## **Christos Hatzis**

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Measurement of Residual Breast Cancer Burden to Predict Survival After Neoadjuvant Chemotherapy. Journal of Clinical Oncology, 2007, 25, 4414-4422.	1.6	1,243
2	The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. Nature Biotechnology, 2010, 28, 827-838.	17.5	795
3	A Genomic Predictor of Response and Survival Following Taxane-Anthracycline Chemotherapy for Invasive Breast Cancer. JAMA - Journal of the American Medical Association, 2011, 305, 1873.	7.4	531
4	Long-Term Prognostic Risk After Neoadjuvant Chemotherapy Associated With Residual Cancer Burden and Breast Cancer Subtype. Journal of Clinical Oncology, 2017, 35, 1049-1060.	1.6	478
5	Common Contaminants in Next-Generation Sequencing That Hinder Discovery of Low-Abundance Microbes. PLoS ONE, 2014, 9, e97876.	2.5	285
6	Immunological differences between primary and metastatic breast cancer. Annals of Oncology, 2018, 29, 2232-2239.	1.2	238
7	Commercialized Multigene Predictors of Clinical Outcome for Breast Cancer. Oncologist, 2008, 13, 477-493.	3.7	235
8	Genomic Index of Sensitivity to Endocrine Therapy for Breast Cancer. Journal of Clinical Oncology, 2010, 28, 4111-4119.	1.6	235
9	Estrogen Receptor (ER) mRNA and ER-Related Gene Expression in Breast Cancers That Are 1% to 10% ER-Positive by Immunohistochemistry. Journal of Clinical Oncology, 2012, 30, 729-734.	1.6	231
10	Multigene prognostic tests in breast cancer: past, present, future. Breast Cancer Research, 2015, 17, 11.	5.0	209
11	Molecular Anatomy of Breast Cancer Stroma and Its Prognostic Value in Estrogen Receptor–Positive and –Negative Cancers. Journal of Clinical Oncology, 2010, 28, 4316-4323.	1.6	193
12	Genomic Grade Index Is Associated With Response to Chemotherapy in Patients With Breast Cancer. Journal of Clinical Oncology, 2009, 27, 3185-3191.	1.6	173
13	Effect of training-sample size and classification difficulty on the accuracy of genomic predictors. Breast Cancer Research, 2010, 12, R5.	5.0	169
14	Association Between Genomic Metrics and Immune Infiltration in Triple-Negative Breast Cancer. JAMA Oncology, 2017, 3, 1707.	7.1	129
15	Quantification of Heterogeneity as a Biomarker in Tumor Imaging: A Systematic Review. PLoS ONE, 2014, 9, e110300.	2.5	122
16	Identification of inhibitory components toxic toward zymomonas mobilis CP4(pZB5) xylose fermentation. Applied Biochemistry and Biotechnology, 1997, 67, 185-198.	2.9	119
17	Immune Gene Expression Is Associated with Genomic Aberrations in Breast Cancer. Cancer Research, 2017, 77, 3317-3324.	0.9	117
18	Microtubule-Associated Protein-tau is a Bifunctional Predictor of Endocrine Sensitivity and Chemotherapy Resistance in Estrogen Receptor–Positive Breast Cancer. Clinical Cancer Research, 2007, 13, 2061-2067.	7.0	115

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19	Effects of Tissue Handling on RNA Integrity and Microarray Measurements From Resected Breast Cancers. Journal of the National Cancer Institute, 2011, 103, 1871-1883.	6.3	104
20	Enhancing Reproducibility in Cancer Drug Screening: How Do We Move Forward?. Cancer Research, 2014, 74, 4016-4023.	0.9	90
21	Reproducibility of research and preclinical validation: problems and solutions. Nature Reviews Clinical Oncology, 2013, 10, 720-724.	27.6	83
22	Reproducibility of residual cancer burden for prognostic assessment of breast cancer after neoadjuvant chemotherapy. Modern Pathology, 2015, 28, 913-920.	5.5	79
23	Revisiting inconsistency in large pharmacogenomic studies. F1000Research, 2016, 5, 2333.	1.6	79
