

# Nikhil Wagle

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

13,619  
citations

57758

44  
h-index

82547

72  
g-index

77  
all docs

77  
docs citations

77  
times ranked

23073  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Landscape of Driver Mutations in Melanoma. <i>Cell</i> , 2012, 150, 251-263.	28.9	2,247
2	Dissecting Therapeutic Resistance to RAF Inhibition in Melanoma by Tumor Genomic Profiling. <i>Journal of Clinical Oncology</i> , 2011, 29, 3085-3096.	1.6	890
3	The Genetic Landscape of Clinical Resistance to RAF Inhibition in Metastatic Melanoma. <i>Cancer Discovery</i> , 2014, 4, 94-109.	9.4	782
4	Melanoma genome sequencing reveals frequent PREX2 mutations. <i>Nature</i> , 2012, 485, 502-506.	27.8	671
5	Whole-exome sequencing and clinical interpretation of formalin-fixed, paraffin-embedded tumor samples to guide precision cancer medicine. <i>Nature Medicine</i> , 2014, 20, 682-688.	30.7	508
6	Somatic <i>ERCC2</i> Mutations Correlate with Cisplatin Sensitivity in Muscle-Invasive Urothelial Carcinoma. <i>Cancer Discovery</i> , 2014, 4, 1140-1153.	9.4	506
7	High-Throughput Detection of Actionable Genomic Alterations in Clinical Tumor Samples by Targeted, Massively Parallel Sequencing. <i>Cancer Discovery</i> , 2012, 2, 82-93.	9.4	484
8	MAP Kinase Pathway Alterations in <i>BRAF</i> -Mutant Melanoma Patients with Acquired Resistance to Combined RAF/MEK Inhibition. <i>Cancer Discovery</i> , 2014, 4, 61-68.	9.4	419
9	A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors. <i>Nature Medicine</i> , 2020, 26, 792-802.	30.7	381
10	A p53-Dependent Checkpoint Pathway Prevents Rereplication. <i>Molecular Cell</i> , 2003, 11, 997-1008.	9.7	379
11	Complementary genomic approaches highlight the PI3K/mTOR pathway as a common vulnerability in osteosarcoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5564-73.	7.1	355
12	A phase II trial of AS1411 (a novel nucleolin-targeted DNA aptamer) in metastatic renal cell carcinoma. <i>Investigational New Drugs</i> , 2014, 32, 178-187.	2.6	302
13	A Genome-Scale RNA Interference Screen Implicates NF1 Loss in Resistance to RAF Inhibition. <i>Cancer Discovery</i> , 2013, 3, 350-362.	9.4	299
14	Response and Acquired Resistance to Everolimus in Anaplastic Thyroid Cancer. <i>New England Journal of Medicine</i> , 2014, 371, 1426-1433.	27.0	290
15	TBCRC 048: Phase II Study of Olaparib for Metastatic Breast Cancer and Mutations in Homologous Recombination-Related Genes. <i>Journal of Clinical Oncology</i> , 2020, 38, 4274-4282.	1.6	276
16	Activating mTOR Mutations in a Patient with an Extraordinary Response on a Phase I Trial of Everolimus and Pazopanib. <i>Cancer Discovery</i> , 2014, 4, 546-553.	9.4	266
17	Clinical Acquired Resistance to RAF Inhibitor Combinations in <i>BRAF</i> -Mutant Colorectal Cancer through MAPK Pathway Alterations. <i>Cancer Discovery</i> , 2015, 5, 358-367.	9.4	265
18	Assessing the clinical utility of cancer genomic and proteomic data across tumor types. <i>Nature Biotechnology</i> , 2014, 32, 644-652.	17.5	257

