Manuel Ares Jr

List of Publications by Year
in descending order

105	13,879	28274	29157
papers	citations	55 h-index	104 g-index

121	121	121	17117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Knowledge-based analysis of microarray gene expression data by using support vector machines. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 262-267.	7.1	2,034
2	Purification of RNA Using TRIzol (TRI Reagent). Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5439.	0.3	1,085
3	An RNA gene expressed during cortical development evolved rapidly in humans. Nature, 2006, 443, 167-172.	27.8	884
4	Context-dependent control of alternative splicing by RNA-binding proteins. Nature Reviews Genetics, 2014, 15, 689-701.	16.3	854
5	Ultraconserved elements are associated with homeostatic control of splicing regulators by alternative splicing and nonsense-mediated decay. Genes and Development, 2007, 21, 708-718.	5.9	470
6	A post-transcriptional regulatory switch in polypyrimidine tract-binding proteins reprograms alternative splicing in developing neurons. Genes and Development, 2007, 21, 1636-1652.	5.9	464
7	Integrative Genome-wide Analysis Reveals Cooperative Regulation of Alternative Splicing by hnRNP Proteins. Cell Reports, 2012, 1, 167-178.	6.4	420
8	RBPmap: a web server for mapping binding sites of RNA-binding proteins. Nucleic Acids Research, 2014, 42, W361-W367.	14.5	409
9	Genomewide Analysis of mRNA Processing in Yeast Using Splicing-Specific Microarrays. Science, 2002, 296, 907-910.	12.6	359
10	Aberrant alternative splicing and extracellular matrix gene expression in mouse models of myotonic dystrophy. Nature Structural and Molecular Biology, 2010, 17, 187-193.	8.2	301
11	The splicing regulator Rbfox1 (A2BP1) controls neuronal excitation in the mammalian brain. Nature Genetics, 2011, 43, 706-711.	21.4	297
12	Muscleblind-like 2-Mediated Alternative Splicing in the Developing Brain and Dysregulation in Myotonic Dystrophy. Neuron, 2012, 75, 437-450.	8.1	296
13	Genome-wide Analysis Reveals SR Protein Cooperation and Competition in Regulated Splicing. Molecular Cell, 2013, 50, 223-235.	9.7	261
14	Genome-wide bioinformatic and molecular analysis of introns in Saccharomyces cerevisiae. Rna, 1999, 5, 221-234.	3.5	256
15	RNase III Cleaves Eukaryotic Preribosomal RNA at a U3 snoRNP-Dependent Site. Cell, 1996, 85, 115-124.	28.9	215
16	Accumulation of unstable promoter-associated transcripts upon loss of the nuclear exosome subunit Rrp6p in Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3262-3267.	7.1	211
17	The splicing regulator Rbfox2 is required for both cerebellar development and mature motor function. Genes and Development, 2012, 26, 445-460.	5.9	186
18	Unusual Intron Conservation near Tissue-Regulated Exons Found by Splicing Microarrays. PLoS Computational Biology, 2006, 2, e4.	3.2	175