24	Reliability of Whole-Exome Sequencing for Assessing Intratumor Genetic Heterogeneity. Cell Reports, 2018, 25, 1446-1457.	6.4	76
25	Quantitative assessment of the spatial heterogeneity of tumor-infiltrating lymphocytes in breast cancer. Breast Cancer Research, 2016, 18, 78.	5.0	75
26	Predictors of Chemosensitivity in Triple Negative Breast Cancer: An Integrated Genomic Analysis. PLoS Medicine, 2016, 13, e1002193.	8.4	75
27	KDD Cup 2001 report. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2002, 3, 47-64.	4.0	72
28	A genome-wide approach to link genotype to clinical outcome by utilizing next generation sequencing and gene chip data of 6,697 breast cancer patients. Genome Medicine, 2015, 7, 104.	8.2	65
29	Tumor-Infiltrating Lymphocytes and PD-L1 Expression in Pre- and Posttreatment Breast Cancers in the SWOG S0800 Phase II Neoadjuvant Chemotherapy Trial. Molecular Cancer Therapeutics, 2018, 17, 1324-1331.	4.1	65
30	T-DM1 Activity in Metastatic Human Epidermal Growth Factor Receptor 2–Positive Breast Cancers That Received Prior Therapy With Trastuzumab and Pertuzumab. Journal of Clinical Oncology, 2016, 34, 3511-3517.	1.6	64
31	Biochemical Engineering Analysis of Critical Process Factors in the Biomass-to-Ethanol Technology. Biotechnology Progress, 1997, 13, 222-231.	2.6	61
32	Optimization of reverse-flow, two-temperature, dilute-acid pretreatment to enhance biomass conversion to ethanol. Applied Biochemistry and Biotechnology, 1996, 57-58, 85-101.	2.9	60
33	Pathway level alterations rather than mutations in single genes predict response to HER2-targeted therapies in the neo-ALTTO trial. Annals of Oncology, 2017, 28, 128-135.	1.2	54
34	Germline variant burden in cancer genes correlates with age at diagnosis and somatic mutation burden. Nature Communications, 2020, 11, 2438.	12.8	52
35	Immune profiling of pre- and post-treatment breast cancer tissues from the SWOG S0800 neoadjuvant trial. , 2019, 7, 88.		51
36	Revisiting inconsistency in large pharmacogenomic studies. F1000Research, 2016, 5, 2333.	1.6	51

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37	Relationship between Complete Pathologic Response to Neoadjuvant Chemotherapy and Survival in Triple-Negative Breast Cancer. Clinical Cancer Research, 2016, 22, 26-33.	7.0	49
38	SETER/PR: a robust 18-gene predictor for sensitivity to endocrine therapy for metastatic breast cancer. Npj Breast Cancer, 2019, 5, 16.	5.2	48
39	Ambient Particulate Matter Exhibits Direct Inhibitory Effects on Oxidative Stress Enzymes. Environmental Science & Technology, 2006, 40, 2805-2811.	10.0	47
40	Multistaged corpuscular models of microbial growth: Monte Carlo simulations. BioSystems, 1995, 36, 19-35.	2.0	46
41	Immune microenvironment of triple-negative breast cancer in African-American and Caucasian women. Breast Cancer Research and Treatment, 2019, 175, 247-259.	2.5	43
42	Hormone receptor status and pathologic response of HER2-positive breast cancer treated with neoadjuvant chemotherapy and trastuzumab. Annals of Oncology, 2008, 19, 2020-2025.	1.2	41
43	Increased epigenetic age in normal breast tissue from luminal breast cancer patients. Clinical Epigenetics, 2018, 10, 112.	4.1	40
44	Long-Term Survival of De Novo Stage IV Human Epidermal Growth Receptor 2 (HER2) Positive Breast Cancers Treated with HER2-Targeted Therapy. Oncologist, 2019, 24, 313-318.	3.7	39
45	Establishing community reference samples, data and call sets for benchmarking cancer mutation detection using whole-genome sequencing. Nature Biotechnology, 2021, 39, 1151-1160.	17.5	39
