

Dylan J Taatjes

List of Publications by Citations

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56
papers

6,288
citations

29
h-index

61
g-index

61
ext. papers

7,798
ext. citations

16.5
avg, IF

6.13
L-index

#	Paper	IF	Citations
56	Mediator and cohesin connect gene expression and chromatin architecture. <i>Nature</i> , 2010 , 467, 430-5	50.4	1410
55	Activating RNAs associate with Mediator to enhance chromatin architecture and transcription. <i>Nature</i> , 2013 , 494, 497-501	50.4	646
54	Transcription Factors Activate Genes through the Phase-Separation Capacity of Their Activation Domains. <i>Cell</i> , 2018 , 175, 1842-1855.e16	56.2	636
53	The Mediator complex: a central integrator of transcription. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 155-66	48.7	500
52	CDK8 is a positive regulator of transcriptional elongation within the serum response network. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 194-201	17.6	258
51	PolII phosphorylation regulates a switch between transcriptional and splicing condensates. <i>Nature</i> , 2019 , 572, 543-548	50.4	255
50	The human Mediator complex: a versatile, genome-wide regulator of transcription. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 315-22	10.3	247
49	The human CDK8 subcomplex is a molecular switch that controls Mediator coactivator function. <i>Genes and Development</i> , 2009 , 23, 439-51	12.6	246
48	Mediator kinase inhibition further activates super-enhancer-associated genes in AML. <i>Nature</i> , 2015 , 526, 273-276	50.4	226
47	CDK8 kinase phosphorylates transcription factor STAT1 to selectively regulate the interferon response. <i>Immunity</i> , 2013 , 38, 250-62	32.3	165
46	The human CDK8 subcomplex is a histone kinase that requires Med12 for activity and can function independently of mediator. <i>Molecular and Cellular Biology</i> , 2009 , 29, 650-61	4.8	163
45	Regulatory diversity among metazoan co-activator complexes. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 403-10	48.7	127
44	Partitioning of cancer therapeutics in nuclear condensates. <i>Science</i> , 2020 , 368, 1386-1392	33.3	120
43	Redox pathway leading to the alkylation of DNA by the anthracycline, antitumor drugs adriamycin and daunomycin. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 1276-86	8.3	103
42	TRIM28 regulates RNA polymerase II promoter-proximal pausing and pause release. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 876-83	17.6	87
41	The SCF-Fbw7 ubiquitin ligase degrades MED13 and MED13L and regulates CDK8 module association with Mediator. <i>Genes and Development</i> , 2013 , 27, 151-6	12.6	87
40	Activator-Mediator binding regulates Mediator-cofactor interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11283-8	11.5	86

39	Identification of Mediator Kinase Substrates in Human Cells using Cortistatin A and Quantitative Phosphoproteomics. <i>Cell Reports</i> , 2016 , 15, 436-50	10.6	86
38	Mediator Condensates Localize Signaling Factors to Key Cell Identity Genes. <i>Molecular Cell</i> , 2019 , 76, 753-766.e6	17.6	81
37	Architecture of the Human and Yeast General Transcription and DNA Repair Factor TFIIH. <i>Molecular Cell</i> , 2015 , 59, 794-806	17.6	75
36	Human TFIIH Kinase CDK7 Regulates Transcription-Associated Chromatin Modifications. <i>Cell Reports</i> , 2017 , 20, 1173-1186	10.6	71
35	Structure and mechanism of the RNA polymerase II transcription machinery. <i>Genes and Development</i> , 2020 , 34, 465-488	12.6	67
34	Doxoform and Daunoform: anthracycline-formaldehyde conjugates toxic to resistant tumor cells. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 2452-61	8.3	66
33	Backtracked and paused transcription initiation intermediate of Escherichia coli RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6562-E6571	11.5	54
32	The essential and multifunctional TFIIH complex. <i>Protein Science</i> , 2018 , 27, 1018-1037	6.3	53
31	Regulatory functions of the Mediator kinases CDK8 and CDK19. <i>Transcription</i> , 2019 , 10, 76-90	4.8	53
30	A Kinase-Independent Role for Cyclin-Dependent Kinase 19 in p53 Response. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	43
29	The complex structure and function of Mediator. <i>Journal of Biological Chemistry</i> , 2018 , 293, 13778-13785	5.4	43
28	Nuclear targeting and nuclear retention of anthracycline-formaldehyde conjugates implicates DNA covalent bonding in the cytotoxic mechanism of anthracyclines. <i>Chemical Research in Toxicology</i> , 1999 , 12, 588-96	4	34
27	TFIID Enables RNA Polymerase II Promoter-Proximal Pausing. <i>Molecular Cell</i> , 2020 , 78, 785-793.e8	17.6	28
26	Transcriptional Responses to IFN- β Require Mediator Kinase-Dependent Pause Release and Mechanistically Distinct CDK8 and CDK19 Functions. <i>Molecular Cell</i> , 2019 , 76, 485-499.e8	17.6	24
25	Epidoxoform: a hydrolytically more stable anthracycline-formaldehyde conjugate toxic to resistant tumor cells. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 1306-14	8.3	19
24	The Continuing SAGA of TFIID and RNA Polymerase II Transcription. <i>Molecular Cell</i> , 2017 , 68, 1-2	17.6	18
23	Selective inhibition of CDK7 reveals high-confidence targets and new models for TFIIH function in transcription. <i>Genes and Development</i> , 2020 , 34, 1452-1473	12.6	18
22	The nuclear interactome of DYRK1A reveals a functional role in DNA damage repair. <i>Scientific Reports</i> , 2019 , 9, 6539	4.9	12

