

# Tom Maniatis

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180  
papers

56,824  
citations

114  
h-index

191  
g-index

191  
ext. papers

61,657  
ext. citations

30.6  
avg, IF

7.46  
L-index

#	Paper	IF	Citations
180	Human genetic and immunological determinants of critical COVID-19 pneumonia.. <i>Nature</i> , <b>2022</b> ,	50.4	23
179	SARS-CoV-2-related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	45
178	Novel ultra-rare exonic variants identified in a founder population implicate cadherins in schizophrenia. <i>Neuron</i> , <b>2021</b> , 109, 1465-1478.e4	13.9	8
177	ALS- and FTD-associated missense mutations in TBK1 differentially disrupt mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	14
176	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , <b>2021</b> , 6,	28	67
175	The Loss of TBK1 Kinase Activity in Motor Neurons or in All Cell Types Differentially Impacts ALS Disease Progression in SOD1 Mice. <i>Neuron</i> , <b>2020</b> , 106, 789-805.e5	13.9	37
174	Clustered gamma-protocadherins regulate cortical interneuron programmed cell death. <i>ELife</i> , <b>2020</b> , 9,	8.9	13
173	The role of clustered protocadherins in neurodevelopment and neuropsychiatric diseases. <i>Current Opinion in Genetics and Development</i> , <b>2020</b> , 65, 144-150	4.9	5
172	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , <b>2020</b> , 370,	33.3	994
171	Visualization of clustered protocadherin neuronal self-recognition complexes. <i>Nature</i> , <b>2019</b> , 569, 280-283.	30.4	46
170	Antisense lncRNA Transcription Mediates DNA Demethylation to Drive Stochastic Protocadherin Promoter Choice. <i>Cell</i> , <b>2019</b> , 177, 639-653.e15	56.2	73
169	A new approach for rare variation collapsing on functional protein domains implicates specific genic regions in ALS. <i>Genome Research</i> , <b>2019</b> , 29, 809-818	9.7	14
168	Effects of ALS-associated TANK binding kinase 1 mutations on protein-protein interactions and kinase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 24517-24526	11.5	19
167	The generation of a protocadherin cell-surface recognition code for neural circuit assembly. <i>Current Opinion in Neurobiology</i> , <b>2019</b> , 59, 213-220	7.6	27
166	Cell type-specific CLIP reveals that NOVA regulates cytoskeleton interactions in motoneurons. <i>Genome Biology</i> , <b>2018</b> , 19, 117	18.3	8
165	Solid phase chemistry to covalently and reversibly capture thiolated RNA. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 6996-7005	20.1	12
164	Writing, Reading, and Translating the Clustered Protocadherin Cell Surface Recognition Code for Neural Circuit Assembly. <i>Annual Review of Cell and Developmental Biology</i> , <b>2018</b> , 34, 471-493	12.6	39