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19	U2 RNA from yeast is unexpectedly large and contains homology to vertebrate U4, U5, and U6 small nuclear RNAs. Cell, 1986, 47, 49-59.	28.9	168
20	Perturbation of transcription elongation influences the fidelity of internal exon inclusion in Saccharomyces cerevisiae. Rna, 2003, 9, 993-1006.	3.5	146
21	Genome-wide searching for pseudouridylation guide snoRNAs: analysis of the Saccharomyces cerevisiae genome. Nucleic Acids Research, 2004, 32, 4281-4296.	14.5	139
22	The Structure of a Rigorously Conserved RNA Element within the SARS Virus Genome. PLoS Biology, 2004, 3, e5.	5.6	137
23	Quaking and PTB control overlapping splicing regulatory networks during muscle cell differentiation. Rna, 2013, 19, 627-638.	3.5	137
24	Distinct and shared functions of ALS-associated proteins TDP-43, FUS and TAF15 revealed by multisystem analyses. Nature Communications, 2016, 7, 12143.	12.8	137
25	Protein-RNA Networks Regulated by Normal and ALS-Associated Mutant HNRNPA2B1 in the Nervous System. Neuron, 2016, 92, 780-795.	8.1	137
26	Sequences required for 3â€² end formation of human U2 small nuclear RNA. Cell, 1985, 42, 193-202.	28.9	136
27	Expanding the Diversity of Mycobacteriophages: Insights into Genome Architecture and Evolution. PLoS ONE, 2011, 6, e16329.	2.5	133
28	A handful of intron-containing genes produces the lion's share of yeast mRNA. Rna, 1999, 5, 1138-1139.	3.5	131
29	Circular mRNA can direct translation of extremely long repeating-sequence proteins in vivo. Rna, 1998, 4, 1047-1054.	3.5	119
30	Rearrangement of competing U2 RNA helices within the spliceosome promotes multiple steps in splicing. Genes and Development, 2007, 21, 811-820.	5.9	108
31	Depletion of yeast RNase III blocks correct U2 3' end formation and results in polyadenylated but functional U2 snRNA. EMBO Journal, 1998, 17, 3738-3746.	7.8	107
32	Sam68 Regulates a Set of Alternatively Spliced Exons during Neurogenesis. Molecular and Cellular Biology, 2009, 29, 201-213.	2.3	105
33	Prp43p Is a DEAH-Box Spliceosome Disassembly Factor Essential for Ribosome Biogenesis. Molecular and Cellular Biology, 2006, 26, 523-534.	2.3	102
34	Competition between Pre-mRNAs for the Splicing Machinery Drives Global Regulation of Splicing. Molecular Cell, 2013, 51, 338-348.	9.7	99
35	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	19.0	97
36	Human genes for U2 small nuclear RNA map to a major adenovirus 12 modification site on chromosome 17. Nature, 1985, 314, 115-116.	27.8	89

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37	Exploring functional relationships between components of the gene expression machinery. Nature Structural and Molecular Biology, 2005, 12, 175-182.	8.2	89
38	Detection and measurement of alternative splicing using splicing-sensitive microarrays. Methods, 2005, 37, 345-359.	3.8	89
39	Structural RNAs of known and unknown function identified in malaria parasites by comparative genomics and RNA analysis. Rna, 2007, 13, 1923-1939.	3.5	89
40	Gene structure-based splice variant deconvolution using a microarry platform. Bioinformatics, 2003, 19, i315-i322.	4.1	88
41	Quaking promotes monocyte differentiation into pro-atherogenic macrophages by controlling pre-mRNA splicing and gene expression. Nature Communications, 2016, 7, 10846.	12.8	87
42	Intron self-complementarity enforces exon inclusion in a yeast pre-mRNA. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12467-12472.	7.1	82
43	Cell Type and Culture Conditionâ€“Dependent Alternative Splicing in Human Breast Cancer Cells Revealed by Splicing-Sensitive Microarrays. Cancer Research, 2006, 66, 1990-1999.	0.9	82
44	Role of the ubiquitin-like protein Hub1 in splice-site usage and alternative splicing. Nature, 2011, 474, 173-178.	27.8	79
45	Muscleblind-Like 1 Knockout Mice Reveal Novel Splicing Defects in the Myotonic Dystrophy Brain. PLoS ONE, 2012, 7, e33218.	2.5	79
46	The UCSC SARS-CoV-2 Genome Browser. Nature Genetics, 2020, 52, 991-998.	21.4	79
47	CUS2, a Yeast Homolog of Human Tat-SF1, Rescues Function of Misfolded U2 through an Unusual RNA Recognition Motif. Molecular and Cellular Biology, 1998, 18, 5000-5009.	2.3	75
48	ATP requirement for Prp5p function is determined by Cus2p and the structure of U2 small nuclear RNA. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13857-13862.	7.1	75
49	A Yeast Intronic Splicing Enhancer and Nam8p Are Required for Mer1p-Activated Splicing. Molecular Cell, 2000, 6, 329-338.	9.7	73
50	Rearrangement of snRNA Structure during Assembly and Function of the Spliceosome. Progress in Molecular Biology and Translational Science, 1995, 50, 131-159.	1.9	71
51	Removal of a Single Î±-Tubulin Gene Intron Suppresses Cell Cycle Arrest Phenotypes of Splicing Factor Mutations in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2002, 22, 801-815.	2.3	69
52	Invariant U2 snRNA Nucleotides Form a Stem Loop to Recognize the Intron Early in Splicing. Molecular Cell, 2010, 38, 416-427.	9.7	69
53	Internal sequences that distinguish yeast from metazoan U2 snRNA are unnecessary for pre-mRNA splicing. Nature, 1988, 334, 450-453.	27.8	65
54	Substrate recognition by a eukaryotic RNase III: The double-stranded RNA-binding domain of Rnt1p selectively binds RNA containing a 5â€²-AGNN-3â€² tetraloop. Rna, 2000, 6, 1142-1156.	3.5	57

