Maria Carmo-Fonseca

List of Publications by Year
in descending order

117 papers	8,830 citations	38742 50 h-index	45317 90 g-index
122 all docs	122 docs citations	122 times ranked	10530 citing authors

#	Article	IF	Citations
1	Transcription and splicing dynamics during early <i>Drosophila</i> development. Rna, 2022, 28, 139-161.	3.5	11
2	Smaug1 membrane-less organelles respond to AMPK and mTOR and affect mitochondrial function. Journal of Cell Science, 2022, 135, .	2.0	12
3	Expression Profiling in Ovarian Cancer Reveals Coordinated Regulation of BRCA1/2 and Homologous Recombination Genes. Biomedicines, 2022, 10, 199.	3.2	3
4	Pseudouridylation: A new player in co-transcriptional splicing regulation. Molecular Cell, 2022, 82, 495-496.	9.7	1
5	Gene architecture directs splicing outcome in separate nuclear spatial regions. Molecular Cell, 2022, 82, 1021-1034.e8.	9.7	26
6	POINT technology illuminates the processing of polymerase-associated intact nascent transcripts. Molecular Cell, 2021, 81, 1935-1950.e6.	9.7	52
7	Analysis of Mammalian Native Elongating Transcript sequencing (mNET-seq) high-throughput data. Methods, 2020, 178, 89-95.	3.8	11
8	Targeting mRNA processing as an anticancer strategy. Nature Reviews Drug Discovery, 2020, 19, 112-129.	46.4	131
9	Cryptic Splice-Altering Variants in <i>MYBPC3</i> Are a Prevalent Cause of Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, e002905.	3.6	23
10	RNA Splicing Defects in Hypertrophic Cardiomyopathy: Implications for Diagnosis and Therapy. International Journal of Molecular Sciences, 2020, 21, 1329.	4.1	15
11	Design Principles for Pluripotent Stem Cell-Derived Organoid Engineering. Stem Cells International, 2019, 2019, 1-17.	2.5	25
12	Silencing of the lncRNA Zeb2-NAT facilitates reprogramming of aged fibroblasts and safeguards stem cell pluripotency. Nature Communications, 2018, 9, 94.	12.8	49
13	RNA Polymerase II Phosphorylated on CTD Serine 5 Interacts with the Spliceosome during Co-transcriptional Splicing. Molecular Cell, 2018, 72, 369-379.e4.	9.7	123
14	Transcription Dynamics Prevent RNA-Mediated Genomic Instability through SRPK2-Dependent DDX23 Phosphorylation. Cell Reports, 2017, 18, 334-343.	6.4	86
15	Deep intronic mutations and human disease. Human Genetics, 2017, 136, 1093-1111.	3.8	311
16	Quantitative Image Analysis of Single-Molecule mRNA Dynamics in Living Cells. Methods in Molecular Biology, 2017, 1563, 229-242.	0.9	0
17	Pharmacological inhibition of the spliceosome subunit SF3b triggers EJC-independent NMD. Journal of Cell Science, 2017, 130, 1519-1531.	2.0	25
18	Distinctive Patterns of Transcription and RNA Processing for Human lincRNAs. Molecular Cell, 2017, 65, 25-38.	9.7	222

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19	Co-transcriptional splicing and the CTD code. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 395-411.	5.2	42
20	STaQTool: Spot tracking and quantification tool for monitoring splicing of single pre-mRNA molecules in living cells. Methods, 2016, 98, 143-149.	3.8	5
21	Mammalian NET-seq analysis defines nascent RNA profiles and associated RNA processing genome-wide. Nature Protocols, 2016, 11, 413-428.	12.0	86
22	Single-Molecule Live-Cell Visualization of Pre-mRNA Splicing. Methods in Molecular Biology, 2016, 1358, 335-350.	0.9	2
23	Pervasive transcription read-through promotes aberrant expression of oncogenes and RNA chimeras in renal carcinoma. ELife, 2015, 4, .	6.0	114
24	RNA imaging: seeing is believing. Rna, 2015, 21, 580-581.	3.5	1
25	Transcription-coupled RNA surveillance in human genetic diseases caused by splice site mutations. Human Molecular Genetics, 2015, 24, 2784-2795.	2.9	8
26	Single-Molecule Imaging of RNA Splicing in Live Cells. Methods in Enzymology, 2015, 558, 571-585.	1.0	4
27	Mammalian NET-Seq Reveals Genome-wide Nascent Transcription Coupled to RNA Processing. Cell, 2015, 161, 526-540.	28.9	466
28	The timing of pre-mRNA splicing visualized in real-time. Nucleus, 2014, 5, 11-14.	2.2	18
29	The Potential of Targeting Splicing for Cancer Therapy. Cancer Drug Discovery and Development, 2014, , 313-336.	0.4	1
30	Imaging dynamic interactions between spliceosomal proteins and pre-mRNA in living cells. Methods, 2014, 65, 359-366.	3.8	10
31	Reciprocal regulatory links between cotranscriptional splicing and chromatin. Seminars in Cell and Developmental Biology, 2014, 32, 2-10.	5.0	27
32	Live-Cell Visualization of Pre-mRNA Splicing with Single-Molecule Sensitivity. Cell Reports, 2013, 4, 1144-1155.	6.4	149
33	Histone methyltransferase SETD2 coordinates FACT recruitment with nucleosome dynamics during transcription. Nucleic Acids Research, 2013, 41, 2881-2893.	14.5	142
34	Alternative Splicing and Cancer. Journal of Nucleic Acids, 2012, 2012, 1-2.	1.2	6
35	Dynamic transitions in RNA polymerase II density profiles during transcription termination. Genome Research, 2012, 22, 1447-1456.	5.5	42
36	Design principles of interconnections between chromatin and pre-mRNA splicing. Trends in Biochemical Sciences, 2012, 37, 248-253.	7.5	49

