

# Martin Teichmann

## List of Publications by Year in descending order

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44  
papers

3,098  
citations

236925

25  
h-index

233421

45  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4703  
citing authors

#	ARTICLE	IF	CITATIONS
1	The expanding RNA polymerase III transcriptome. Trends in Genetics, 2007, 23, 614-622.	6.7	447
2	Activation and repression by oncogenic MYC shape tumour-specific gene expression profiles. Nature, 2014, 511, 483-487.	27.8	392
3	CRISPR-Cas9 genome editing induces megabase-scale chromosomal truncations. Nature Communications, 2019, 10, 1136.	12.8	292
4	Mutations of POLR3A Encoding a Catalytic Subunit of RNA Polymerase Pol III Cause a Recessive Hypomyelinating Leukodystrophy. American Journal of Human Genetics, 2011, 89, 415-423.	6.2	219
5	Spermiogenesis Deficiency in Mice Lacking the Trf2 Gene. Science, 2001, 292, 1153-1155.	12.6	176
6	Recessive Mutations in POLR3B, Encoding the Second Largest Subunit of Pol III, Cause a Rare Hypomyelinating Leukodystrophy. American Journal of Human Genetics, 2011, 89, 652-655.	6.2	139
7	RNA polymerase III transcription control elements: Themes and variations. Gene, 2012, 493, 185-194.	2.2	123
8	Human TATA-binding protein-related factor-2 (hTRF2) stably associates with hTFIIA in HeLa cells. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13720-13725.	7.1	109
9	Nuclear particles containing RNA polymerase III complexes associated with the junctional plaque protein plakophilin 2. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7795-7800.	7.1	108
10	PTEN Represses RNA Polymerase III-Dependent Transcription by Targeting the TFIIIB Complex. Molecular and Cellular Biology, 2008, 28, 4204-4214.	2.3	93
11	A stable complex of a novel transcription factor IIB-related factor, human TFIIIB50, and associated proteins mediate selective transcription by RNA polymerase III of genes with upstream promoter elements. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14200-14205.	7.1	71
12	TFIIIC Binding to Alu Elements Controls Gene Expression via Chromatin Looping and Histone Acetylation. Molecular Cell, 2020, 77, 475-487.e11.	9.7	65
13	Widespread occurrence of non-canonical transcription termination by human RNA polymerase III. Nucleic Acids Research, 2011, 39, 5499-5512.	14.5	64
14	Two isoforms of human RNA polymerase III with specific functions in cell growth and transformation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4176-4181.	7.1	62
15	Cell growth- and differentiation-dependent regulation of RNA polymerase III transcription. Cell Cycle, 2010, 9, 3711-3723.	2.6	59
16	Mutation in <i>POLR3K</i> causes hypomyelinating leukodystrophy and abnormal ribosomal RNA regulation. Neurology: Genetics, 2018, 4, e289.	1.9	55
17	TRM6/61 connects PKC $\delta$ with translational control through tRNA <sup>iMet</sup> stabilization: impact on tumorigenesis. Oncogene, 2016, 35, 1785-1796.	5.9	53
18	Structure-function analysis of hRPC62 provides insights into RNA polymerase III transcription initiation. Nature Structural and Molecular Biology, 2011, 18, 352-358.	8.2	43