163	Single-cell topological RNA-seq analysis reveals insights into cellular differentiation and development. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 551-560	44.5	138
162	Multicluster Pcdh diversity is required for mouse olfactory neural circuit assembly. <i>Science</i> , <b>2017</b> , 356, 411-414	33.3	71
161	Pcdh $\beta$ 2 is required for axonal tiling and assembly of serotonergic circuitries in mice. <i>Science</i> , <b>2017</b> , 356, 406-411	33.3	73
160	Protocadherin -dimer architecture and recognition unit diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9829-E9837	11.5	33
159	Distinct roles for motor neuron autophagy early and late in the SOD1 mouse model of ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8294-E8303	11.5	111
158	Structural origins of clustered protocadherin-mediated neuronal barcoding. <i>Seminars in Cell and Developmental Biology</i> , <b>2017</b> , 69, 140-150	7.5	23
157	Protocadherin structural diversity and functional implications. <i>ELife</i> , <b>2016</b> , 5,	8.9	37
156	Histone and DNA Modifications as Regulators of Neuronal Development and Function. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2016</b> , 8,	10.2	26
155	Structural Basis of Diverse Homophilic Recognition by Clustered $\beta$ and $\beta$ Protocadherins. <i>Neuron</i> , <b>2016</b> , 90, 709-23	13.9	58
154	Prevalent presence of periodic actin-spectrin-based membrane skeleton in a broad range of neuronal cell types and animal species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6029-34	11.5	104
153	Astrocytes in neurodegenerative disease. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2015</b> , 7,	10.2	186
152	CRISPR Inversion of CTCF Sites Alters Genome Topology and Enhancer/Promoter Function. <i>Cell</i> , <b>2015</b> , 162, 900-10	56.2	612
151	Molecular logic of neuronal self-recognition through protocadherin domain interactions. <i>Cell</i> , <b>2015</b> , 163, 629-42	56.2	94
150	hnRNP U protein is required for normal pre-mRNA splicing and postnatal heart development and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E3020-9	11.5	63
149	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways. <i>Science</i> , <b>2015</b> , 347, 1436-41	33.3	642
148	An RNA-sequencing transcriptome and splicing database of glia, neurons, and vascular cells of the cerebral cortex. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 11929-47	6.6	2837
147	Single-cell identity generated by combinatorial homophilic interactions between $\beta$ and $\beta$ protocadherins. <i>Cell</i> , <b>2014</b> , 158, 1045-1059	56.2	131
146	Axonal transport of TDP-43 mRNA granules is impaired by ALS-causing mutations. <i>Neuron</i> , <b>2014</b> , 81, 536-543	54.3	408

145	Allele-specific knockdown of ALS-associated mutant TDP-43 in neural stem cells derived from induced pluripotent stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e91269	3.7	33
144	Crystal structure and mechanism of activation of TANK-binding kinase 1. <i>Cell Reports</i> , <b>2013</b> , 3, 734-46	10.6	129
143	Clustered protocadherins. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 3297-302	6.6	132
142	Intricate interplay between astrocytes and motor neurons in ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E756-65	11.5	96
141	Single-molecule imaging of transcription factor binding to DNA in live mammalian cells. <i>Nature Methods</i> , <b>2013</b> , 10, 421-6	21.6	345
140	Accelerated high-yield generation of limb-innervating motor neurons from human stem cells. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 574-86	6.6	174
139	Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4697-702	11.5	238
138	Role of CCCTC binding factor (CTCF) and cohesin in the generation of single-cell diversity of protocadherin- $\gamma$ gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 9125-30	11.5	109
137	Molecular and functional interaction between protocadherin- $\alpha 5$ and GABA <sub>A</sub> receptors. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 11780-97	6.6	39
136	Structure-based prediction of protein-protein interactions on a genome-wide scale. <i>Nature</i> , <b>2012</b> , 490, 556-60	50.4	508
135	CTCF/cohesin-mediated DNA looping is required for protocadherin $\beta$ promoter choice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 21081-6	11.5	176
134	Protocadherins mediate dendritic self-avoidance in the mammalian nervous system. <i>Nature</i> , <b>2012</b> , 488, 517-21	50.4	301
133	Functional significance of isoform diversification in the protocadherin gamma gene cluster. <i>Neuron</i> , <b>2012</b> , 75, 402-9	13.9	79
132	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5803-8	11.5	254
131	On the road from classical to modern molecular biology. <i>Nature Medicine</i> , <b>2012</b> , 18, 1499-502	50.5	1
130	Stochastic expression of the interferon- $\beta$ gene. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001249	9.7	85
129	A prion-like trigger of antiviral signaling. <i>Cell</i> , <b>2011</b> , 146, 348-50	56.2	5
128	Negative regulation of interferon- $\beta$ gene expression during acute and persistent virus infections. <i>PLoS ONE</i> , <b>2011</b> , 6, e20681	3.7	29