46	Towards understanding of the complex structure of growing yeast populations. Journal of Biotechnology, 2007, 128, 393-402.	3.8	38
47	Systematic Drug Screening Identifies Tractable Targeted Combination Therapies in Triple-Negative Breast Cancer. Cancer Research, 2017, 77, 566-578.	0.9	38
48	Analysis and modeling of growing budding yeast populations at the single cell level. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 114-120.	1.5	37
49	Assessment of pharmacogenomic agreement. F1000Research, 2016, 5, 825.	1.6	34
50	Morphologically-structured models of growing budding yeast populations. Journal of Biotechnology, 2006, 124, 420-438.	3.8	32
51	Association of LN Evaluation with Survival in Women Aged 70 Years or Older With Clinically Node-Negative Hormone Receptor Positive Breast Cancer. Annals of Surgical Oncology, 2017, 24, 3073-3081.	1.5	32
52	Prospective assessment of the decision-making impact of the Breast Cancer Index in recommending extended adjuvant endocrine therapy for patients with early-stage ER-positive breast cancer. Breast Cancer Research and Treatment, 2015, 154, 533-541.	2.5	31
53	Identification of serum analytes and metabolites associated with aerobic capacity. European Journal of Applied Physiology, 2013, 113, 1311-1320.	2.5	30
54	The impact of RNA extraction method on accurate RNA sequencing from formalin-fixed paraffin-embedded tissues. BMC Cancer, 2019, 19, 1189.	2.6	30

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55	Measurement of the inhibitory potential and detoxification of biomass pretreatment hydrolysate for ethanol production. Applied Biochemistry and Biotechnology, 1996, 57-58, 183-191.	2.9	29
56	Detailed material balance and ethanol yield calculations for the biomass-to-ethanol conversion process. Applied Biochemistry and Biotechnology, 1996, 57-58, 443-459.	2.9	29
57	Both Carboplatin and Bevacizumab Improve Pathological Complete Remission Rate in Neoadjuvant Treatment of Triple Negative Breast Cancer: A Meta-Analysis. PLoS ONE, 2014, 9, e108405.	2.5	29
58	Statistical measures of transcriptional diversity capture genomic heterogeneity of cancer. BMC Genomics, 2014, 15, 876.	2.8	29
59	Clobal gene expression changes induced by prolonged cold ischemic stress and preservation method of breast cancer tissue. Molecular Oncology, 2014, 8, 717-727.	4.6	29
60	CtlP Silencing as a Novel Mechanism of Tamoxifen Resistance in Breast Cancer. Molecular Cancer Research, 2007, 5, 1285-1295.	3.4	28
61	Development of Candidate Genomic Markers to Select Breast Cancer Patients for Dasatinib Therapy. Molecular Cancer Therapeutics, 2010, 9, 1120-1127.	4.1	28
62	Gene Signature–Guided Dasatinib Therapy in Metastatic Breast Cancer. Clinical Cancer Research, 2014, 20, 5265-5271.	7.0	28
63	Thirty-Gene Pharmacogenomic Test Correlates with Residual Cancer Burden after Preoperative Chemotherapy for Breast Cancer. Clinical Cancer Research, 2007, 13, 4078-4082.	7.0	26
64	Intratumor Heterogeneity of Homologous Recombination Deficiency in Primary Breast Cancer. Clinical Cancer Research, 2017, 23, 1193-1199.	7.0	26
65	An integrative bioinformatics approach reveals coding and non-coding gene variants associated with gene expression profiles and outcome in breast cancer molecular subtypes. British Journal of Cancer, 2018, 118, 1107-1114.	6.4	26
66	Size Effects on the Uptake of Particles by Populations of Tetrahymena pyriformis Cells. Journal of Protozoology, 1990, 37, 157-163.	0.8	25
