

Nickolas Papadopoulos

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

18,920
citations

42
h-index

97
g-index

97
ext. papers

23,406
ext. citations

14.5
avg, IF

6.31
L-index

#	Paper	IF	Citations
88	Cancer genome landscapes. <i>Science</i> , 2013 , 339, 1546-58	33.3	5058
87	Detection of circulating tumor DNA in early- and late-stage human malignancies. <i>Science Translational Medicine</i> , 2014 , 6, 224ra24	17.5	2741
86	Exome sequencing of head and neck squamous cell carcinoma reveals inactivating mutations in NOTCH1. <i>Science</i> , 2011 , 333, 1154-7	33.3	1331
85	Detection and localization of surgically resectable cancers with a multi-analyte blood test. <i>Science</i> , 2018 , 359, 926-930	33.3	1204
84	The vigorous immune microenvironment of microsatellite instable colon cancer is balanced by multiple counter-inhibitory checkpoints. <i>Cancer Discovery</i> , 2015 , 5, 43-51	24.4	890
83	Circulating tumor DNA analysis detects minimal residual disease and predicts recurrence in patients with stage II colon cancer. <i>Science Translational Medicine</i> , 2016 , 8, 346ra92	17.5	688
82	Vitamin C selectively kills KRAS and BRAF mutant colorectal cancer cells by targeting GAPDH. <i>Science</i> , 2015 , 350, 1391-6	33.3	537
81	Whole-exome sequencing of neoplastic cysts of the pancreas reveals recurrent mutations in components of ubiquitin-dependent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 21188-93	11.5	484
80	Eradication of metastatic mouse cancers resistant to immune checkpoint blockade by suppression of myeloid-derived cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11774-9	11.5	426
79	Cancer-Associated Mutations in Endometriosis without Cancer. <i>New England Journal of Medicine</i> , 2017 , 376, 1835-1848	59.2	310
78	Combined circulating tumor DNA and protein biomarker-based liquid biopsy for the earlier detection of pancreatic cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10202-10207	11.5	303
77	A combination of molecular markers and clinical features improve the classification of pancreatic cysts. <i>Gastroenterology</i> , 2015 , 149, 1501-10	13.3	286
76	Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas. <i>Science Translational Medicine</i> , 2015 , 7, 293ra104	17.5	265
75	CACP, encoding a secreted proteoglycan, is mutated in camptodactyly-arthropathy-coxa vara-pericarditis syndrome. <i>Nature Genetics</i> , 1999 , 23, 319-22	36.3	230
74	Detection of tumor-derived DNA in cerebrospinal fluid of patients with primary tumors of the brain and spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9704-9	11.5	229
73	Limited heterogeneity of known driver gene mutations among the metastases of individual patients with pancreatic cancer. <i>Nature Genetics</i> , 2017 , 49, 358-366	36.3	228
72	Evaluation of DNA from the Papanicolaou test to detect ovarian and endometrial cancers. <i>Science Translational Medicine</i> , 2013 , 5, 167ra4	17.5	208

71	Whole Genome Sequencing Defines the Genetic Heterogeneity of Familial Pancreatic Cancer. <i>Cancer Discovery</i> , 2016 , 6, 166-75	24.4	206
70	Evaluating the evaluation of cancer driver genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14330-14335	11.5	197
69	Somatic mutations of SUZ12 in malignant peripheral nerve sheath tumors. <i>Nature Genetics</i> , 2014 , 46, 1170-2	36.3	186
68	Circulating Tumor DNA Analyses as Markers of Recurrence Risk and Benefit of Adjuvant Therapy for Stage III Colon Cancer. <i>JAMA Oncology</i> , 2019 , 5, 1710-1717	13.4	177
67	The early detection of pancreatic cancer: what will it take to diagnose and treat curable pancreatic neoplasia?. <i>Cancer Research</i> , 2014 , 74, 3381-9	10.1	162
66	Whole-Exome Sequencing Analyses of Inflammatory Bowel Disease-Associated Colorectal Cancers. <i>Gastroenterology</i> , 2016 , 150, 931-43	13.3	156
65	Feasibility of blood testing combined with PET-CT to screen for cancer and guide intervention. <i>Science</i> , 2020 , 369,	33.3	149
64	Serial circulating tumour DNA analysis during multimodality treatment of locally advanced rectal cancer: a prospective biomarker study. <i>Gut</i> , 2019 , 68, 663-671	19.2	138
63	Serial assessment of human tumor burdens in mice by the analysis of circulating DNA. <i>Cancer Research</i> , 2007 , 67, 9364-70	10.1	124
62	Mutation of the TERT promoter, switch to active chromatin, and monoallelic TERT expression in multiple cancers. <i>Genes and Development</i> , 2015 , 29, 2219-24	12.6	117
61	Genome-wide quantification of rare somatic mutations in normal human tissues using massively parallel sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9846-51	11.5	113
60	Evaluation of liquid from the Papanicolaou test and other liquid biopsies for the detection of endometrial and ovarian cancers. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	110
59	The role of companion diagnostics in the development and use of mutation-targeted cancer therapies. <i>Nature Biotechnology</i> , 2006 , 24, 985-95	44.5	108
58	Applications of liquid biopsies for cancer. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	97
57	Prognostic Potential of Circulating Tumor DNA Measurement in Postoperative Surveillance of Nonmetastatic Colorectal Cancer. <i>JAMA Oncology</i> , 2019 , 5, 1118-1123	13.4	85
56	Exomic analysis of myxoid liposarcomas, synovial sarcomas, and osteosarcomas. <i>Genes Chromosomes and Cancer</i> , 2014 , 53, 15-24	5	82
55	GENE-01. THE MUTATIONAL LANDSCAPE OF PRIMARY CHORDOMAS AND THEIR SENSITIVE DETECTION IN PLASMA ctDNA BY MULTIPLE NEXT GENERATION SEQUENCING TECHNOLOGIES. <i>Neuro-Oncology</i> , 2019 , 21, vi97-vi97	1	78
54	Non-invasive detection of urothelial cancer through the analysis of driver gene mutations and aneuploidy. <i>ELife</i> , 2018 , 7,	8.9	72