127	Cardiac glycosides are potent inhibitors of interferon- $\beta$ gene expression. <i>Nature Chemical Biology</i> , <b>2011</b> , 7, 25-33	11.7	40
126	IKK epsilon (IKK(epsilon)) regulates the balance between type I and type II interferon responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 21170-5	11.5	90
125	Regulatory elements required for the activation and repression of the protocadherin-alpha gene cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 17195-200	11.5	73
124	Phosphorylation of protocadherin proteins by the receptor tyrosine kinase Ret. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13894-9	11.5	52
123	Proteolytic processing of protocadherin proteins requires endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17774-9	11.5	28
122	Endocytic pathway is required for Drosophila Toll innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8322-7	11.5	62
121	Activation of innate and humoral immunity in the peripheral nervous system of ALS transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20960-5	11.5	147
120	Multilevel regulation of gene expression by microRNAs. <i>Science</i> , <b>2008</b> , 319, 1789-90	33.3	229
119	A dimer-specific function of the transcription factor NFATp. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19637-42	11.5	19
118	Non-cell autonomous effect of glia on motor neurons in an embryonic stem cell-based ALS model. <i>Nature Neuroscience</i> , <b>2007</b> , 10, 608-14	25.5	626
117	Interferon regulatory factor 3 is regulated by a dual phosphorylation-dependent switch. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22816-22	5.4	119
116	An atomic model of the interferon-beta enhanceosome. <i>Cell</i> , <b>2007</b> , 129, 1111-23	56.2	452
115	The MicroRNA miR-124 promotes neuronal differentiation by triggering brain-specific alternative pre-mRNA splicing. <i>Molecular Cell</i> , <b>2007</b> , 27, 435-48	17.6	1068
114	Multiple functions of the IKK-related kinase IKKepsilon in interferon-mediated antiviral immunity. <i>Science</i> , <b>2007</b> , 315, 1274-8	33.3	281
113	Identification of long-range regulatory elements in the protocadherin-alpha gene cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 19719-24	11.5	94
112	Parallel pathways of virus recognition. <i>Immunity</i> , <b>2006</b> , 24, 510-2	32.3	11
111	Delay in synthesis of the 3Ssplice site promotes trans-splicing of the preceding 5Ssplice site. <i>Molecular Cell</i> , <b>2005</b> , 18, 245-51	17.6	38
110	Connecting mitochondria and innate immunity. <i>Cell</i> , <b>2005</b> , 122, 645-7	56.2	81

109	The role of ubiquitination in Drosophila innate immunity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 34048-55	11.5	100
108	Serine/arginine-rich protein-dependent suppression of exon skipping by exonic splicing enhancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 5002-7	11.5	100
107	IFN-regulatory factor 3-dependent gene expression is defective in Tbk1-deficient mouse embryonic fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 233-8	11.5	450
106	Crystal structure of ATF-2/c-Jun and IRF-3 bound to the interferon-beta enhancer. <i>EMBO Journal</i> , <b>2004</b> , 23, 4384-93	13	133
105	IKKepsilon and TBK1 are essential components of the IRF3 signaling pathway. <i>Nature Immunology</i> , <b>2003</b> , 4, 491-6	19.1	1987
104	Immune activation of NF-kappaB and JNK requires Drosophila TAK1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 48928-34	5.4	190
103	Caspase-mediated processing of the Drosophila NF-kappaB factor Relish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5991-6	11.5	251
102	An extensive network of coupling among gene expression machines. <i>Nature</i> , <b>2002</b> , 416, 499-506	50.4	925
101	Alternative pre-mRNA splicing and proteome expansion in metazoans. <i>Nature</i> , <b>2002</b> , 418, 236-43	50.4	615
100	Promoter choice determines splice site selection in protocadherin alpha and gamma pre-mRNA splicing. <i>Molecular Cell</i> , <b>2002</b> , 10, 21-33	17.6	231
99	NF-kappaB signaling pathways in mammalian and insect innate immunity. <i>Genes and Development</i> , <b>2001</b> , 15, 2321-42	12.6	726
98	A small domain of CBP/p300 binds diverse proteins: solution structure and functional studies. <i>Molecular Cell</i> , <b>2001</b> , 8, 581-90	17.6	87
97	Comparative DNA sequence analysis of mouse and human protocadherin gene clusters. <i>Genome Research</i> , <b>2001</b> , 11, 389-404	9.7	191
96	The role of U2AF35 and U2AF65 in enhancer-dependent splicing. <i>Rna</i> , <b>2001</b> , 7, 806-18	5.8	104
95	Stimulus-specific assembly of enhancer complexes on the tumor necrosis factor alpha gene promoter. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 2239-47	4.8	142
94	A Drosophila IkappaB kinase complex required for Relish cleavage and antibacterial immunity. <i>Genes and Development</i> , <b>2000</b> , 14, 2461-71	12.6	240
93	Assembly of a functional beta interferon enhanceosome is dependent on ATF-2-c-jun heterodimer orientation. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 4814-25	4.8	114
92	IKKepsilon is part of a novel PMA-inducible IkappaB kinase complex. <i>Molecular Cell</i> , <b>2000</b> , 5, 513-22	17.6	285

