Deanne M Taylor

List of Publications by Citations

103 papers	3,292 citations	26 h-index	56 g-index
135 ext. papers	4,284 ext. citations	7.1 avg, IF	4.93 L-index

#	Paper	IF	Citations
103	Blastocyst biopsy with comprehensive chromosome screening and fresh embryo transfer significantly increases in vitro fertilization implantation and delivery rates: a randomized controlled trial. *Fertility and Sterility*, **2013**, 100, 697-703	4.8	437
102	Powerful SNP-set analysis for case-control genome-wide association studies. *American Journal of Human Genetics*, **2010**, 86, 929-42	11	425
101	In vitro fertilization with single euploid blastocyst transfer: a randomized controlled trial. *Fertility and Sterility*, **2013**, 100, 100-7.e1	4.8	348
100	Development and validation of an accurate quantitative real-time polymerase chain reaction-based assay for human blastocyst comprehensive chromosomal aneuploidy screening. *Fertility and Sterility*, **2012**, 97, 819-24	4.8	185
99	Single embryo transfer with comprehensive chromosome screening results in improved ongoing pregnancy rates and decreased miscarriage rates. *Human Reproduction*, **2012**, 27, 1217-22	5.7	149
98	Evaluation of targeted next-generation sequencing-based preimplantation genetic diagnosis of monogenic disease. *Fertility and Sterility*, **2013**, 99, 1377-1384.e6	4.8	142
97	Clinical Sequencing Exploratory Research Consortium: Accelerating Evidence-Based Practice of Genomic Medicine. *American Journal of Human Genetics*, **2016**, 98, 1051-1066	11	107
96	Orientation of amide-nitrogen-15 chemical shift tensors in peptides: a quantum chemical study. *Journal of the American Chemical Society*, **2001**, 123, 914-22	16.4	87
95	Telomere DNA deficiency is associated with development of human embryonic aneuploidy. *PLoS Genetics*, **2011**, 7, e1002161	6	81
94	TMOD-19. GABRIELLA MILLER KIDS FIRST DATA RESOURCE CENTER: LARGE-SCALE HARMONIZED CLINICAL AND GENOMIC DATA PLATFORM TO SUPPORT CHILDHOOD CANCER AND STRUCTURAL BIRTH DEFECT RESEARCH. *Neuro-Oncology*, **2019**, 21, ii125-ii125	1	78
93	TBIO-27. GABRIELLA MILLER KIDS FIRST DATA RESOURCE CENTER ADVANCING GENETIC RESEARCH IN CHILDHOOD CANCER AND STRUCTURAL BIRTH DEFECTS THROUGH LARGE SCALE INTEGRATED DATA-DRIVEN DISCOVERY AND CLOUD-BASED PLATFORMS FOR COLLABORATIVE ANALYSIS. *Neuro-Oncology*, **2018**, 20, i186-i186	1	78
92	Splice variants of the relaxin and INSL3 receptors reveal unanticipated molecular complexity. *Molecular Human Reproduction*, **2005**, 11, 591-600	4.4	69
91	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. *Cell*, **2020**, 183, 1185-1201.e20	56.2	58
90	Massively Systematic Transcript End Readout, "MASTER": Transcription Start Site Selection, Transcriptional Slippage, and Transcript Yields. *Molecular Cell*, **2015**, 60, 953-65	17.6	54
89	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. *Cell*, **2020**, 183, 1162-1184	56.2	50
88	Multiplexed protein-DNA cross-linking: Scrunching in transcription start site selection. *Science*, **2016**, 351, 1090-3	33.3	45
87	Clinically recognizable error rate after the transfer of comprehensive chromosomal screened euploid embryos is low. *Fertility and Sterility*, **2014**, 102, 1613-8	4.8	45