67	Sirolimus and trastuzumab combination therapy for HER2-positive metastatic breast cancer after progression on prior trastuzumab therapy. Breast Cancer Research and Treatment, 2015, 150, 157-167.	2.5	23
68	Comprehensive Analysis of Disease-Related Genes in Chronic Lymphocytic Leukemia by Multiplex PCR-Based Next Generation Sequencing. PLoS ONE, 2015, 10, e0129544.	2.5	23
69	Feeding heterogeneity in ciliate populations: Effects of culture age and nutritional state. Biotechnology and Bioengineering, 1994, 43, 371-380.	3.3	20
70	Identification and Validation of a Novel Biologics Target in Triple Negative Breast Cancer. Scientific Reports, 2019, 9, 14934.	3.3	19
71	Treatment scheduling effects on the evolution of drug resistance in heterogeneous cancer cell populations. Npj Breast Cancer, 2021, 7, 60.	5.2	19
72	Co-targeting the HER and IGF/insulin receptor axis in breast cancer, with triple targeting with endocrine therapy for hormone-sensitive disease. Breast Cancer Research and Treatment, 2017, 163, 37-50.	2.5	16

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73	Single-arm, neoadjuvant, phase II trial of pertuzumab and trastuzumab administered concomitantly with weekly paclitaxel followed by 5-fluoruracil, epirubicin, and cyclophosphamide (FEC) for stage I–III HER2-positive breast cancer. Breast Cancer Research and Treatment, 2018, 169, 333-340.	2.5	16
74	The impact of communication style on patient satisfaction. Breast Cancer Research and Treatment, 2019, 176, 349-356.	2.5	16
75	Large-scale identification of novel transcripts in the human genome. Genome Research, 2007, 17, 287-292.	5.5	15
76	A statistical analysis of flow cytometric determinations of phagocytosis rates. Cytometry, 1992, 13, 423-431.	1.8	14
77	Functional germline variants as potential co-oncogenes. Npj Breast Cancer, 2017, 3, 46.	5.2	14
78	Association of T-Cell Receptor Repertoire Use With Response to Combined Trastuzumab-Lapatinib Treatment of HER2-Positive Breast Cancer. JAMA Oncology, 2018, 4, e181564.	7.1	13
79	Combinatorial Screening of Pancreatic Adenocarcinoma Reveals Sensitivity to Drug Combinations Including Bromodomain Inhibitor Plus Neddylation Inhibitor. Molecular Cancer Therapeutics, 2017, 16, 1041-1053.	4.1	12
80	Multi-Omics Investigation of Innate Navitoclax Resistance in Triple-Negative Breast Cancer Cells. Cancers, 2020, 12, 2551.	3.7	12
81	Phase 1b study of the mammalian target of rapamycin inhibitor sirolimus in combination with nanoparticle albumin–bound paclitaxel in patients with advanced solid tumors. Cancer, 2015, 121, 1817-1826.	4.1	11
82	Examining the cost-effectiveness of baseline left ventricular function assessment among breast cancer patients undergoing anthracycline-based therapy. Breast Cancer Research and Treatment, 2019, 176, 261-270.	2.5	11
83	Mutation based treatment recommendations from next generation sequencing data: a comparison of web tools. Oncotarget, 2016, 7, 22064-22076.	1.8	10
84	Cell-Cycle Analysis in Phagotrophic Microorganisms from Flow Cytometric Histograms. Journal of Theoretical Biology, 1997, 186, 131-144.	1.7	9
85	Analysis of Pre- and Posttreatment Tissues from the SWOG S0800 Trial Reveals an Effect of Neoadjuvant Chemotherapy on the Breast Cancer Genome. Clinical Cancer Research, 2020, 26, 1977-1984.	7.0	9
86	Optimal Design in Nonlinear Multiresponse Estimation: Poisson Model for Filter Feeding. Biometrics, 1992, 48, 1235.	1.4	8
87	A prospective decision-impact study incorporating Breast Cancer Index into extended endocrine therapy decision-making. Breast Cancer Management, 2019, 8, BMT22.	0.2	8