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19	Real-time Genomic Characterization of Advanced Pancreatic Cancer to Enable Precision Medicine. <i>Cancer Discovery</i> , 2018, 8, 1096-1111.	9.4	256
20	Oncogenic mutations in cervical cancer. <i>Cancer</i> , 2013, 119, 3776-3783.	4.1	225
21	Allele-Specific Chromatin Recruitment and Therapeutic Vulnerabilities of ESR1 Activating Mutations. <i>Cancer Cell</i> , 2018, 33, 173-186.e5.	16.8	201
22	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. <i>Science</i> , 2021, 371, .	12.6	197
23	The Genomic Landscape of Intrinsic and Acquired Resistance to Cyclin-Dependent Kinase 4/6 Inhibitors in Patients with Hormone Receptor-Positive Metastatic Breast Cancer. <i>Cancer Discovery</i> , 2020, 10, 1174-1193.	9.4	176
24	KDM5 Histone Demethylase Activity Links Cellular Transcriptomic Heterogeneity to Therapeutic Resistance. <i>Cancer Cell</i> , 2018, 34, 939-953.e9.	16.8	170
25	Acquired HER2 mutations in ER+ metastatic breast cancer confer resistance to estrogen receptor-directed therapies. <i>Nature Genetics</i> , 2019, 51, 207-216.	21.4	170
26	Association of Cell-Free DNA Tumor Fraction and Somatic Copy Number Alterations With Survival in Metastatic Triple-Negative Breast Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 543-553.	1.6	162
27	The Angiosarcoma Project: enabling genomic and clinical discoveries in a rare cancer through patient-partnered research. <i>Nature Medicine</i> , 2020, 26, 181-187.	30.7	158
28	The impact of tumor profiling approaches and genomic data strategies for cancer precision medicine. <i>Genome Medicine</i> , 2016, 8, 79.	8.2	151
29	Tumor Mutational Burden and <i>PTEN</i> Alterations as Molecular Correlates of Response to PD-1/L1 Blockade in Metastatic Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 2565-2572.	7.0	138
30	Clinical Sequencing Exploratory Research Consortium: Accelerating Evidence-Based Practice of Genomic Medicine. <i>American Journal of Human Genetics</i> , 2016, 98, 1051-1066.	6.2	137
31	Clinical Analysis and Interpretation of Cancer Genome Data. <i>Journal of Clinical Oncology</i> , 2013, 31, 1825-1833.	1.6	123
32	Subclonal cooperation drives metastasis by modulating local and systemic immune microenvironments. <i>Nature Cell Biology</i> , 2019, 21, 879-888.	10.3	114
33	Research Directions in the Clinical Implementation of Pharmacogenomics: An Overview of US Programs and Projects. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 778-786.	4.7	110
34	Sensitive Detection of Minimal Residual Disease in Patients Treated for Early-Stage Breast Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 2556-2564.	7.0	109
35	Oncologists' and cancer patients' views on whole-exome sequencing and incidental findings: results from the CanSeq study. <i>Genetics in Medicine</i> , 2016, 18, 1011-1019.	2.4	108
36	Rvb1p and Rvb2p Are Essential Components of a Chromatin Remodeling Complex That Regulates Transcription of over 5% of Yeast Genes. <i>Journal of Biological Chemistry</i> , 2001, 276, 16279-16288.	3.4	103

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37	FOXA1 upregulation promotes enhancer and transcriptional reprogramming in endocrine-resistant breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26823-26834.	7.1	103
38	MicroRNA-Mediated Suppression of the TGF- $\beta$ Pathway Confers Transmissible and Reversible CDK4/6 Inhibitor Resistance. Cell Reports, 2019, 26, 2667-2680.e7.	6.4	101
39	Processes and preliminary outputs for identification of actionable genes as incidental findings in genomic sequence data in the Clinical Sequencing Exploratory Research Consortium. Genetics in Medicine, 2013, 15, 860-867.	2.4	99
40	ERK Mutations Confer Resistance to Mitogen-Activated Protein Kinase Pathway Inhibitors. Cancer Research, 2014, 74, 7079-7089.	0.9	90
41	Acquired FGFR and FGF Alterations Confer Resistance to Estrogen Receptor (ER) Targeted Therapy in ER+ Metastatic Breast Cancer. Clinical Cancer Research, 2020, 26, 5974-5989.	7.0	87
42	Biomarker-Based Prediction of Response to Therapy for Colorectal Cancer. American Journal of Clinical Pathology, 2010, 134, 478-490.	0.7	69
43	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. Nature Medicine, 2021, 27, 289-300.	30.7	64
44	Assigning clinical meaning to somatic and germ-line whole-exome sequencing data in a prospective cancer precision medicine study. Genetics in Medicine, 2017, 19, 787-795.	2.4	46
45	Phase II study of tivantinib (ARQ 197) in patients with metastatic triple-negative breast cancer. Investigational New Drugs, 2015, 33, 1108-1114.	2.6	44
46	Genomic Correlate of Exceptional Erlotinib Response in Head and Neck Squamous Cell Carcinoma. JAMA Oncology, 2015, 1, 238.	7.1	44
47	Analysis of JNK, Mdm2 and p14ARF contribution to the regulation of mutant p53 stability. Journal of Molecular Biology, 2000, 295, 1009-1021.	4.2	35
48	Systematic genomic and translational efficiency studies of uveal melanoma. PLoS ONE, 2017, 12, e0178189.	2.5	34
49	Hotspot <i>ESR1</i> Mutations Are Multimodal and Contextual Modulators of Breast Cancer Metastasis. Cancer Research, 2022, 82, 1321-1339.	0.9	30
50	ESR1 mutant breast cancers show elevated basal cytokeratins and immune activation. Nature Communications, 2022, 13, 2011.	12.8	29
51	Everolimus and pazopanib (E/P) benefit genomically selected patients with metastatic urothelial carcinoma. British Journal of Cancer, 2018, 119, 707-712.	6.4	28
52	Measuring the Incremental Cost of Clinical Cancer Research. Journal of Clinical Oncology, 2001, 19, 105-110.	1.6	27
53	Clinicopathological Features Among Patients With Advanced Human Epidermal Growth Factor- $\alpha$ 2-Positive Breast Cancer With Prolonged Clinical Benefit to First-Line Trastuzumab-Based Therapy: A Retrospective Cohort Study. Clinical Breast Cancer, 2013, 13, 254-263.	2.4	26
54	Genomic Characterization of <i>de novo</i> Metastatic Breast Cancer. Clinical Cancer Research, 2021, 27, 1105-1118.	7.0	24