53	A multimodality test to guide the management of patients with a pancreatic cyst. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	71
52	Targeting a neoantigen derived from a common mutation. <i>Science</i> , 2021 , 371,	33.3	68
51	Very Long-term Survival Following Resection for Pancreatic Cancer Is Not Explained by Commonly Mutated Genes: Results of Whole-Exome Sequencing Analysis. <i>Clinical Cancer Research</i> , 2015 , 21, 1944-50	12.9	62
50	Whole-Genome Sequencing of Salivary Gland Adenoid Cystic Carcinoma. <i>Cancer Prevention Research</i> , 2016 , 9, 265-74	3.2	59
49	Lavage of the Uterine Cavity for Molecular Detection of Müllerian Duct Carcinomas: A Proof-of-Concept Study. <i>Journal of Clinical Oncology</i> , 2015 , 33, 4293-300	2.2	57
48	Precancerous neoplastic cells can move through the pancreatic ductal system. <i>Nature</i> , 2018 , 561, 201-205	50.4	55
47	FAST-SeqS: a simple and efficient method for the detection of aneuploidy by massively parallel sequencing. <i>PLoS ONE</i> , 2012 , 7, e411162	3.7	50
46	Bispecific antibodies targeting mutant neoantigens. <i>Science Immunology</i> , 2021 , 6,	28	42
45	Genetic Classification of Gliomas: Refining Histopathology. <i>Cancer Cell</i> , 2015 , 28, 9-11	24.3	34
44	Frequent HIN-1 Promoter Methylation and Lack of Expression in Multiple Human Tumor Types. <i>Molecular Cancer Research</i> , 2004 , 2, 489-494	6.6	33
43	Detection of aneuploidy in patients with cancer through amplification of long interspersed nucleotide elements (LINEs). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1871-1876	11.5	30
42	Detection of somatic TP53 mutations in tampons of patients with high-grade serous ovarian cancer. <i>Obstetrics and Gynecology</i> , 2014 , 124, 881-885	4.9	30
41	High prevalence of TERT promoter mutations in micropapillary urothelial carcinoma. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2016 , 469, 427-34	5.1	29
40	High prevalence of TERT promoter mutations in primary squamous cell carcinoma of the urinary bladder. <i>Modern Pathology</i> , 2016 , 29, 511-5	9.8	28
39	Persistent mutant oncogene specific T cells in two patients benefitting from anti-PD-1 2019 , 7, 40		28
38	Generation of MANAbodies specific to HLA-restricted epitopes encoded by somatically mutated genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9967-72	11.5	27
37	Detection of TERT promoter mutations in primary adenocarcinoma of the urinary bladder. <i>Human Pathology</i> , 2016 , 53, 8-13	3.7	27
36	Assessing aneuploidy with repetitive element sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4858-4863	11.5	26