91	Ordered recruitment of chromatin modifying and general transcription factors to the IFN-beta promoter. <i>Cell</i> , <b>2000</b> , 103, 667-78	56.2	625
90	Selection and characterization of pre-mRNA splicing enhancers: identification of novel SR protein-specific enhancer sequences. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 1705-19	4.8	197
89	SR proteins are factors of the RNA splicing machinery. <i>Current Biology</i> , <b>1999</b> , 9, R6-7	6.3	37
88	Virus infection leads to localized hyperacetylation of histones H3 and H4 at the IFN-beta promoter. <i>Molecular Cell</i> , <b>1999</b> , 3, 125-9	17.6	235
87	A striking organization of a large family of human neural cadherin-like cell adhesion genes. <i>Cell</i> , <b>1999</b> , 97, 779-90	56.2	566
86	Multiple distinct splicing enhancers in the protein-coding sequences of a constitutively spliced pre-mRNA. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 261-73	4.8	164
85	The function of multisite splicing enhancers. <i>Molecular Cell</i> , <b>1998</b> , 1, 449-55	17.6	71
84	Virus infection induces the assembly of coordinately activated transcription factors on the IFN-beta enhancer in vivo. <i>Molecular Cell</i> , <b>1998</b> , 1, 507-18	17.6	644
83	Arginine/serine-rich domains of SR proteins can function as activators of pre-mRNA splicing. <i>Molecular Cell</i> , <b>1998</b> , 1, 765-71	17.6	167
82	MEKK1 activates both I $\kappa$ B kinase alpha and I $\kappa$ B kinase beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 9319-24	11.5	360
81	NF-kappa B p105 processing via the ubiquitin-proteasome pathway. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 1409-19	5.4	70
80	The mechanism of transcriptional synergy of an in vitro assembled interferon-beta enhanceosome. <i>Molecular Cell</i> , <b>1997</b> , 1, 119-29	17.6	296
79	Common themes in the function of transcription and splicing enhancers. <i>Current Opinion in Cell Biology</i> , <b>1997</b> , 9, 350-7	9	128
78	Activation of the I $\kappa$ B alpha kinase complex by MEKK1, a kinase of the JNK pathway. <i>Cell</i> , <b>1997</b> , 88, 213-22	56.2	675
77	Site-specific phosphorylation of I $\kappa$ Balpha by a novel ubiquitination-dependent protein kinase activity. <i>Cell</i> , <b>1996</b> , 84, 853-62	56.2	875
76	In vitro assembly of enhancer complexes. <i>Methods in Enzymology</i> , <b>1996</b> , 274, 162-73	1.7	11
75	Editing of glutamate receptor subunit B pre-mRNA in vitro by site-specific deamination of adenosine. <i>Nature</i> , <b>1995</b> , 374, 77-81	50.4	121
74	Transcriptional regulation of endothelial cell adhesion molecules: NF-B and cytokine-inducible enhancers. <i>FASEB Journal</i> , <b>1995</b> , 9, 899-909	0.9	1487