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55	A new Î±-helical extension promotes RNA binding by the dsRBD of Rnt1p RNAse III. EMBO Journal, 2004, 23, 2468-2477.	7.8	56
56	ATP can be dispensable for prespliceosome formation in yeast. Genes and Development, 2000, 14, 97-107.	5.9	55
57	Intron Invasions Trace Algal Speciation and Reveal Nearly Identical Arctic and AntarcticMicromonasPopulations. Molecular Biology and Evolution, 2015, 32, 2219-2235.	8.9	48
58	Purification of RNA by SDS Solubilization and Phenol Extraction. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5438.	0.3	46
59	Searching yeast intron data at ares lab web site. Methods in Enzymology, 2002, 350, 380-392.	1.0	45
60	Preparation of Cytoplasmic and Nuclear RNA from Tissue Culture Cells. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5441.	0.3	42
61	Integration of a splicing regulatory network within the meiotic gene expression program of Saccharomyces cerevisiae. Genes and Development, 2010, 24, 2693-2704.	5.9	41
62	Isolation of Total RNA from Yeast Cell Cultures: Figure 1.. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot071456.	0.3	41
63	RNA-binding protein CPEB1 remodels host and viral RNA landscapes. Nature Structural and Molecular Biology, 2016, 23, 1101-1110.	8.2	40
64	Autogenous cross-regulation of Quaking mRNA processing and translation balances Quaking functions in splicing and translation. Genes and Development, 2017, 31, 1894-1909.	5.9	40
65	Ethanol Precipitation of RNA and the Use of Carriers. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5440.	0.3	39
66	Polyacrylamide Gel Electrophoresis of RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5444-pdb.prot5444.	0.3	37
67	Evidence for convergent evolution of SINE-directed Staufen-mediated mRNA decay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 968-973.	7.1	37
68	Mer1p is a modular splicing factor whose function depends on the conserved U2 snRNP protein Snu17p. Nucleic Acids Research, 2004, 32, 1242-1250.	14.5	36
69	Rbfox1 Downregulation and Altered Calpain 3 Splicing by FRG1 in a Mouse Model of Facioscapulohumeral Muscular Dystrophy (FSHD). PLoS Genetics, 2013, 9, e1003186.	3.5	32
70	A High-Throughput Splicing Assay Identifies New Classes of Inhibitors of Human and Yeast Spliceosomes. Journal of Biomolecular Screening, 2013, 18, 1110-1120.	2.6	31
71	Safer one-pot synthesis of the â€˜SHAPEâ€™ reagent 1-methyl-7-nitroisatoic anhydride (1m7). Rna, 2013, 19, 1857-1863.	3.5	29
72	Functional Cus1p Is Found with Hsh155p in a Multiprotein Splicing Factor Associated with U2 snRNA. Molecular and Cellular Biology, 2000, 20, 2176-2185.	2.3	28

