Benjamin Tycko

List of Publications by Year
in descending order

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42	3,147	257450	265206
papers	citations	24 h-index	42 g-index

47	47	47	5602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epigenetic Silencing of BMP6 by the SIN3Aâ€“HDAC1/2 Repressor Complex Drives Melanoma Metastasis via FAM83G/PAWS1. Molecular Cancer Research, 2022, 20, 217-230.	3.4	3
2	Plasma Total-Tau and Neurofilament Light Chain as Diagnostic Biomarkers of Alzheimerâ€™s Disease Dementia and Mild Cognitive Impairment in Adults with Down Syndrome. Journal of Alzheimer's Disease, 2021, 79, 671-681.	2.6	23
3	Mapping methylation quantitative trait loci in cardiac tissues nominates risk loci and biological pathways in congenital heart disease. BMC Genomic Data, 2021, 22, 20.	1.7	6
4	The Association between Sex and Risk of Alzheimerâ€™s Disease in Adults with Down Syndrome. Journal of Clinical Medicine, 2021, 10, 2966.	2.4	8
5	A DNA Hypomethylating Drug Alters the Tumor Microenvironment and Improves the Effectiveness of Immune Checkpoint Inhibitors in a Mouse Model of Pancreatic Cancer. Cancer Research, 2020, 80, 4754-4767.	0.9	37
6	Genetic and epigenetic pathways in Down syndrome: Insights to the brain and immune system from humans and mouse models. Progress in Brain Research, 2020, 251, 1-28.	1.4	13
7	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. Genome Biology, 2020, 21, 153.	8.8	23
8	DNA methylation patterns in T lymphocytes are generally stable in human pregnancies but CD3 methylation is associated with perinatal psychiatric symptoms. Brain, Behavior, & Immunity - Health, 2020, 3, 100044.	2.5	3
9	CloudASM: an ultra-efficient cloud-based pipeline for mapping allele-specific DNA methylation. Bioinformatics, 2020, 36, 3558-3560.	4.1	4
10	Breast cancer family history and allele-specific DNA methylation in the legacy girls study. Epigenetics, 2018, 13, 240-250.	2.7	10
11	Epidemiology of estrogen and dementia in women with Down syndrome. Free Radical Biology and Medicine, 2018, 114, 62-68.	2.9	18
12	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. BMC Medical Genomics, 2018, 11, 98.	1.5	21
13	Candidate gene analysis for Alzheimer's disease in adults with Down syndrome. Neurobiology of Aging, 2017, 56, 150-158.	3.1	22
14	Trans-acting epigenetic effects of chromosomal aneuploidies: lessons from Down syndrome and mouse models. Epigenomics, 2017, 9, 189-207.	2.1	52
15	Geneticâ€“epigenetic interactions in cis: a major focus in the post-GWAS era. Genome Biology, 2017, 18, 120.	8.8	109
16	The methyltransferase SETDB1 regulates a large neuron-specific topological chromatin domain. Nature Genetics, 2017, 49, 1239-1250.	21.4	133
17	Epigenetic Alterations Affecting Transcription Factors and Signaling Pathways in Stromal Cells of Endometriosis. PLoS ONE, 2017, 12, e0170859.	2.5	48
18	Mechanisms and Disease Associations of Haplotype-Dependent Allele-Specific DNA Methylation. American Journal of Human Genetics, 2016, 98, 934-955.	6.2	109

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19	Mouse-based genetic modeling and analysis of Down syndrome. British Medical Bulletin, 2016, 120, 111-122.	6.9	23
20	Distress During Pregnancy: Epigenetic Regulation of Placenta Glucocorticoid-Related Genes and Fetal Neurobehavior. American Journal of Psychiatry, 2016, 173, 705-713.	7.2	227
21	Trans effects of chromosome aneuploidies on DNA methylation patterns in human Down syndrome and mouse models. Genome Biology, 2015, 16, 263.	8.8	68
22	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
23	Integrative epigenomic and genomic filtering for methylation markers in hepatocellular carcinomas. BMC Medical Genomics, 2015, 8, 28.	1.5	24
24	Candidate genes for Alzheimer's disease are associated with individual differences in plasma levels of beta amyloid peptides in adults with Down syndrome. Neurobiology of Aging, 2015, 36, 2907.e1-2907.e10.	3.1	25
25	Genetic Epidemiology and Nonsyndromic Structural Birth Defects. JAMA Pediatrics, 2014, 168, 371.	6.2	36
26	Intramuscular Therapeutic Vaccination Targeting HPV16 Induces T Cell Responses That Localize in Mucosal Lesions. Science Translational Medicine, 2014, 6, 221ra13.	12.4	178
27	PHLDA3 is a novel tumor suppressor of pancreatic neuroendocrine tumors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2404-13.	7.1	85
28	Hypomethylating Therapy in an Aggressive Stroma-Rich Model of Pancreatic Carcinoma. Cancer Research, 2013, 73, 885-896.	0.9	71
29	Comparative Anatomy of Chromosomal Domains with Imprinted and Non-Imprinted Allele-Specific DNA Methylation. PLoS Genetics, 2013, 9, e1003622.	3.5	47
30	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. Blood, 2013, 122, 2745-2745.	1.4	5
31	Stromal Protein Ecm1 Regulates Ureteric Bud Patterning and Branching. PLoS ONE, 2013, 8, e84155.	2.5	33
32	Cancer epigenetics and targeted therapies. Oncology, 2011, 25, 228, 231.	0.5	6
33	Mapping Allele-Specific DNA Methylation: A New Tool for Maximizing Information from GWAS. American Journal of Human Genetics, 2010, 86, 109-112.	6.2	41
34	Allele-specific DNA methylation: beyond imprinting. Human Molecular Genetics, 2010, 19, R210-R220.	2.9	143
35	Genomic surveys by methylation-sensitive SNP analysis identify sequence-dependent allele-specific DNA methylation. Nature Genetics, 2008, 40, 904-908.	21.4	400
36	The Wnt/Beta-Catenin Pathway in Wilms Tumors and Prostate Cancers. Current Molecular Medicine, 2007, 7, 479-489.	1.3	25

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37	Physiological functions of imprinted genes. Journal of Cellular Physiology, 2002, 192, 245-258.	4.1	313
38	Role of theH19 gene in Syrian hamster embryo cell tumorigenicity. Molecular Carcinogenesis, 1997, 20, 189-193.	2.7	26
39	Effect of Age, Ethnicity, and Head Injury on the Association between APOE Genotypes and Alzheimer's Disease. Annals of the New York Academy of Sciences, 1996, 802, 6-15.	3.8	88
40	Onset of dementia is associated with apolipoprotein E Îµ4 in Down's syndrome. Annals of Neurology, 1996, 40, 799-801.	5.3	89
41	Creation of genomic methylation patterns. Nature Genetics, 1996, 12, 363-367.	21.4	301
42	Apolipoprotein E and alzheimer's disease: Ethnic variation in genotypic risks. Annals of Neurology, 1995, 37, 254-259.	5.3	246