#	ARTICLE	IF	CITATIONS
19	TATA-Binding Protein (TBP)-Like Factor (TLF) Is a Functional Regulator of Transcription: Reciprocal Regulation of the Neurofibromatosis Type 1 and c- fos Genes by TLF/TRF2 and TBP. <i>Molecular and Cellular Biology</i> , 2005, 25, 2632-2643.	2.3	42
20	Structural and functional aspects of winged-helix domains at the core of transcription initiation complexes. <i>Transcription</i> , 2012, 3, 2-7.	3.1	42
21	Characterization of the human beta-globin downstream promoter region. <i>Nucleic Acids Research</i> , 2003, 31, 1292-1301.	14.5	41
22	Leukodystrophy-associated POLR3A mutations down-regulate the RNA polymerase III transcript and important regulatory RNA BC200. <i>Journal of Biological Chemistry</i> , 2019, 294, 7445-7459.	3.4	39
23	Identification, Molecular Cloning, and Characterization of the Sixth Subunit of Human Transcription Factor TFIIC. <i>Journal of Biological Chemistry</i> , 2007, 282, 17179-17189.	3.4	35
24	Absence of neurological abnormalities in mice homozygous for the Polr3a G672E hypomyelinating leukodystrophy mutation. <i>Molecular Brain</i> , 2017, 10, 13.	2.6	33
25	Effects on prostate cancer cells of targeting RNA polymerase III. <i>Nucleic Acids Research</i> , 2019, 47, 3937-3956.	14.5	30
26	RNA Polymerase III Subunit Mutations in Genetic Diseases. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 696438.	3.5	28
27	Functional interchangeability of TFIIB components from yeast and human cells invitro. <i>EMBO Journal</i> , 1997, 16, 4708-4716.	7.8	27
28	Fusion-mediated chromosomal instability promotes aneuploidy patterns that resemble human tumors. <i>Oncogene</i> , 2019, 38, 6083-6094.	5.9	23
29	Regulation of RNA polymerase III transcription during transformation of human IMR90 fibroblasts with defined genetic elements. <i>Cell Cycle</i> , 2018, 17, 605-615.	2.6	21
30	Growth signals employ CGGBP1 to suppress transcription of Alu-SINEs. <i>Cell Cycle</i> , 2016, 15, 1558-1571.	2.6	20
31	Transcription Factor (TF)-like Nuclear Regulator, the 250-kDa Form of Homo sapiens TFIIB <sup>Δ3</sup> , Is an Essential Component of Human TFIIC1 Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 27022-27029.	3.4	18
32	Contributions of in vitro transcription to the understanding of human RNA polymerase III transcription. <i>Transcription</i> , 2014, 5, e27526.	3.1	18
33	General transcription factors and subunits of RNA polymerase III. <i>Transcription</i> , 2010, 1, 130-135.	3.1	16
34	ZBTB17 ( MIZ1 ) Is Important for the Cardiac Stress Response and a Novel Candidate Gene for Cardiomyopathy and Heart Failure. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 643-652.	5.1	12
35	Physical and immunological characterization of human transcription factor IIIA. <i>FEBS Journal</i> , 1990, 194, 167-174.	0.2	11
36	Structural analysis of human RPC32 <sup>Δ2</sup> â€‘RPC62 complex. <i>Journal of Structural Biology</i> , 2015, 192, 313-319.	2.8	11

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37	Surface bound <sc>VEGF</sc> mimicking peptide maintains endothelial cell proliferation in the absence of soluble <sc>VEGF</sc> <i>in vitro</i>. Journal of Biomedical Materials Research - Part A, 2016, 104, 1425-1436.	4.0	11
38	RNA Polymerase III Transcription â€œ Regulated by Chromatin Structure and Regulator of Nuclear Chromatin Organization. Sub-Cellular Biochemistry, 2013, 61, 261-287.	2.4	10
39	The hRPC62 subunit of human RNA polymerase III displays helicase activity. Nucleic Acids Research, 2019, 47, 10313-10326.	14.5	9
40	Genes for human general transcription initiation factors TFIIIB, TFIIIB-associated proteins, TFIIIC2 and PTF/SNAPC: functional and positional candidates for tumour predisposition or inherited genetic diseases?. Oncogene, 2001, 20, 4877-4883.	5.9	8
41	TIPT2 and geminin interact with basal transcription factors to synergize in transcriptional regulation. BMC Biochemistry, 2009, 10, 16.	4.4	7
42	hTFIIIB-Î² stably binds to pol II promoters and recruits RNA polymerase III in a hTFIIIC1 dependent way 1 Edited by M. Yaniv. Journal of Molecular Biology, 1998, 284, 7-20.	4.2	6
43	An RNA Polymerase III General Transcription Factor Engages in Cell Type-Specific Chromatin Looping. International Journal of Molecular Sciences, 2022, 23, 2260.	4.1	4
44	Activation and repression at the heart of human RNA polymerase III. Nature Structural and Molecular Biology, 2021, 28, 124-126.	8.2	2