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73	Developmental expression profile of quaking, a candidate gene for schizophrenia, and its target genes in human prefrontal cortex and hippocampus shows regional specificity. Journal of Neuroscience Research, 2008, 86, 785-796.	2.9	28
74	Structural Analysis of the Quaking Homodimerization Interface. Journal of Molecular Biology, 2012, 423, 766-781.	4.2	26
75	Removal of DNA from RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5443.	0.3	21
76	Nondenaturing Agarose Gel Electrophoresis of RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5445.	0.3	21
77	ISOLATION AND GENETIC CHARACTERIZATION OF A MUTATION AFFECTING RIBOSOMAL RESISTANCE TO CYCLOHEXIMIDE IN TETRAHYMENA. Genetics, 1978, 90, 463-474.	2.9	21
78	Cus2 enforces the first ATP-dependent step of splicing by binding to yeast SF3b1 through a UHMâ€“ULM interaction. Rna, 2019, 25, 1020-1037.	3.5	19
79	Enrichment of Poly(A)⁺ mRNA Using Immobilized Oligo(dT). Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5454.	0.3	18
80	Bacterial RNA Isolation. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot071068.	0.3	17
81	Concerted modification of nucleotides at functional centers of the ribosome revealed by single-molecule RNA modification profiling. ELife, 2022, 11, .	6.0	17
82	Interdisciplinary research and the undergraduate biology student. Nature Structural and Molecular Biology, 2004, 11, 1170-1172.	8.2	16
83	Rapidly evolving protointrons in Saccharomyces genomes revealed by a hungry spliceosome. PLoS Genetics, 2019, 15, e1008249.	3.5	16
84	Guidelines for the Use of RNA Purification Kits. Cold Spring Harbor Protocols, 2010, 2010, pdb.ip79.	0.3	13
85	Synthesis of modified nucleotide polymers by the poly(U) polymerase Cid1: application to direct RNA sequencing on nanopores. Rna, 2021, 27, 1497-1511.	3.5	12
86	Determining the Yield and Quality of Purified RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.top82.	0.3	10
87	High-Yield Synthesis of RNA Using T7 RNA Polymerase and Plasmid DNA or Oligonucleotide Templates. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot078535.	0.3	8
88	Mutations define essential and nonessential U2 RNA structures. Molecular Biology Reports, 1990, 14, 131-132.	2.3	7
89	Fragmentation of Whole-Transcriptome RNA Using E. coli RNase III. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot074369-pdb.prot074369.	0.3	7
90	Methods for Processing High-Throughput RNA Sequencing Data. Cold Spring Harbor Protocols, 2014, 2014, pdb.top083352.	0.3	6

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91	Stuttering against marginotomy. Nature Structural and Molecular Biology, 2008, 15, 18-19.	8.2	5
92	Removal of Ribosomal Subunits (and rRNA) from Cytoplasmic Extracts before Solubilization with SDS and Deproteinization. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5442-pdb.prot5442.	0.3	5
93	Analysis of Splicing In Vitro Using Extracts ofSaccharomyces cerevisiae:. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot078121.	0.3	4
94	Tips on Hybridizing, Washing, and Scanning Affymetrix Microarrays. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080499.	0.3	4
95	Sing the Genome Electric: Excited Cells Adjust Their Splicing. PLoS Biology, 2007, 5, e55.	5.6	3
96	Alternative splicing variability: exactly how similar are two identical cells?. Molecular Systems Biology, 2011, 7, 505.	7.2	3
97	Competencies: A Cure for Pre-Med Curriculum. Science, 2011, 334, 760-761.	12.6	2
98	Microarray Slide Hybridization Using Fluorescently Labeled cDNA. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080135.	0.3	2
99	Scanning Microarray Slides. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080481.	0.3	2
100	Basic Quantitative Polymerase Chain Reaction Using Real-Time Fluorescence Measurements. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080903-pdb.prot080903.	0.3	2
101	Coffee with Ribohipster. Rna, 2015, 21, 494-496.	3.5	1
102	SMITten by the Speed of Splicing. Cell, 2016, 165, 265-267.	28.9	1
103	Methods for Processing Microarray Data. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080507.	0.3	0
104	Regulated Alternative Splicing During Myogenesis. FASEB Journal, 2008, 22, 602.1.	0.5	0
105	Abstract 47: Quaking Post-Transcriptionally Promotes Differentiation of Monocytes Into Pro-Atherogenic Macrophages by Controling Pre-mRNA Splicing and Gene Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0