

# Benjamin Tycko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1346548/publications.pdf>

Version: 2024-02-01

42  
papers

3,147  
citations

257450

24  
h-index

265206

42  
g-index

47  
all docs

47  
docs citations

47  
times ranked

5602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic surveys by methylation-sensitive SNP analysis identify sequence-dependent allele-specific DNA methylation. <i>Nature Genetics</i> , 2008, 40, 904-908.	21.4	400
2	Physiological functions of imprinted genes. <i>Journal of Cellular Physiology</i> , 2002, 192, 245-258.	4.1	313
3	Creation of genomic methylation patterns. <i>Nature Genetics</i> , 1996, 12, 363-367.	21.4	301
4	Apolipoprotein E and alzheimer's disease: Ethnic variation in genotypic risks. <i>Annals of Neurology</i> , 1995, 37, 254-259.	5.3	246
5	Distress During Pregnancy: Epigenetic Regulation of Placenta Glucocorticoid-Related Genes and Fetal Neurobehavior. <i>American Journal of Psychiatry</i> , 2016, 173, 705-713.	7.2	227
6	Intramuscular Therapeutic Vaccination Targeting HPV16 Induces T Cell Responses That Localize in Mucosal Lesions. <i>Science Translational Medicine</i> , 2014, 6, 221ra13.	12.4	178
7	Allele-specific DNA methylation: beyond imprinting. <i>Human Molecular Genetics</i> , 2010, 19, R210-R220.	2.9	143
8	The methyltransferase SETDB1 regulates a large neuron-specific topological chromatin domain. <i>Nature Genetics</i> , 2017, 49, 1239-1250.	21.4	133
9	Mechanisms and Disease Associations of Haplotype-Dependent Allele-Specific DNA Methylation. <i>American Journal of Human Genetics</i> , 2016, 98, 934-955.	6.2	109
10	Geneticâ€œepigenetic interactions in cis: a major focusâ€œ in the post-GWAS era. <i>Genome Biology</i> , 2017, 18, 120.	8.8	109
11	Onset of dementia is associated with apolipoprotein E Î¼4 in Down's syndrome. <i>Annals of Neurology</i> , 1996, 40, 799-801.	5.3	89
12	Effect of Age, Ethnicity, and Head Injury on the Association between APOE Genotypes and Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 1996, 802, 6-15.	3.8	88
13	PHLDA3 is a novel tumor suppressor of pancreatic neuroendocrine tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2404-13.	7.1	85
14	Hypomethylating Therapy in an Aggressive Stroma-Rich Model of Pancreatic Carcinoma. <i>Cancer Research</i> , 2013, 73, 885-896.	0.9	71
15	Trans effects of chromosome aneuploidies on DNA methylation patterns in human Down syndrome and mouse models. <i>Genome Biology</i> , 2015, 16, 263.	8.8	68
16	Trans-acting epigenetic effects of chromosomal aneuploidies: lessons from Down syndrome and mouse models. <i>Epigenomics</i> , 2017, 9, 189-207.	2.1	52
17	Epigenetic Alterations Affecting Transcription Factors and Signaling Pathways in Stromal Cells of Endometriosis. <i>PLoS ONE</i> , 2017, 12, e0170859.	2.5	48
18	Comparative Anatomy of Chromosomal Domains with Imprinted and Non-Imprinted Allele-Specific DNA Methylation. <i>PLoS Genetics</i> , 2013, 9, e1003622.	3.5	47

