult Patient. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-10.	0.6	7
89	NDRG4 promoter hypermethylation is a mechanistic biomarker associated with metastatic progression in breast cancer patients. <i>Npj Breast Cancer</i> , 2019, 5, 11.	2.3	7
90	Identification of the <i>TP53</i> p.R337H Variant in Tumor Genomic Profiling Should Prompt Consideration of Germline Testing for Li-Fraumeni Syndrome. <i>JCO Global Oncology</i> , 2021, 7, 1141-1150.	0.8	7

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91	Measuring plasma levels of three microRNAs can improve the accuracy for identification of malignant breast lesions in women with BI-RADS 4 mammography. <i>Oncotarget</i> , 2017, 8, 83940-83948.	0.8	7
92	The Human Cell Surfaceome of Breast Tumors. <i>BioMed Research International</i> , 2013, 2013, 1-11.	0.9	6
93	TSC2 rare germline variants in non-tuberous sclerosis patients with neuroendocrine neoplasias. <i>Endocrine-Related Cancer</i> , 2018, 25, L1-L5.	1.6	6
94	Circulating Tumour DNA Sequencing Identifies a Genetic Resistance-Gap in Colorectal Cancers with Acquired Resistance to EGFR-Antibodies and Chemotherapy. <i>Cancers</i> , 2020, 12, 3736.	1.7	6
95	Herpesviruses in the oral cavity of patients subjected to allogeneic hematopoietic stem cell transplantation and its relationship with oral mucositis. <i>Clinical Oral Investigations</i> , 2020, 24, 3597-3608.	1.4	6
96	Collaborative research networks work. <i>Journal of Clinical Investigation</i> , 2003, 112, 468-471.	3.9	6
97	CagA status of <i>Helicobacter pylori</i> infection and p53 gene mutations in gastric adenocarcinoma. <i>Carcinogenesis</i> , 2003, 24, 145-145.	1.3	5
98	Analysis of allelic differential expression in the human genome using allele-specific serial analysis of gene expression tags. <i>Genome</i> , 2011, 54, 120-127.	0.9	5
99	Tumor Lysis Syndrome After Platinum-based Chemotherapy in Castration-resistant Prostate Cancer With a BRCA2 Mutation: A Case Report. <i>Clinical Genitourinary Cancer</i> , 2019, 17, e61-e64.	0.9	5
100	Global changes in nitration levels and DNA binding profile of <i>Trypanosoma cruzi</i> histones induced by incubation with host extracellular matrix. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008262.	1.3	5
101	Breast Cancer Promotes Cardiac Dysfunction Through Dereglulation of Cardiomyocyte Ca ²⁺ Handling Protein Expression That is Not Reversed by Exercise Training. <i>Journal of the American Heart Association</i> , 2021, 10, e018076.	1.6	5
102	Epithelial cells captured from ductal carcinoma in situ reveal a gene expression signature associated with progression to invasive breast cancer. <i>Oncotarget</i> , 2016, 7, 75672-75684.	0.8	5
103	Human gene discovery through experimental definition of transcribed regions of the human genome. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 13-16.	2.8	4
104	ICRmax: An optimized approach to detect tumor-specific interchromosomal rearrangements for clinical application. <i>Genomics</i> , 2015, 105, 265-272.	1.3	4
105	Genomic Biomarkers and Underlying Mechanism of Benefit from BCG Immunotherapy in Non-Muscle Invasive Bladder Cancer. <i>Bladder Cancer</i> , 2020, 6, 171-186.	0.2	4
106	A Key Pathway to Cancer Resilience: The Role of Autophagy in Glioblastomas. <i>Frontiers in Oncology</i> , 2021, 11, 652133.	1.3	4
107	Beyond the Proteolytic Activity: Examining the Functional Relevance of the Ancillary Domains Using Tri-Dimensional (3D) Spheroid Invasion Assay. <i>Methods in Molecular Biology</i> , 2018, 1731, 155-168.	0.4	3
108	Extreme Responses to a Combination of DNA-Damaging Therapy and Immunotherapy in CDK12-Altered Metastatic Castration-Resistant Prostate Cancer: A Potential Therapeutic Vulnerability. <i>Clinical Genitourinary Cancer</i> , 2022, 20, 183-188.	0.9	3

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109	Definition of the Gene Content of the Human Genome: The Need for Deep Experimental Verification. Comparative and Functional Genomics, 2001, 2, 169-175.	2.0	2
110	Tumor mutational burden (TMB) and BCG responsiveness in high-risk non-muscle invasive bladder cancer (NMIBC).. Journal of Clinical Oncology, 2019, 37, 442-442.	0.8	2
111	Emerging biomarkers in metastatic urothelial carcinoma: tumour mutational burden, PD-L1 expression and APOBEC polypeptide-like signature in a patient with complete response to anti-programmed cell death protein-1 inhibitor. Ecanermedscience, 2021, 15, 1306.	0.6	2
112	Coordinated, network-based research as a strategic component of science in Brazil. Genetics and Molecular Research, 2004, 3, 18-25.	0.3	2
113	Introduction. Seminars in Cancer Biology, 1998, 8, 403-405.	4.3	1
114	Insights into gliomagenesis: systems biology unravels key pathways. Genome Medicine, 2009, 1, 101.	3.6	1
115	Tumor mutational burden (TMB), intratumoral genetic heterogeneity (ITGH) and BCG responsiveness in high-risk non-muscle invasive bladder cancer (NMIBC).. Journal of Clinical Oncology, 2018, 36, e16516-e16516.	0.8	1
116	The FAPESP/LICR Human Cancer Genome Project: Perspectives on Integration. , 2006, , 169-184.		0
117	The role of the acute phase protein PTX3 in the ventilator-induced lung injury. European Respiratory Review, 2008, 17, 81-82.	3.0	0
118	Quantification of Tumor Cell Adhesion in Lymph Node Cryosections. Journal of Visualized Experiments, 2020, , .	0.2	0
119	Oral shedding of herpesviruses and clinical outcomes in hematopoietic stem cell transplant patients. Oral Diseases, 2023, 29, 815-826.	1.5	0
120	Closure of rRNA related gaps in the Chromobacterium violaceum genome with the PCR-assisted contig extension (PACE) protocol. Genetics and Molecular Research, 2004, 3, 53-63.	0.3	0
121	<i>HSD3B1</i> polymorphism in patients (pts) with metastatic castration-resistant prostate cancer (mCRPC) treated with abiraterone acetate and prednisone (AAP): Pharmacodynamics and therapeutic implications.. Journal of Clinical Oncology, 2022, 40, 140-140.	0.8	0
122	Association between tumor mutational burden (TMB) and mutational profile and its effect on overall survival: A post hoc analysis of patients with TMB-high and TMB-low metastatic cancer treated with immune checkpoint inhibitors (ICI).. Journal of Clinical Oncology, 2022, 40, 2632-2632.	0.8	0