73	The proteasome pathway is required for cytokine-induced endothelial-leukocyte adhesion molecule expression. <i>Immunity</i> , <b>1995</b> , 2, 493-506	32.3	318
72	Virus induction of human IFN beta gene expression requires the assembly of an enhanceosome. <i>Cell</i> , <b>1995</b> , 83, 1091-100	56.2	846
71	Reversal of intrinsic DNA bends in the IFN beta gene enhancer by transcription factors and the architectural protein HMG I(Y). <i>Cell</i> , <b>1995</b> , 83, 1101-11	56.2	269
70	NF-kappa B: a lesson in family values. <i>Cell</i> , <b>1995</b> , 80, 529-32	56.2	1191
69	An HMG-like protein that can switch a transcriptional activator to a repressor. <i>Nature</i> , <b>1994</b> , 371, 175-9	50.4	208
68	Transcriptional activation: a complex puzzle with few easy pieces. <i>Cell</i> , <b>1994</b> , 77, 5-8	56.2	1093
67	The role of specific protein-RNA and protein-protein interactions in positive and negative control of pre-mRNA splicing by Transformer 2. <i>Cell</i> , <b>1994</b> , 76, 735-46	56.2	172
66	The ubiquitin-proteasome pathway is required for processing the NF-kappa B1 precursor protein and the activation of NF-kappa B. <i>Cell</i> , <b>1994</b> , 78, 773-85	56.2	1962
65	A splicing enhancer complex controls alternative splicing of doublesex pre-mRNA. <i>Cell</i> , <b>1993</b> , 74, 105-14	56.2	317
64	Specific interactions between proteins implicated in splice site selection and regulated alternative splicing. <i>Cell</i> , <b>1993</b> , 75, 1061-70	56.2	655
63	Mechanisms of transcriptional synergism between distinct virus-inducible enhancer elements. <i>Cell</i> , <b>1993</b> , 74, 887-98	56.2	437
62	The high mobility group protein HMG I(Y) is required for NF-kappa B-dependent virus induction of the human IFN-beta gene. <i>Cell</i> , <b>1992</b> , 71, 777-89	56.2	613
61	Spliced leader RNAs from lower eukaryotes are trans-spliced in mammalian cells. <i>Nature</i> , <b>1992</b> , 360, 692-5	50.4	73
60	Generation of p50 subunit of NF-kappa B by processing of p105 through an ATP-dependent pathway. <i>Nature</i> , <b>1991</b> , 354, 395-8	50.4	297
59	Selection of sequences recognized by a DNA binding protein using a preparative southwestern blot. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4675-80	20.1	26
58	Sex-specific splicing and polyadenylation of dsx pre-mRNA requires a sequence that binds specifically to tra-2 protein in vitro. <i>Cell</i> , <b>1991</b> , 65, 579-86	56.2	239
57	A role for the Drosophila neurogenic genes in mesoderm differentiation. <i>Cell</i> , <b>1991</b> , 67, 311-23	56.2	224
56	Factor required for mammalian spliceosome assembly is localized to discrete regions in the nucleus. <i>Nature</i> , <b>1990</b> , 343, 437-41	50.4	658