88	Whole-genome sequencing of phenotypically distinct inflammatory breast cancers reveals similar genomic alterations to non-inflammatory breast cancers. Genome Medicine, 2021, 13, 70.	8.2	8
89	Revisiting inconsistency in large pharmacogenomic studies. F1000Research, 0, 5, 2333.	1.6	8
90	Randomized Pharmacokinetic Study Comparing Subcutaneous and Intravenous Palonosetron in Cancer Patients Treated with Platinum Based Chemotherapy. PLoS ONE, 2014, 9, e89747.	2.5	8

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91	A discrete, stochastic model for microbial filter feeding: a model for feeding of ciliated protists on spatially uniform, nondepletable suspensions. Mathematical Biosciences, 1990, 102, 127-181.	1.9	7
92	Determination of cellular rate distributions in microbial cell populations: Feeding rates of ciliated protozoa. Biotechnology and Bioengineering, 1993, 42, 284-294.	3.3	6
93	Increasing Consistency of Disease Biomarker Prediction Across Datasets. PLoS ONE, 2014, 9, e91272.	2.5	6
94	Is complete response the answer?. Annals of Oncology, 2017, 28, 1681-1683.	1.2	6
95	Testing Violations of the Exponential Assumption in Cancer Clinical Trials with Survival Endpoints. Biometrics, 2017, 73, 687-695.	1.4	6
96	Impacts of Early Guideline-Directed 21-Gene Recurrence Score Testing on Adjuvant Therapy Decision Making. Journal of Oncology Practice, 2017, 13, e1012-e1020.	2.5	6
97	Targeted RNAseq assay incorporating unique molecular identifiers for improved quantification of gene expression signatures and transcribed mutation fraction in fixed tumor samples. BMC Cancer, 2021, 21, 114.	2.6	6
98	Development of an epi-fluorescence assay for monitoring yeast viability and pretreatment hydrolysate toxicity in the presence of lignocellulosic solids. Applied Biochemistry and Biotechnology, 1996, 57-58, 649-657.	2.9	5
99	Metabolic isoenzyme shifts in cancer as potential novel therapeutic targets. Breast Cancer Research and Treatment, 2014, 148, 477-488.	2.5	5
100	The Neoadjuvant Model and Complete Pathologic Response in Breast Cancer. JAMA Oncology, 2016, 2, 760.	7.1	5
101	Breast cancer patients with brain metastasis undergoing GKRS. Breast Cancer, 2019, 26, 147-153.	2.9	5
102	Combined analysis of gene expression, DNA copy number, and mutation profiling data to display biological process anomalies in individual breast cancers. Breast Cancer Research and Treatment, 2014, 144, 561-568.	2.5	4
103	Genomic predictor of residual risk of recurrence after adjuvant chemotherapy and endocrine therapy in high risk estrogen receptor-positive breast cancers. Breast Cancer Research and Treatment, 2015, 149, 789-797.	2.5	4
104	Comparison of Residual Risk–Based Eligibility vs Tumor Size and Nodal Status for Power Estimates in Adjuvant Trials of Breast Cancer Therapies. JAMA Oncology, 2018, 4, e175092.	7.1	4
105	Detailed Material Balance and Ethanol Yield Calculations for the Biomass-to-Ethanol Conversion Process. , 1996, , 443-459.		4
106	Comprehensive Analysis of Metabolic Isozyme Targets in Cancer. Cancer Research, 2022, 82, 1698-1711.	0.9	4
107	Chemotherapy for Elderly Ovarian Cancer Patients. Gynecology & Obstetrics (Sunnyvale, Calif ), 2016, 6, .	0.1	3
108	Assessing cost-utility of predictive biomarkers in oncology: a streamlined approach. Breast Cancer Research and Treatment, 2016, 155, 223-234.	2.5	3

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109	Genomic and Immune Profiling of a Patient With Triple-Negative Breast Cancer That Progressed During Neoadjuvant Chemotherapy Plus PD-L1 Blockade. JCO Precision Oncology, 2019, 3, 1-6.	3.0	3