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55	Multiplexed Elimination of Wild-Type DNA and High-Resolution Melting Prior to Targeted Resequencing of Liquid Biopsies. <i>Clinical Chemistry</i> , 2017, 63, 1605-1613.	3.2	23
56	Discordant Cellular Response to Presurgical Letrozole in Bilateral Synchronous ER+ Breast Cancers with a <i>KRAS</i> Mutation or <i>FGFR1</i> Gene Amplification. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 2301-2305.	4.1	22
57	Characterizing reduced coverage regions through comparison of exome and genome sequencing data across 10 centers. <i>Genetics in Medicine</i> , 2018, 20, 855-866.	2.4	22
58	Somatic and Germline Genomic Alterations in Very Young Women with Breast Cancer. <i>Clinical Cancer Research</i> , 2022, 28, 2339-2348.	7.0	20
59	ER+ Breast Cancer Strongly Depends on MCL-1 and BCL-xL Anti-Apoptotic Proteins. <i>Cells</i> , 2021, 10, 1659.	4.1	16
60	mTOR Inhibitors in Cancer: What Can We Learn from Exceptional Responses?. <i>EBioMedicine</i> , 2015, 2, 2-4.	6.1	15
61	The fuzzy world of precision medicine: deliberations of a precision medicine tumor board. <i>Personalized Medicine</i> , 2017, 14, 37-50.	1.5	15
62	Phase I Trial of a Tablet Formulation of Pilaralisib, a Pan-Class I PI3K Inhibitor, in Patients with Advanced Solid Tumors. <i>Oncologist</i> , 2018, 23, 401.	3.7	13
63	Identification of a RAS-activating <i>TMEM87A</i> - <i>RASGRF1</i> Fusion in an Exceptional Responder to Sunitinib with Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 4072-4079.	7.0	13
64	Cell Line-Specific Network Models of ER+ Breast Cancer Identify Potential PI3K Inhibitor Resistance Mechanisms and Drug Combinations. <i>Cancer Research</i> , 2021, 81, 4603-4617.	0.9	13
65	A Framework for Promoting Diversity, Equity, and Inclusion in Genetics and Genomics Research. <i>JAMA Health Forum</i> , 2022, 3, e220603.	2.2	13
66	Multidimensional Molecular Profiling of Metastatic Triple-Negative Breast Cancer and Immune Checkpoint Inhibitor Benefit. <i>JCO Precision Oncology</i> , 2022, , .	3.0	11
67	Cardiac Presentation of Anaplastic Large-Cell Lymphoma. <i>Journal of Clinical Oncology</i> , 2010, 28, e314-e316.	1.6	5
68	A phase II study of efficacy, toxicity, and the potential impact of genomic alterations on response to eribulin mesylate in combination with trastuzumab and pertuzumab in women with human epidermal growth factor receptor 2 (HER2)+ metastatic breast cancer. <i>Breast Cancer Research and Treatment</i> , 2021, 189, 411-423.	2.5	3
69	cDNA-detector: detection and removal of cDNA contamination in DNA sequencing libraries. <i>BMC Bioinformatics</i> , 2021, 22, 611.	2.6	3
70	Using Hospital Tumor Registries to Identify Research Subjects. <i>Health Services and Outcomes Research Methodology</i> , 2001, 2, 67-76.	1.8	1
71	Abstract PD1-05: Targeting the FRA1-dependent transcriptional nexus in high FOXA1-driven endocrine-resistant and metastatic breast cancer. <i>Cancer Research</i> , 2022, 82, PD1-05-PD1-05.	0.9	0