55	Role of transcriptional interference in the <i>Drosophila melanogaster</i> Adh promoter switch. <i>Nature</i> , <b>1989</b> , 337, 279-82	50.4	137
54	Early and late periodic patterns of even skipped expression are controlled by distinct regulatory elements that respond to different spatial cues. <i>Cell</i> , <b>1989</b> , 57, 413-22	56.2	240
53	The involvement of NF-kappa B in beta-interferon gene regulation reveals its role as widely inducible mediator of signal transduction. <i>Cell</i> , <b>1989</b> , 57, 287-94	56.2	484
52	GAL4 activates transcription in <i>Drosophila</i> . <i>Nature</i> , <b>1988</b> , 332, 853-6	50.4	419
51	<i>Drosophila</i> Adh: a promoter element expands the tissue specificity of an enhancer. <i>Cell</i> , <b>1988</b> , 53, 451-61	56.2	89
50	Purification and visualization of native spliceosomes. <i>Cell</i> , <b>1988</b> , 53, 949-61	56.2	119
49	Detection and localization of single base changes by denaturing gradient gel electrophoresis. <i>Methods in Enzymology</i> , <b>1987</b> , 155, 501-27	1.7	661
48	The role of small nuclear ribonucleoprotein particles in pre-mRNA splicing. <i>Nature</i> , <b>1987</b> , 325, 673-8	50.4	601
47	Beta-thalassemia: analysis of mRNA precursors of a mutant human globin gene with defective splicing using peripheral blood nucleated red blood cells. <i>Hemoglobin</i> , <b>1986</b> , 10, 573-86	0.6	6
46	Detection of factors that interact with the human beta-interferon regulatory region in vivo by DNAase I footprinting. <i>Cell</i> , <b>1986</b> , 45, 611-8	56.2	197
45	The human beta-interferon gene enhancer is under negative control. <i>Cell</i> , <b>1986</b> , 45, 601-10	56.2	414
44	Rapid reprogramming of globin gene expression in transient heterokaryons. <i>Cell</i> , <b>1986</b> , 46, 591-602	56.2	214
43	A role for exon sequences and splice-site proximity in splice-site selection. <i>Cell</i> , <b>1986</b> , 46, 681-90	56.2	468
42	Detection of single base substitutions in total genomic DNA. <i>Nature</i> , <b>1985</b> , 313, 495-8	50.4	348
41	Structure and transcription of the <i>Drosophila mulleri</i> alcohol dehydrogenase genes. <i>Nucleic Acids Research</i> , <b>1985</b> , 13, 6899-917	20.1	80
40	Modification of the melting properties of duplex DNA by attachment of a GC-rich DNA sequence as determined by denaturing gradient gel electrophoresis. <i>Nucleic Acids Research</i> , <b>1985</b> , 13, 3111-29	20.1	223
39	Nearly all single base substitutions in DNA fragments joined to a GC-clamp can be detected by denaturing gradient gel electrophoresis. <i>Nucleic Acids Research</i> , <b>1985</b> , 13, 3131-45	20.1	491
38	Multiple factors including the small nuclear ribonucleoproteins U1 and U2 are necessary for pre-mRNA splicing in vitro. <i>Cell</i> , <b>1985</b> , 42, 725-36	56.2	466

37	Intron sequences involved in lariat formation during pre-mRNA splicing. <i>Cell</i> , <b>1985</b> , 41, 95-105	56.2	399
36	Excision of an intact intron as a novel lariat structure during pre-mRNA splicing in vitro. <i>Cell</i> , <b>1984</b> , 38, 317-31	56.2	751
35	Normal and mutant human beta-globin pre-mRNAs are faithfully and efficiently spliced in vitro. <i>Cell</i> , <b>1984</b> , 36, 993-1005	56.2	684
34	Differences in human alpha- and beta-globin gene expression in mouse erythroleukemia cells: the role of intragenic sequences. <i>Cell</i> , <b>1984</b> , 38, 251-63	56.2	313
33	Identification of two distinct regulatory regions adjacent to the human beta-interferon gene. <i>Cell</i> , <b>1983</b> , 34, 865-79	56.2	1098
32	Transcriptional activation of cloned human beta-globin genes by viral immediate-early gene products. <i>Cell</i> , <b>1983</b> , 35, 137-48	56.2	385
31	The regulated expression of beta-globin genes introduced into mouse erythroleukemia cells. <i>Cell</i> , <b>1983</b> , 32, 483-93	56.2	194
30	Human beta-globin pre-mRNA synthesized in vitro is accurately spliced in <i>Xenopus</i> oocyte nuclei. <i>Cell</i> , <b>1983</b> , 32, 681-94	56.2	510
29	Correct developmental expression of a cloned alcohol dehydrogenase gene transduced into the <i>Drosophila</i> germ line. <i>Cell</i> , <b>1983</b> , 34, 59-73	56.2	251
28	Specific transcription and RNA splicing defects in five cloned beta-thalassaemia genes. <i>Nature</i> , <b>1983</b> , 302, 591-6	50.4	595
27	A single-base change at a splice site in a beta 0-thalassaemic gene causes abnormal RNA splicing. <i>Cell</i> , <b>1982</b> , 29, 903-11	56.2	352
26	The structure of the human zeta-globin gene and a closely linked, nearly identical pseudogene. <i>Cell</i> , <b>1982</b> , 31, 553-63	56.2	297
25	Identification of DNA sequences required for transcription of the human alpha 1-globin gene in a new SV40 host-vector system. <i>Cell</i> , <b>1981</b> , 27, 279-88	56.2	644
24	Fractionation of low molecular weight DNA or RNA in polyacrylamide gels containing 98% formamide or 7 M urea. <i>Methods in Enzymology</i> , <b>1980</b> , 65, 299-305	1.7	87
23	The structure of a human alpha-globin pseudogene and its relationship to alpha-globin gene duplication. <i>Cell</i> , <b>1980</b> , 21, 537-44	56.2	246
22	The organization of repetitive sequences in a cluster of rabbit beta-like globin genes. <i>Cell</i> , <b>1980</b> , 19, 379-382	56.2	133
21	Molecular cloning and characterization of the human beta-like globin gene cluster. <i>Cell</i> , <b>1980</b> , 19, 959-72	56.2	418
20	The chromosomal arrangement of human alpha-like globin genes: sequence homology and alpha-globin gene deletions. <i>Cell</i> , <b>1980</b> , 20, 119-30	56.2	510