86	A Recurrent Missense Variant in AP2M1 Impairs Clathrin-Mediated Endocytosis and Causes Developmental and Epileptic Encephalopathy. *American Journal of Human Genetics*, **2019**, 104, 1060-1072	11	39
85	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. *Developmental Cell*, **2019**, 49, 10-29	10.2	39
84	CapZyme-Seq Comprehensively Defines Promoter-Sequence Determinants for RNA 5SCapping with NAD. *Molecular Cell*, **2018**, 70, 553-564.e9	17.6	39
83	Uniparental disomy in the human blastocyst is exceedingly rare. *Fertility and Sterility*, **2014**, 101, 232-6	4.8	38
82	Genetic polymorphisms of peptidase inhibitor 3 (elafin) are associated with acute respiratory distress syndrome. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 41, 696-704	5.7	37
81	Rare copy number variants and congenital heart defects in the 22q11.2 deletion syndrome. *Human Genetics*, **2016**, 135, 273-85	6.3	31
80	Variability of Gene Expression Identifies Transcriptional Regulators of Early Human Embryonic Development. *PLoS Genetics*, **2015**, 11, e1005428	6	31
79	Retention of CD19 intron 2 contributes to CART-19 resistance in leukemias with subclonal frameshift mutations in CD19. *Leukemia*, **2020**, 34, 1202-1207	10.7	29
78	Aggressive triple negative breast cancers have unique molecular signature on the basis of mitochondrial genetic and functional defects. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1060-1071	6.9	26
77	Interactions between RNA polymerase and the core recognition element are a determinant of transcription start site selection. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E2899-905	11.5	25
76	Identification and characterization of Aurora kinase B and C variants associated with maternal aneuploidy. *Molecular Human Reproduction*, **2017**, 23, 406-416	4.4	24
75	Next Generation Sequencing-Based Comprehensive Chromosome Screening in Mouse Polar Bodies, Oocytes, and Embryos. *Biology of Reproduction*, **2016**, 94, 76	3.9	23
74	Genome-Wide Association Studies and Meta-Analyses for Congenital Heart Defects. *Circulation: Cardiovascular Genetics*, **2017**, 10, e001449		22
73	Multi-omics analysis of multiple missions to space reveal a theme of lipid dysregulation in mouse liver. *Scientific Reports*, **2019**, 9, 19195	4.9	21
72	The Genomics Research and Innovation Network: creating an interoperable, federated, genomics learning system. *Genetics in Medicine*, **2020**, 22, 371-380	8.1	19
71	Aberrant splicing in B-cell acute lymphoblastic leukemia. *Nucleic Acids Research*, **2018**, 46, 11357-11369	20.1	19
70	A roadmap for the Human Developmental Cell Atlas. *Nature*, **2021**, 597, 196-205	50.4	18
69	A New Era for Space Life Science: International Standards for Space Omics Processing. *Patterns*, **2020**, 1, 100148	5.1	16

68	Preclinical validation of a targeted next generation sequencing-based comprehensive chromosome screening methodology in human blastocysts. *Molecular Human Reproduction*, **2018**, 24, 37-45	4.4	15
67	Four hour 24 chromosome aneuploidy screening using high throughput PCR SNP allele ratio analyses. *Fertility and Sterility*, **2009**, 92, S49-S50	4.8	15
66	Analysis of dipolar-coupling-mediated coherence transfer in a homonuclear two spin-12 solid-state system. *Journal of Magnetic Resonance*, **1999**, 141, 18-28	3	15
65	Rare copy number variants in patients with congenital conotruncal heart defects. *Birth Defects Research*, **2017**, 109, 271-295	2.9	13
64	Sphingosine-1-phosphate receptor 3 in the medial prefrontal cortex promotes stress resilience by reducing inflammatory processes. *Nature Communications*, **2019**, 10, 3146	17.4	13
63	PANP - a New Method of Gene Detection on Oligonucleotide Expression Arrays **2007**,		13
62	What Every Reader Should Know About Studies Using Electronic Health Record Data but May Be Afraid to Ask. *Journal of Medical Internet Research*, **2021**, 23, e22219	7.6	13
61	Gonadotropin-releasing hormone agonists sensitize, and resensitize, prostate cancer cells to docetaxel in a p53-dependent manner. *PLoS ONE*, **2014**, 9, e93713	3.7	12
60	Dual targeting of tumor and endothelial cells by gonadotropin-releasing hormone agonists to reduce melanoma angiogenesis. *Endocrinology*, **2010**, 151, 4643-53	4.8	12
59	XACT-Seq Comprehensively Defines the Promoter-Position and Promoter-Sequence Determinants for Initial-Transcription Pausing. *Molecular Cell*, **2020**, 79, 797-811.e8	17.6	12
58	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. *JAMA Network Open*, **2021**, 4, e2112596	10.4	12
57	Antiinflammatory effects of aprepitant coadministration with cART regimen containing ritonavir in HIV-infected adults. *JCI Insight*, **2017**, 2,	9.9	11
56	Transient stabilization, rather than inhibition, of MYC amplifies extrinsic apoptosis and therapeutic responses in refractory B-cell lymphoma. *Leukemia*, **2019**, 33, 2429-2441	10.7	10
55	Optical mapping of the 22q11.2DS region reveals complex repeat structures and preferred locations for non-allelic homologous recombination (NAHR). *Scientific Reports*, **2020**, 10, 12235	4.9	10
54	Effect of gabapentin on sexual function in vulvodynia: a randomized, placebo-controlled trial. *American Journal of Obstetrics and Gynecology*, **2019**, 220, 89.e1-89.e8	6.4	10
53	Guidelines for reporting single-cell RNA-seq experiments. *Nature Biotechnology*, **2020**, 38, 1384-1386	44.5	9
52	Prolonged, Controlled Daytime versus Delayed Eating Impacts Weight and Metabolism. *Current Biology*, **2021**, 31, 650-657.e3	6.3	9
51	NASA GeneLab Platform Utilized for Biological Response to Space Radiation in Animal Models. *Cancers*, **2020**, 12,	6.6	8

