Dylan J Taatjes

List of Publications by Year in Descending Order

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	Suppression of p53 response by targeting p53-Mediator binding with a stapled peptide.. *Cell Reports*, **2022**, 39, 110630	10.6	1
55	The Mediator kinase module: an interface between cell signaling and transcription.. *Trends in Biochemical Sciences*, **2022**,	10.3	4
54	Everything at once: cryo-EM yields remarkable insights into human RNA polymerase II transcription. *Nature Structural and Molecular Biology*, **2021**, 28, 540-543	17.6	4
53	Transcription factor enrichment analysis (TFEA) quantifies the activity of multiple transcription factors from a single experiment. *Communications Biology*, **2021**, 4, 661	6.7	6
52	The Δ40p53 isoform inhibits p53-dependent eRNA transcription and enables regulation by signal-specific transcription factors during p53 activation. *PLoS Biology*, **2021**, 19, e3001364	9.7	3
51	Merging Established Mechanisms with New Insights: Condensates, Hubs, and the Regulation of RNA Polymerase II Transcription. *Journal of Molecular Biology*, **2021**, 167216	6.5	7
50	The Role of XPB/Ssl2 dsDNA Translocase Processivity in Transcription Start-site Scanning. *Journal of Molecular Biology*, **2021**, 433, 166813	6.5	6
49	Partitioning of cancer therapeutics in nuclear condensates. *Science*, **2020**, 368, 1386-1392	33.3	120
48	Structure and mechanism of the RNA polymerase II transcription machinery. *Genes and Development*, **2020**, 34, 465-488	12.6	67
47	TFIID Enables RNA Polymerase II Promoter-Proximal Pausing. *Molecular Cell*, **2020**, 78, 785-793.e8	17.6	28
46	Selective inhibition of CDK7 reveals high-confidence targets and new models for TFIIH function in transcription. *Genes and Development*, **2020**, 34, 1452-1473	12.6	18
45	Transcriptional Responses to IFN-γ Require Mediator Kinase-Dependent Pause Release and Mechanistically Distinct CDK8 and CDK19 Functions. *Molecular Cell*, **2019**, 76, 485-499.e8	17.6	24
44	Mediator Condensates Localize Signaling Factors to Key Cell Identity Genes. *Molecular Cell*, **2019**, 76, 753-766.e6	17.6	81
43	The nuclear interactome of DYRK1A reveals a functional role in DNA damage repair. *Scientific Reports*, **2019**, 9, 6539	4.9	12
42	Pol II phosphorylation regulates a switch between transcriptional and splicing condensates. *Nature*, **2019**, 572, 543-548	50.4	255
41	Regulatory functions of the Mediator kinases CDK8 and CDK19. *Transcription*, **2019**, 10, 76-90	4.8	53
40	The essential and multifunctional TFIIH complex. *Protein Science*, **2018**, 27, 1018-1037	6.3	53

39	The complex structure and function of Mediator. *Journal of Biological Chemistry*, **2018**, 293, 13778-13785	5.4	43
38	Transcription Factors Activate Genes through the Phase-Separation Capacity of Their Activation Domains. *Cell*, **2018**, 175, 1842-1855.e16	56.2	636
37	A Kinase-Independent Role for Cyclin-Dependent Kinase 19 in p53 Response. *Molecular and Cellular Biology*, **2017**, 37,	4.8	43
36	Studying transcription initiation by RNA polymerase with diffusion-based single-molecule fluorescence. *Protein Science*, **2017**, 26, 1278-1290	6.3	6
35	The Continuing SAGA of TFIID and RNA Polymerase II Transcription. *Molecular Cell*, **2017**, 68, 1-2	17.6	18
34	Chemical Synthesis of the Multiply Phosphorylated and Biotinylated N-Terminal Transactivation Domain of Human p53 (p53TAD). *Synlett*, **2017**, 28, 1917-1922	2.2	4
33	Human TFIIH Kinase CDK7 Regulates Transcription-Associated Chromatin Modifications. *Cell Reports*, **2017**, 20, 1173-1186	10.6	71
32	Transcription Factor-Mediator Interfaces: Multiple and Multi-Valent. *Journal of Molecular Biology*, **2017**, 429, 2996-2998	6.5	2
31	Identification of Mediator Kinase Substrates in Human Cells using Cortistatin A and Quantitative Phosphoproteomics. *Cell Reports*, **2016**, 15, 436-50	10.6	86
30	Backtracked and paused transcription initiation intermediate of Escherichia coli RNA polymerase. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E6562-E6571	11.5	54
29	All in the family: a portrait of a nuclear receptor co-activator complex. *Molecular Cell*, **2015**, 57, 952-954	17.6	3
28	Mediator kinase inhibition further activates super-enhancer-associated genes in AML. *Nature*, **2015**, 526, 273-276	50.4	226
27	Molecular biology: Mediating transcription and RNA export. *Nature*, **2015**, 526, 199-200	50.4	2
26	Architecture of the Human and Yeast General Transcription and DNA Repair Factor TFIIH. *Molecular Cell*, **2015**, 59, 794-806	17.6	75
25	The Mediator complex: a central integrator of transcription. *Nature Reviews Molecular Cell Biology*, **2015**, 16, 155-66	48.7	500
24	Mediator redefines itself. *Cell Research*, **2014**, 24, 775-6	24.7	3
23	TRIM28 regulates RNA polymerase II promoter-proximal pausing and pause release. *Nature Structural and Molecular Biology*, **2014**, 21, 876-83	17.6	87
22	The SCF-Fbw7 ubiquitin ligase degrades MED13 and MED13L and regulates CDK8 module association with Mediator. *Genes and Development*, **2013**, 27, 151-6	12.6	87