35	Prognostic significance of postsurgery circulating tumor DNA in nonmetastatic colorectal cancer: Individual patient pooled analysis of three cohort studies. <i>International Journal of Cancer</i> , 2021 , 148, 1014-1026	7.5	26
34	Incidence and distribution of UroSEEK gene panel in a multi-institutional cohort of bladder urothelial carcinoma. <i>Modern Pathology</i> , 2019 , 32, 1544-1550	9.8	25
33	Diagnostic potential of tumor DNA from ovarian cyst fluid. <i>ELife</i> , 2016 , 5,	8.9	25
32	A novel approach for selecting combination clinical markers of pathology applied to a large retrospective cohort of surgically resected pancreatic cysts. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 145-152	8.6	24
31	Direct Detection and Quantification of Neoantigens. <i>Cancer Immunology Research</i> , 2019 , 7, 1748-1754	12.5	21
30	Targeted sequencing of plasmacytoid urothelial carcinoma reveals frequent TERT promoter mutations. <i>Human Pathology</i> , 2019 , 85, 1-9	3.7	21
29	Epigenetic remodelling and dysregulation of DLGAP4 is linked with early-onset cerebellar ataxia. <i>Human Molecular Genetics</i> , 2014 , 23, 6163-76	5.6	16
28	Landscape of somatic single nucleotide variants and indels in colorectal cancer and impact on survival. <i>Nature Communications</i> , 2020 , 11, 3644	17.4	16
27	Circulating tumor DNA dynamics and recurrence risk in patients undergoing curative intent resection of colorectal cancer liver metastases: A prospective cohort study. <i>PLoS Medicine</i> , 2021 , 18, e1003620	11.6	16
26	Targeting loss of heterozygosity for cancer-specific immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	14
25	Genomic analysis identifies frequent deletions of Dystrophin in olfactory neuroblastoma. <i>Nature Communications</i> , 2018 , 9, 5410	17.4	14
24	Serial circulating tumor DNA (ctDNA) analysis as a prognostic marker and a real-time indicator of adjuvant chemotherapy (CT) efficacy in stage III colon cancer (CC).. <i>Journal of Clinical Oncology</i> , 2018 , 36, 3516-3516	2.2	13
23	DETECTION OF CIRCULATING TUMOR DNA IN EARLY AND LATE STAGE HUMAN MALIGNANCIES. <i>Neuro-Oncology</i> , 2014 , 16, iii7-iii7	1	10
22	TCR α -chain-directed bispecific antibodies for the treatment of T cell cancers. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	10
21	Targeting public neoantigens for cancer immunotherapy. <i>Nature Cancer</i> , 2021 , 2, 487-497	15.4	10
20	Detection of low-frequency DNA variants by targeted sequencing of the Watson and Crick strands. <i>Nature Biotechnology</i> , 2021 , 39, 1220-1227	44.5	10
19	Ultrasensitive detection of tumor-specific mutations in saliva of patients with oral cavity squamous cell carcinoma. <i>Cancer</i> , 2021 , 127, 1576-1589	6.4	10
18	Pathophysiology of ctDNA Release into the Circulation and Its Characteristics: What Is Important for Clinical Applications. <i>Recent Results in Cancer Research</i> , 2020 , 215, 163-180	1.5	9

17	Bisulfite-converted duplexes for the strand-specific detection and quantification of rare mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4733-4738	11.5	8
16	An engineered antibody fragment targeting mutant Ectenin via major histocompatibility complex I neoantigen presentation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 19322-19334	5.4	8
15	Circulating tumor DNA (ctDNA) as a marker of recurrence risk in stage II colon cancer (CC).. <i>Journal of Clinical Oncology</i> , 2014 , 32, 11015-11015	2.2	8
14	Massively Parallel Sequencing of Esophageal Brushings Enables an Aneuploidy-Based Classification of Patients With Barrett's Esophagus. <i>Gastroenterology</i> , 2021 , 160, 2043-2054.e2	13.3	8
13	Identification of novel noncoding transcripts in telomerase-negative yeast using RNA-seq. <i>Scientific Reports</i> , 2016 , 6, 19376	4.9	7
12	Pembrolizumab for patients with leptomeningeal metastasis from solid tumors: efficacy, safety, and cerebrospinal fluid biomarkers 2021 , 9,		6
11	Intraductal papillary mucinous neoplasm in a neonate with congenital hyperinsulinism and a de novo germline SKIL gene mutation. <i>Pancreatology</i> , 2015 , 15, 194-6	3.8	5
10	Circulating tumor DNA (ctDNA) in nonmetastatic colorectal cancer (CRC): Potential role as a screening tool.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 518-518	2.2	5
9	Structural engineering of chimeric antigen receptors targeting HLA-restricted neoantigens. <i>Nature Communications</i> , 2021 , 12, 5271	17.4	5
8	Circulating tumor DNA as a prognostic biomarker in early stage pancreatic cancer.. <i>Journal of Clinical Oncology</i> , 2018 , 36, e16206-e16206	2.2	4
7	Tumor DNA as a Cancer Biomarker through the Lens of Colorectal Neoplasia. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020 , 29, 2441-2453	4	3
6	Multicancer early detection test: Preclinical, translational, and clinical evidence-generation plan and provocative questions.. <i>Cancer</i> , 2022 , 128 Suppl 4, 861-874	6.4	3
5	Molecular Mechanisms of Cystic Neoplasia 2018 , 580-588		2
4	Molecular and Pathology Features of Colorectal Tumors and Patient Outcomes Are Associated with and Its Subspecies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021 ,	4	1
3	Molecular Genetics of Neuroendocrine Tumors 2018 , 937-946		
2	Conversion technology and cancer predispositions. <i>Methods in Molecular Biology</i> , 2003 , 223, 415-23	1.4	
1	Inpatient Administration of Alpha-1-Adrenergic Receptor Blocking Agents Reduces Mortality in Male COVID-19 Patients.. <i>Frontiers in Medicine</i> , 2022 , 9, 849222	4.9	