50	Improved sensitivity to detect recombination using qPCR for Dyskeratosis Congenita PGD. *Journal of Assisted Reproduction and Genetics*, **2014**, 31, 1227-30	3.4	8
49	Computational analysis of 10,860 phenotypic annotations in individuals with SCN2A-related disorders. *Genetics in Medicine*, **2021**, 23, 1263-1272	8.1	8
48	A comparison of survival analysis methods for cancer gene expression RNA-Sequencing data. *Cancer Genetics*, **2019**, 235-236, 1-12	2.3	7
47	Trophectoderm DNA fingerprinting by quantitative real-time PCR successfully distinguishes sibling human embryos. *Journal of Assisted Reproduction and Genetics*, **2014**, 31, 1421-5	3.4	7
46	Role of miR-2392 in driving SARS-CoV-2 infection. *Cell Reports*, **2021**, 37, 109839	10.6	7
45	Chromosomal characteristics at cleavage and blastocyst stages from the same embryos. *Journal of Assisted Reproduction and Genetics*, **2015**, 32, 781-7	3.4	5
44	Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects. *PLoS ONE*, **2020**, 15, e0234357	3.7	5
43	Gene-based genome-wide association studies and meta-analyses of conotruncal heart defects. *PLoS ONE*, **2019**, 14, e0219926	3.7	5
42	The association of elevated maternal genetic risk scores for hypertension, type 2 diabetes and obesity and having a child with a congenital heart defect. *PLoS ONE*, **2019**, 14, e0216477	3.7	4
41	Derivation of a metabolic signature associated with bacterial meningitis in infants. *Pediatric Research*, **2020**, 88, 184-191	3.2	4
40	Lack of association of KATNAL1 gene sequence variants and azoospermia in humans. *Journal of Assisted Reproduction and Genetics*, **2014**, 31, 1065-71	3.4	4
39	Development and validation of a next-generation sequencing (NGS)-based 24-chromosome aneuploidy screening system. *Fertility and Sterility*, **2013**, 100, S82	4.8	4
38	A subset of the cumulus cell transcriptome is predictive of euploid human oocyte reproductive potential. *Fertility and Sterility*, **2010**, 94, S34-S35	4.8	4
37	Fusion Oncogenes Are Associated With Increased Metastatic Capacity and Persistent Disease in Pediatric Thyroid Cancers.. *Journal of Clinical Oncology*, **2022**, JCO2101861	2.2	4
36	a new method for pathway-based interpretation of gene expression variability. *PeerJ*, **2017**, 5, e3334	3.1	4
35	RNA-seq 2G: online analysis of differential gene expression with comprehensive options of statistical methods		4
34	The Great Deceiver: miR-2392's Hidden Role in Driving SARS-CoV-2 Infection **2021**,		4
33	NASA GeneLab RNA-seq consensus pipeline: standardized processing of short-read RNA-seq data. *IScience*, **2021**, 24, 102361	6.1	4

