

# Michael F Jantsch

## List of Publications by Year in descending order

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77  
papers

6,305  
citations

101543

36  
h-index

74163

75  
g-index

80  
all docs

80  
docs citations

80  
times ranked

6096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic identification of abundant A-to-I editing sites in the human transcriptome. <i>Nature Biotechnology</i> , 2004, 22, 1001-1005.	17.5	740
2	A conserved double-stranded RNA-binding domain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 10979-10983.	7.1	539
3	PARP is important for genomic stability but dispensable in apoptosis. <i>Genes and Development</i> , 1997, 11, 2347-2358.	5.9	511
4	The RNA-Editing Enzyme ADAR1 Controls Innate Immune Responses to RNA. <i>Cell Reports</i> , 2014, 9, 1482-1494.	6.4	508
5	A <i>Caenorhabditis elegans</i> cohesion protein with functions in meiotic chromosome pairing and disjunction. <i>Genes and Development</i> , 2001, 15, 1349-1360.	5.9	304
6	RNA Chaperones, RNA Annealers and RNA Helicases. <i>RNA Biology</i> , 2007, 4, 118-130.	3.1	279
7	The Aurora B Kinase AIR-2 Regulates Kinetochores during Mitosis and Is Required for Separation of Homologous Chromosomes during Meiosis. <i>Current Biology</i> , 2002, 12, 798-812.	3.9	220
8	Evolutionarily conserved human targets of adenosine to inosine RNA editing. <i>Nucleic Acids Research</i> , 2005, 33, 1162-1168.	14.5	177
9	RNA editing level in the mouse is determined by the genomic repeat repertoire. <i>Rna</i> , 2006, 12, 1802-1809.	3.5	135
10	Inosine induces context-dependent recoding and translational stalling. <i>Nucleic Acids Research</i> , 2019, 47, 3-14.	14.5	128
11	Specificity of ADAR-mediated RNA editing in newly identified targets. <i>Rna</i> , 2008, 14, 1110-1118.	3.5	124
12	Rapid and dynamic transcriptome regulation by RNA editing and RNA modifications. <i>Journal of Cell Biology</i> , 2016, 213, 15-22.	5.2	115
13	Understanding RNA modifications: the promises and technological bottlenecks of the "epitranscriptome". <i>Open Biology</i> , 2017, 7, 170077.	3.6	112
14	RNA-Regulated Interaction of Transportin-1 and Exportin-5 with the Double-Stranded RNA-Binding Domain Regulates Nucleocytoplasmic Shuttling of ADAR1. <i>Molecular and Cellular Biology</i> , 2009, 29, 1487-1497.	2.3	111
15	Nucleocytoplasmic Distribution of Human RNA-editing Enzyme ADAR1 Is Modulated by Double-stranded RNA-binding Domains, a Leucine-rich Export Signal, and a Putative Dimerization Domain. <i>Molecular Biology of the Cell</i> , 2002, 13, 3822-3835.	2.1	110
16	Targeted Gene Knockout Reveals a Role in Meiotic Recombination for ZHP-3, a Zip3-Related Protein in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 7998-8006.	2.3	110
17	The Human But Not the <i>Xenopus</i> RNA-editing Enzyme ADAR1 Has an Atypical Nuclear Localization Signal and Displays the Characteristics of a Shuttling Protein. <i>Molecular Biology of the Cell</i> , 2001, 12, 1911-1924.	2.1	103
18	A high resolution A-to-I editing map in the mouse identifies editing events controlled by pre-mRNA splicing. <i>Genome Research</i> , 2019, 29, 1453-1463.	5.5	90