21	Activating RNAs associate with Mediator to enhance chromatin architecture and transcription. *Nature*, **2013**, 494, 497-501	50.4	646
20	CDK8 kinase phosphorylates transcription factor STAT1 to selectively regulate the interferon response. *Immunity*, **2013**, 38, 250-62	32.3	165
19	Small molecule probes to target the human Mediator complex. *Israel Journal of Chemistry*, **2013**, 53, 588-595	3.4	6
18	The human Δ133p53 isoform triggers metabolic and gene expression changes that activate mTOR and alter mitochondrial function. *Aging Cell*, **2013**, 12, 863-72	9.9	10
17	Structure and Mechanism of the human Transcription Initiation Machinery. *FASEB Journal*, **2012**, 26, 227.1	0.9	
16	CDK8 is a positive regulator of transcriptional elongation within the serum response network. *Nature Structural and Molecular Biology*, **2010**, 17, 194-201	17.6	258
15	Mediator and cohesin connect gene expression and chromatin architecture. *Nature*, **2010**, 467, 430-5	50.4	1410
14	Activator-Mediator binding regulates Mediator-cofactor interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11283-8	11.5	86
13	The human Mediator complex: a versatile, genome-wide regulator of transcription. *Trends in Biochemical Sciences*, **2010**, 35, 315-22	10.3	247
12	Mediator co-activator function is controlled by activator-induced structural shifts. *FASEB Journal*, **2010**, 24, 679.4	0.9	
11	CDK8 is a positive regulator of transcriptional elongation within the serum response network.. *FASEB Journal*, **2010**, 24, 456.5	0.9	
10	The human CDK8 subcomplex is a molecular switch that controls Mediator coactivator function. *Genes and Development*, **2009**, 23, 439-51	12.6	246
9	The human CDK8 subcomplex is a histone kinase that requires Med12 for activity and can function independently of mediator. *Molecular and Cellular Biology*, **2009**, 29, 650-61	4.8	163
8	Regulatory diversity among metazoan co-activator complexes. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 403-10	48.7	127
7	Nuclear targeting and nuclear retention of anthracycline-formaldehyde conjugates implicates DNA covalent bonding in the cytotoxic mechanism of anthracyclines. *Chemical Research in Toxicology*, **1999**, 12, 588-96	4	34
6	Epidoxoform: a hydrolytically more stable anthracycline-formaldehyde conjugate toxic to resistant tumor cells. *Journal of Medicinal Chemistry*, **1998**, 41, 1306-14	8.3	19
5	Doxoform and Daunoform: anthracycline-formaldehyde conjugates toxic to resistant tumor cells. *Journal of Medicinal Chemistry*, **1997**, 40, 2452-61	8.3	66
4	Redox pathway leading to the alkylation of DNA by the anthracycline, antitumor drugs adriamycin and daunomycin. *Journal of Medicinal Chemistry*, **1997**, 40, 1276-86	8.3	103

List of Publications

3	A Novel Initiation Pathway in Escherichia Coli Transcription		3
2	Transcription factor enrichment analysis (TFEA): Quantifying the activity of hundreds of transcription factors from a single experiment		2
1	The Mediator complex as a master regulator of transcription by RNA polymerase II. *Nature Reviews Molecular Cell Biology*,	48.7	6