21	The human Δ p53 isoform triggers metabolic and gene expression changes that activate mTOR and alter mitochondrial function. <i>Aging Cell</i> , 2013 , 12, 863-72	9.9	10
20	Merging Established Mechanisms with New Insights: Condensates, Hubs, and the Regulation of RNA Polymerase II Transcription. <i>Journal of Molecular Biology</i> , 2021 , 167216	6.5	7
19	Studying transcription initiation by RNA polymerase with diffusion-based single-molecule fluorescence. <i>Protein Science</i> , 2017 , 26, 1278-1290	6.3	6
18	Small molecule probes to target the human Mediator complex. <i>Israel Journal of Chemistry</i> , 2013 , 53, 588-595	3.4	6
17	Transcription factor enrichment analysis (TFEA) quantifies the activity of multiple transcription factors from a single experiment. <i>Communications Biology</i> , 2021 , 4, 661	6.7	6
16	The Role of XPB/Xsl2 dsDNA Translocase Processivity in Transcription Start-site Scanning. <i>Journal of Molecular Biology</i> , 2021 , 433, 166813	6.5	6
15	The Mediator complex as a master regulator of transcription by RNA polymerase II. <i>Nature Reviews Molecular Cell Biology</i> ,	48.7	6
14	Chemical Synthesis of the Multiply Phosphorylated and Biotinylated N-Terminal Transactivation Domain of Human p53 (p53TAD). <i>Synlett</i> , 2017 , 28, 1917-1922	2.2	4
13	Everything at once: cryo-EM yields remarkable insights into human RNA polymerase II transcription. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 540-543	17.6	4
12	The Mediator kinase module: an interface between cell signaling and transcription.. <i>Trends in Biochemical Sciences</i> , 2022 ,	10.3	4
11	All in the family: a portrait of a nuclear receptor co-activator complex. <i>Molecular Cell</i> , 2015 , 57, 952-954	17.6	3
10	Mediator redefines itself. <i>Cell Research</i> , 2014 , 24, 775-6	24.7	3
9	A Novel Initiation Pathway in Escherichia Coli Transcription		3
8	The Δ p53 isoform inhibits p53-dependent eRNA transcription and enables regulation by signal-specific transcription factors during p53 activation. <i>PLoS Biology</i> , 2021 , 19, e3001364	9.7	3
7	Molecular biology: Mediating transcription and RNA export. <i>Nature</i> , 2015 , 526, 199-200	50.4	2
6	Transcription Factor-Mediator Interfaces: Multiple and Multi-Valent. <i>Journal of Molecular Biology</i> , 2017 , 429, 2996-2998	6.5	2
5	Transcription factor enrichment analysis (TFEA): Quantifying the activity of hundreds of transcription factors from a single experiment		2
4	Suppression of p53 response by targeting p53-Mediator binding with a stapled peptide.. <i>Cell Reports</i> , 2022 , 39, 110630	10.6	1

- 3 Mediator co-activator function is controlled by activator-induced structural shifts. *FASEB Journal*, **2010**, 24, 679.4 0.9
- 2 CDK8 is a positive regulator of transcriptional elongation within the serum response network.. *FASEB Journal*, **2010**, 24, 456.5 0.9
- 1 Structure and Mechanism of the human Transcription Initiation Machinery. *FASEB Journal*, **2012**, 26, 227.0.9