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19	Regulation of glutamate receptor B pre-mRNA splicing by RNA editing. <i>Nucleic Acids Research</i> , 2007, 35, 3723-3732.	14.5	87
20	<scp>RNA</scp> editing of Filamin A preâ€•<scp>mRNA</scp> regulates vascular contraction and diastolic blood pressure. <i>EMBO Journal</i> , 2018, 37, .	7.8	86
21	Adenosine deaminases that act on RNA induce reproducible changes in abundance and sequence of embryonic miRNAs. <i>Genome Research</i> , 2012, 22, 1468-1476.	5.5	80
22	A high-throughput screen to identify enhancers of ADAR-mediated RNA-editing. <i>RNA Biology</i> , 2013, 10, 192-204.	3.1	70
23	A bimodular nuclear localization signal assembled via an extended double-stranded RNA-binding domain acts as an RNA-sensing signal for transportin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1852-61.	7.1	70
24	Comparative Mutational Analysis of the Double-stranded RNA Binding Domains of <i>Xenopus laevis</i> RNA-binding Protein A. <i>Journal of Biological Chemistry</i> , 1996, 271, 28112-28119.	3.4	69
25	New and old roles of the double-stranded RNA-binding domain. <i>Journal of Structural Biology</i> , 2002, 140, 147-153.	2.8	69
26	RNA-interacting proteins act as site-specific repressors of ADAR2-mediated RNA editing and fluctuate upon neuronal stimulation. <i>Nucleic Acids Research</i> , 2013, 41, 2581-2593.	14.5	69
27	Transcript Diversification in the Nervous System: A to I RNA Editing in CNS Function and Disease Development. <i>Frontiers in Neuroscience</i> , 2012, 6, 99.	2.8	67
28	Proteome diversification by adenosine to inosine RNA-editing. <i>RNA Biology</i> , 2010, 7, 205-212.	3.1	66
29	Characterisation of pericentromeric and sticky intercalary heterochromatin in <i>Ornithogalum longibracteatum</i> (Hyacinthaceae). <i>Chromosoma</i> , 2001, 110, 203-213.	2.2	52
30	Xlrpba, a Double-stranded RNA-binding Protein Associated with Ribosomes and Heterogeneous Nuclear RNPs. <i>Journal of Cell Biology</i> , 1997, 138, 239-253.	5.2	50
31	Meiotic chromosome behaviour reflects levels of sequence divergence in <i>Sus scrofa domestica</i> satellite DNA. <i>Chromosoma</i> , 1990, 99, 330-335.	2.2	48
32	The <i>Caenorhabditis elegans</i> SCC-3 homologue is required for meiotic synapsis and for proper chromosome disjunction in mitosis and meiosis. <i>Experimental Cell Research</i> , 2003, 289, 245-255.	2.6	46
33	Adenosine to Inosine editing frequency controlled by splicing efficiency. <i>Nucleic Acids Research</i> , 2016, 44, 6398-6408.	14.5	43
34	SINE RNA Induces Severe Developmental Defects in <i>Arabidopsis thaliana</i> and Interacts with HYL1 (DRB1), a Key Member of the DCL1 Complex. <i>PLoS Genetics</i> , 2008, 4, e1000096.	3.5	42
35	ADAR2 induces reproducible changes in sequence and abundance of mature microRNAs in the mouse brain. <i>Nucleic Acids Research</i> , 2014, 42, 12155-12168.	14.5	42
36	The Editorâ€™s I on Disease Development. <i>Trends in Genetics</i> , 2019, 35, 903-913.	6.7	42

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37	An internal deletion of ADAR rescued by MAVS deficiency leads to a minute phenotype. <i>Nucleic Acids Research</i> , 2020, 48, 3286-3303.	14.5	39
38	Spatio-temporal profiling of Filamin A RNA-editing reveals ADAR preferences and high editing levels outside neuronal tissues. <i>RNA Biology</i> , 2013, 10, 1611-1617.	3.1	38
39	Brix from <i>Xenopus laevis</i> and Brx1p From Yeast Define a New Family of Proteins Involved in the Biogenesis of Large Ribosomal Subunits. <i>Biological Chemistry</i> , 2001, 382, 1637-47.	2.5	36
40	Oligomerization activity of a double-stranded RNA-binding domain. <i>FEBS Letters</i> , 2004, 574, 25-30.	2.8	36
41	Assembly and localization of the U1-specific snRNP C protein in the amphibian oocyte. <i>Journal of Cell Biology</i> , 1992, 119, 1037-1046.	5.2	35
42	A structural determinant required for RNA editing. <i>Nucleic Acids Research</i> , 2011, 39, 5669-5681.	14.5	35
43	The dynamic epitranscriptome: A to I editing modulates genetic information. <i>Chromosoma</i> , 2016, 125, 51-63.	2.2	35
44	ADAR2 regulates RNA stability by modifying access of decay-promoting RNA-binding proteins. <i>Nucleic Acids Research</i> , 2017, 45, gkw1304.	14.5	34
45	The RNA-editing Enzyme ADAR1 Is Localized to the Nascent Ribonucleoprotein Matrix on <i>Xenopus</i> Lampbrush Chromosomes but Specifically Associates with an Atypical Loop. <i>Journal of Cell Biology</i> , 1999, 144, 603-615.	5.2	33
46	ADAR-deficiency perturbs the global splicing landscape in mouse tissues. <i>Genome Research</i> , 2020, 30, 1107-1118.	5.5	32
47	Site-directed RNA editing: recent advances and open challenges. <i>RNA Biology</i> , 2021, 18, 41-50.	3.1	31
48	Mutations in <i>Caenorhabditis elegans</i> him-19 Show Meiotic Defects That Worsen with Age. <i>Molecular Biology of the Cell</i> , 2010, 21, 885-896.	2.1	24
49	RNA editing enzymes ADAR1 and ADAR2 coordinately regulate the editing and expression of Ctn RNA. <i>FEBS Letters</i> , 2017, 591, 2890-2904.	2.8	23
50	Distinct in vivo roles for double-stranded RNA-binding domains of the <i>Xenopus</i> RNA-editing enzyme ADAR1 in chromosomal targeting. <i>Journal of Cell Biology</i> , 2003, 161, 309-319.	5.2	21
51	Paraspeckles modulate the intranuclear distribution of paraspeckle-associated Ctn RNA. <i>Scientific Reports</i> , 2016, 6, 34043.	3.3	21
52	A to I editing in disease is not fake news. <i>RNA Biology</i> , 2017, 14, 1223-1231.	3.1	21
53	RNA aptamers binding the double-stranded RNA-binding domain. <i>Rna</i> , 2006, 12, 1993-2004.	3.5	20
54	Transcriptome-wide effects of inverted SINES on gene expression and their impact on RNA polymerase II activity. <i>Genome Biology</i> , 2016, 17, 220.	8.8	20