110	Intra- and Interlaboratory Reproducibility of the Sensitivity to Endocrine Therapy Assay for Stage II/III Breast Cancer. Clinical Chemistry, 2021, 67, 1240-1248.	3.2	3
111	Characterization of DNA variants in the human kinome in breast cancer. Scientific Reports, 2015, 5, 14736.	3.3	2
112	Measurement of the Inhibitory Potential and Detoxification of Biomass Pretreatment Hydrolysate for Ethanol Production. , 1996, , 183-191.		2
113	TQuest, A Web-Based Platform to Enable Precision Medicine by Linking a Tumor's Genetic Defects to Therapeutic Options. JCO Clinical Cancer Informatics, 2018, 2, 1-13.	2.1	1
114	Breast Cancer Heterogeneity Investigation: Multiple k-Means Clustering Approach. , 2019, , .		1
115	Bioinformatics analysis pipeline for exome sequencing data. AACR Education Book, 2014, 2014, 131-134.	0.0	1
116	Cardiac outcomes in women receiving aromatase inhibitors as adjuvant endocrine therapy for breast cancer Journal of Clinical Oncology, 2014, 32, e11501-e11501.	1.6	1
117	Optimization of Reverse-Flow, Two-Temperature, Dilute-Acid Pretreatment to Enhance Biomass Conversion to Ethanol. , 1996, , 85-101.		1
118	Functional polymorphisms in cancer. Oncoscience, 2015, 2, 73-74.	2.2	1
119	Abstract PD3-4: Reliability of whole exome sequencing for assessing intratumor heterogeneity from breast tumor biopsies. , 2015, , .		1
120	Health economic impact of breast cancer index (BCI) in patients with hormone responsive breast cancer (HRBC) considering extended adjuvant endocrine therapy (EET) Journal of Clinical Oncology, 2017, 35, 25-25.	1.6	1
121	Session 3 bioprocessing research. Applied Biochemistry and Biotechnology, 1997, 63-65, 349-349.	2.9	0
122	Annual Review of Biophysics. Medical Physics, 2013, 40, 077303.	3.0	0
123	Neoadjuvant Model in Cancer Treatment: From Clinical Opportunity to Health-Care Utility. Journal of the National Cancer Institute Monographs, 2015, 2015, 1-3.	2.1	0
124	Data augmentation based on waterfall plots to increase value of response data generated by small single arm Phase II trials. Contemporary Clinical Trials, 2021, 110, 106589.	1.8	0
125	Development of an Epi-Fluorescence Assay for Monitoring Yeast Viability and Pretreatment Hydrolysate Toxicity in the Presence of Lignocellulosic Solids. , 1996, , 649-657.		0

126 Bioprocessing Research. , 1997, 63-65, 349-349.

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127	Abstract PD3-2: Broad exonic DNA diversity is associated with resistance to taxane-FAC chemotherapy in triple negative breast cancer. , 2015, , .		0
128	Abstract P2-05-04: Gene expression associated with poor prognosis of young TNBC patients. , 2015, , .		0
129	Abstract P2-03-05: The heterogeneous clinical behavior of luminal breast cancers is associated with different mutational landscapes. , 2015, , .		Ο
130	Prospective study of the decision-making impact of the Breast Cancer Index in the selection of patients with ER+ breast cancer for extended endocrine therapy Journal of Clinical Oncology, 2015, 33, 538-538.	1.6	0
131	A framework to assess the cost effectiveness of predictive biomarkers in oncology: Test Incremental Cost Effectiveness Ratio (TICER) Journal of Clinical Oncology, 2015, 33, 6621-6621.	1.6	0
132	Mutation-based treatment recommendations from next generation sequencing data: A comparison of web tools Journal of Clinical Oncology, 2015, 33, e12564-e12564.	1.6	0
133	Genomic Markers in ER-Negative Breast Cancer. , 2016, , 283-298.		0
134	Association between DNA level aberrations and immune cell infiltration in breast cancer Journal of Clinical Oncology, 2016, 34, 3078-3078.	1.6	0