32	Personas for the translational workforce. *Journal of Clinical and Translational Science*, **2020**, 4, 286-293	0.4	3
31	Comprehensive chromosome screening (CCS) results in significantly higher pregnancy rates and lower loss rates from single embryo transfer (SET) in a poor prognosis population. *Fertility and Sterility*, **2011**, 96, S17	4.8	3
30	Comparative expression analysis of four breast cancer subtypes versus matched normal tissue from the same patients. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 109, 207-11	5.1	3
29	Coherence transfer through homonuclear dipolar coupling in an unoriented two spin-1/2 solid-state system. *Journal of Molecular Structure*, **2002**, 602-603, 115-124	3.4	3
28	Modulation of CD22 Protein Expression in Childhood Leukemia by Pervasive Splicing Aberrations: Implications for CD22-Directed Immunotherapies.. *Blood Cancer Discovery*, **2021**,	7	3
27	Modeling metabolic variation with single-cell expression data		3
26	The role of SRSF3 splicing factor in generating circular RNAs		3
25	Copy number variations in individuals with conotruncal heart defects reveal some shared developmental pathways irrespective of 22q11.2 deletion status. *Birth Defects Research*, **2019**, 111, 888-905	2.8	2
24	Scedar: A scalable Python package for single-cell RNA-seq exploratory data analysis. *PLoS Computational Biology*, **2020**, 16, e1007794	5	2
23	Visualizing electromagnetic fields in metals by MRI. *AIP Advances*, **2017**, 7, 025310	1.5	2
22	System-wide transcriptome damage and tissue identity loss in COVID-19 patients.. *Cell Reports Medicine*, **2022**, 3, 100522	18	2
21	Abstract 2464: Gabriella Miller Kids First Data Resource Center: Harmonizing clinical and genomic data to support childhood cancer and structural birth defect research **2019**,		2
20	Limits of Spatial Resolution of Phase Encoding Dimensions in MRI of Metals. *Journal of Physical Chemistry Letters*, **2019**, 10, 375-379	6.4	1
19	Differentiating septic children with and without acute respiratory distress syndrome using proteomics.. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2022**,	5.8	1
18	Common Variation in Cytoskeletal Genes is Associated with Conotruncal Heart Defects. *Genes*, **2021**, 12,	4.2	1
17	Promoter-sequence determinants and structural basis of primer-dependent transcription initiation in. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
16	0036 The Impact of Nighttime Eating: A Randomized Controlled Trial of Daytime vs. Delayed Eating on Weight and Metabolism in Adults of Normal Weight. *Sleep*, **2019**, 42, A15-A15	1.1	0
15	Betacoronavirus-specific alternate splicing.. *Genomics*, **2022**, 114, 110270	4.3	0

14	A transcriptome-based classifier to determine molecular subtypes in medulloblastoma. *PLoS Computational Biology*, **2020**, 16, e1008263	5	0
13	Translational Personas and Hospital Library Services. *Journal of Hospital Librarianship*, **2020**, 20, 204-216	0.3	0
12	An interdomain helix in IRE1 mediates the conformational change required for the sensor's activation. *Journal of Biological Chemistry*, **2021**, 296, 100781	5.4	0
11	Targeting CD123 in blastic plasmacytoid dendritic cell neoplasm using allogeneic anti-CD123 CAR T cells.. *Nature Communications*, **2022**, 13, 2228	17.4	0
10	Embryonic Aneuploidy Does Not Differ Amongst Major Ethnicities as Determined by Genotyping. *Fertility and Sterility*, **2015**, 103, e21	4.8	
9	Markers of Ovarian Reserve Do Not Differ Amongst Major Ethnicities as Determined by Genotyping. *Fertility and Sterility*, **2015**, 103, e6	4.8	
8	Gene-Interaction-Sensitive enrichment analysis in congenital heart disease.. *BioData Mining*, **2022**, 15, 4	4.3	
7	Efficacy Proof of Concept for Allogeneic CD123 Targeting CAR T-Cells Against Primary Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN): Efficient Control of Tumor Progression in PDX Model and Potential Loss of CD123 Expression in Relapsed Disease. *Blood*, **2019**, 134, 2659-2659	2.2	
6	Aneuploid Human Oocytes and Embryos Possess Significantly Reduced Quantities of Telomere DNA.. *Biology of Reproduction*, **2010**, 83, 10-10	3.9	
5	Genetic Mutation that May Contribute to Failure of Prolapse Surgery in White Women: A Case-Control Study. *Journal of Minimally Invasive Gynecology*, **2016**, 23, 726-30	2.2	
4	Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects **2020**, 15, e0234357		
3	Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects **2020**, 15, e0234357		
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