19	The nucleotide sequence of a rabbit beta-globin pseudogene. <i>Cell</i> , <b>1980</b> , 21, 545-53	56.2	117
18	Characterisation of deletions which affect the expression of fetal globin genes in man. <i>Nature</i> , <b>1979</b> , 279, 598-603	50.4	236
17	The linkage arrangement of four rabbit beta-like globin genes. <i>Cell</i> , <b>1979</b> , 18, 1273-83	56.2	131
16	The structure and transcription of four linked rabbit beta-like globin genes. <i>Cell</i> , <b>1979</b> , 18, 1285-97	56.2	159
15	Transformation of mammalian cells with genes from procaryotes and eucaryotes. <i>Cell</i> , <b>1979</b> , 16, 777-85	56.2	1478
14	The isolation and characterization of linked delta- and beta-globin genes from a cloned library of human DNA. <i>Cell</i> , <b>1978</b> , 15, 1157-74	56.2	1044
13	The isolation of structural genes from libraries of eucaryotic DNA. <i>Cell</i> , <b>1978</b> , 15, 687-701	56.2	1870
12	The primary structure of rabbit beta-globin mRNA as determined from cloned DNA. <i>Cell</i> , <b>1977</b> , 10, 571-85	56.2	421
11	Enzymatic in vitro synthesis of globin genes. <i>Cell</i> , <b>1976</b> , 7, 279-88	56.2	308
10	A DNA operator-repressor system. <i>Scientific American</i> , <b>1976</b> , 234, 64-6, 71-6	0.5	17
9	Full length and discrete partial reverse transcripts of globin and chorion mRNAs. <i>Cell</i> , <b>1975</b> , 4, 367-78	56.2	193
8	Recognition sequences of repressor and polymerase in the operators of bacteriophage lambda. <i>Cell</i> , <b>1975</b> , 5, 109-13	56.2	210
7	The structure of psi DNA. <i>Journal of Molecular Biology</i> , <b>1974</b> , 84, 37-64	6.5	191
6	Promoters are in the operators in phage lambda. <i>Nature</i> , <b>1974</b> , 249, 221-3	50.4	69
5	Sequence of a repressor-binding site in the DNA of bacteriophage lamda. <i>Nature</i> , <b>1974</b> , 250, 394-7	50.4	127
4	Structure of the lambda operators. <i>Nature</i> , <b>1973</b> , 246, 133-6	50.4	56
3	Clustered EProtocadherins Regulate Cortical Interneuron Programmed Cell Death		1
2	Antisense lncRNA transcription drives stochastic Protocadherin Epromoter choice		3

1 ALS and FTD-associated missense mutations in TBK1 differentially disrupt mitophagy

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