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19	Mapping Allele-Specific DNA Methylation: A New Tool for Maximizing Information from GWAS. <i>American Journal of Human Genetics</i> , 2010, 86, 109-112.	6.2	41
20	A DNA Hypomethylating Drug Alters the Tumor Microenvironment and Improves the Effectiveness of Immune Checkpoint Inhibitors in a Mouse Model of Pancreatic Cancer. <i>Cancer Research</i> , 2020, 80, 4754-4767.	0.9	37
21	Genetic Epidemiology and Nonsyndromic Structural Birth Defects. <i>JAMA Pediatrics</i> , 2014, 168, 371.	6.2	36
22	Stromal Protein Ecm1 Regulates Ureteric Bud Patterning and Branching. <i>PLoS ONE</i> , 2013, 8, e84155.	2.5	33
23	Role of theH19 gene in Syrian hamster embryo cell tumorigenicity. <i>Molecular Carcinogenesis</i> , 1997, 20, 189-193.	2.7	26
24	The Wnt/Beta-Catenin Pathway in Wilms Tumors and Prostate Cancers. <i>Current Molecular Medicine</i> , 2007, 7, 479-489.	1.3	25
25	Candidate genes for Alzheimer's disease are associated with individual differences in plasma levels of beta amyloid peptides in adults with Down syndrome. <i>Neurobiology of Aging</i> , 2015, 36, 2907.e1-2907.e10.	3.1	25
26	Integrative epigenomic and genomic filtering for methylation markers in hepatocellular carcinomas. <i>BMC Medical Genomics</i> , 2015, 8, 28.	1.5	24
27	Mouse-based genetic modeling and analysis of Down syndrome. <i>British Medical Bulletin</i> , 2016, 120, 111-122.	6.9	23
28	Allele-specific DNA methylation is increased in cancers and its dense mapping in normal plus neoplastic cells increases the yield of disease-associated regulatory SNPs. <i>Genome Biology</i> , 2020, 21, 153.	8.8	23
29	Plasma Total-Tau and Neurofilament Light Chain as Diagnostic Biomarkers of Alzheimer's Disease Dementia and Mild Cognitive Impairment in Adults with Down Syndrome. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 671-681.	2.6	23
30	Candidate gene analysis for Alzheimer's disease in adults with Down syndrome. <i>Neurobiology of Aging</i> , 2017, 56, 150-158.	3.1	22
31	A pan-cancer analysis of driver gene mutations, DNA methylation and gene expressions reveals that chromatin remodeling is a major mechanism inducing global changes in cancer epigenomes. <i>BMC Medical Genomics</i> , 2018, 11, 98.	1.5	21
32	Epidemiology of estrogen and dementia in women with Down syndrome. <i>Free Radical Biology and Medicine</i> , 2018, 114, 62-68.	2.9	18
33	Genetic and epigenetic pathways in Down syndrome: Insights to the brain and immune system from humans and mouse models. <i>Progress in Brain Research</i> , 2020, 251, 1-28.	1.4	13
34	Breast cancer family history and allele-specific DNA methylation in the legacy girls study. <i>Epigenetics</i> , 2018, 13, 240-250.	2.7	10
35	The Association between Sex and Risk of Alzheimer's Disease in Adults with Down Syndrome. <i>Journal of Clinical Medicine</i> , 2021, 10, 2966.	2.4	8
36	Mapping methylation quantitative trait loci in cardiac tissues nominates risk loci and biological pathways in congenital heart disease. <i>BMC Genomic Data</i> , 2021, 22, 20.	1.7	6

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37	Cancer epigenetics and targeted therapies. <i>Oncology</i> , 2011, 25, 228, 231.	0.5	6
38	Oral Rigosertib (ON 01910.Na) Treatment Produces An Encouraging Rate Of Transfusion Independence In Lower Risk Myelodysplastic Syndromes (MDS) Patients; A Genomic Methylation Profile Is Associated With Responses. <i>Blood</i> , 2013, 122, 2745-2745.	1.4	5
39	CloudASM: an ultra-efficient cloud-based pipeline for mapping allele-specific DNA methylation. <i>Bioinformatics</i> , 2020, 36, 3558-3560.	4.1	4
40	DNA methylation patterns in T lymphocytes are generally stable in human pregnancies but CD3 methylation is associated with perinatal psychiatric symptoms. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 3, 100044.	2.5	3
41	Epigenetic Silencing of BMP6 by the SIN3A HDAC1/2 Repressor Complex Drives Melanoma Metastasis via FAM83C/PAWS1. <i>Molecular Cancer Research</i> , 2022, 20, 217-230.	3.4	3
42	P1-268: Variants in candidate genes for Alzheimer's disease are associated with declining plasma abeta peptides in adults with down syndrome. , 2015, 11, P458-P458.		1