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55	The double-stranded RNA-binding protein X1rbpa promotes RNA strand annealing. <i>Nucleic Acids Research</i> , 1998, 26, 4382-4388.	14.5	19
56	Meiotic pairing and segregation of translocation quadrivalents in yeast. <i>Chromosoma</i> , 1998, 107, 247-254.	2.2	18
57	Positioning Europe for the EPITRANSCRIPTOMICS challenge. <i>RNA Biology</i> , 2018, 15, 1-3.	3.1	18
58	The Other Face of an Editor: ADAR1 Functions in Editing-independent Ways. <i>BioEssays</i> , 2017, 39, 1700129.	2.5	17
59	Live-cell imaging reveals the dynamics and function of single-telomere TERRA molecules in cancer cells. <i>RNA Biology</i> , 2018, 15, 1-10.	3.1	17
60	A-to-I RNA Editing Uncovers Hidden Signals of Adaptive Genome Evolution in Animals. <i>Genome Biology and Evolution</i> , 2020, 12, 345-357.	2.5	17
61	RNA editing of Filamin A regulates cellular adhesion, migration and mechanical properties. <i>FEBS Journal</i> , 2022, 289, 4580-4601.	4.7	17
62	Transcription on lampbrush chromosome loops in the absence of U2 snRNA. <i>Molecular Biology of the Cell</i> , 1992, 3, 249-261.	2.1	15
63	The double-stranded RNA-binding domains of <i>Xenopus laevis</i> ADAR1 exhibit different RNA-binding behaviors. <i>FEBS Letters</i> , 1998, 434, 121-126.	2.8	13
64	Organ-wide profiling in mouse reveals high editing levels of Filamin B mRNA in the musculoskeletal system. <i>RNA Biology</i> , 2018, 15, 877-885.	3.1	13
65	Chromosomal Storage of the RNA-editing Enzyme ADAR1 in <i>Xenopus</i> Oocytes. <i>Molecular Biology of the Cell</i> , 2005, 16, 3377-3386.	2.1	12
66	An I for an A: Dynamic Regulation of Adenosine Deamination-Mediated RNA Editing. <i>Genes</i> , 2021, 12, 1026.	2.4	12
67	Transportin-1: A Nuclear Import Receptor with Moonlighting Functions. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 638149.	3.5	11
68	Mechanisms of distamycin A/DAPI chromosome staining. <i>Cytogenetic and Genome Research</i> , 1993, 62, 19-25.	1.1	10
69	Drosha protein levels are translationally regulated during <i>Xenopus</i> oocyte maturation. <i>Molecular Biology of the Cell</i> , 2014, 25, 2094-2104.	2.1	8
70	Nuclear Envelope Retention of LINC Complexes Is Promoted by SUN-1 Oligomerization in the <i>Caenorhabditis elegans</i> Germ Line. <i>Genetics</i> , 2016, 203, 733-748.	2.9	8
71	RNA in Disease and development. <i>RNA Biology</i> , 2017, 14, 457-459.	3.1	7
72	RNA Editing by Adenosine Deaminases that Act on RNA (ADARs). <i>Nucleic Acids and Molecular Biology</i> , 2008, , 51-84.	0.2	7

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73	Dynamic Interactions Between the Genome and an Endogenous Retrovirus: <i>Tirant</i> in <i>Drosophila simulans</i> Wild-Type Strains. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 855-865.	1.8	5
74	â€œMining the Epitranscriptome: Detection of RNA editing and RNA modificationsâ€• <i>Methods</i> , 2019, 156, 1-4.	3.8	4
75	An editor controlled by transcription. <i>EMBO Reports</i> , 2006, 7, 269-270.	4.5	2
76	Reaching complexity through RNA-editing. <i>RNA Biology</i> , 2010, 7, 191-191.	3.1	1
77	Of funding and finches. <i>Genome Biology</i> , 2019, 20, 176.	8.8	0