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37	Splicing enhances recruitment of methyltransferase HYPB/Setd2 and methylation of histone H3 Lys36. Nature Structural and Molecular Biology, 2011, 18, 977-983.	8.2	204
38	Spliceosome assembly is coupled to RNA polymerase II dynamics at the 3â€² end of human genes. Nature Structural and Molecular Biology, 2011, 18, 1115-1123.	8.2	76
39	RNA seeds nuclear bodies. Nature Cell Biology, 2011, 13, 110-112.	10.3	21
40	Nâ€Glycosylation is important for the correct intracellular localization of HFE and its ability to decrease cell surface transferrin binding. FEBS Journal, 2010, 277, 3219-3234.	4.7	9
41	A link between nuclear RNA surveillance, the human exosome and RNA polymerase II transcriptional termination. Nucleic Acids Research, 2010, 38, 8015-8026.	14.5	55
42	Unconstrained mining of transcript data reveals increased alternative splicing complexity in the human transcriptome. Nucleic Acids Research, 2010, 38, 4740-4754.	14.5	55
43	Orphan Nuclear Bodies. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000703-a000703.	5.5	19
44	Cotranscriptional RNA checkpoints. Epigenomics, 2010, 2, 449-455.	2.1	5
45	Follow that Messenger: Live-Imaging a Journey out of the Nucleus. Developmental Cell, 2010, 18, 880-882.	7.0	2
46	Hsp70 Chaperones and Type I PRMTs Are Sequestered at Intranuclear Inclusions Caused by Polyalanine Expansions in PABPN1. PLoS ONE, 2009, 4, e6418.	2.5	42
47	Frontiers in fluorescence microscopy. International Journal of Developmental Biology, 2009, 53, 1569-1579.	0.6	19
48	The spliceosome: a self-organized macromolecular machine in the nucleus?. Trends in Cell Biology, 2009, 19, 375-384.	7.9	58
49	The emerging role of splicing factors in cancer. EMBO Reports, 2008, 9, 1087-1093.	4.5	161
50	The CTD role in cotranscriptional RNA processing and surveillance. FEBS Letters, 2008, 582, 1971-1976.	2.8	46
51	Tissue-specific splicing factor gene expression signatures. Nucleic Acids Research, 2008, 36, 4823-4832.	14.5	172
52	Differential Isoform Expression and Interaction with the P32 Regulatory Protein Controls the Subcellular Localization of the Splicing Factor U2AF26. Journal of Biological Chemistry, 2008, 283, 19636-19645.	3.4	14
53	Inactivation of Cleavage Factor I Components Rna14p and Rna15p Induces Sequestration of Small Nucleolar Ribonucleoproteins at Discrete Sites in the Nucleus. Molecular Biology of the Cell, 2008, 19, 1499-1508.	2.1	8
54	Splicing Factors SF1 and U2AF Associate in Extraspliceosomal Complexes. Molecular and Cellular Biology, 2008, 28, 3045-3057.	2.3	40

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55	Photobleaching Microscopy Reveals the Dynamics of mRNA-Binding Proteins Inside Live Cell Nuclei. Progress in Molecular and Subcellular Biology, 2008, 35, 119-134.	1.6	7
56	Stimulation of an Unfolded Protein Response Impairs MHC Class I Expression. Journal of Immunology, 2007, 178, 3612-3619.	0.8	67
57	A Stochastic View of Spliceosome Assembly and Recycling in the Nucleus. PLoS Computational Biology, 2007, 3, e201.	3.2	56
58	How genes find their way inside the cell nucleus. Journal of Cell Biology, 2007, 179, 1093-1094.	5.2	9
59	Depletion of the Yeast Nuclear Exosome Subunit Rrp6 Results in Accumulation of Polyadenylated RNAs in a Discrete Domain within the Nucleolus. Molecular and Cellular Biology, 2007, 27, 4157-4165.	2.3	48
60	Chemical Chaperones Reduce Endoplasmic Reticulum Stress and Prevent Mutant HFE Aggregate Formation. Journal of Biological Chemistry, 2007, 282, 27905-27912.	3.4	150
61	Splicing- and cleavage-independent requirement of RNA polymerase II CTD for mRNA release from the transcription site. Journal of Cell Biology, 2007, 179, 199-207.	5.2	28
62	A Reaction-Diffusion Model to Study RNA Motion by Quantitative Fluorescence Recovery after Photobleaching. Biophysical Journal, 2007, 92, 2694-2703.	0.5	71
63	Nuclear Organization and Splicing Control. Advances in Experimental Medicine and Biology, 2007, 623, 1-13.	1.6	4
64	Genome-wide identification of functionally distinct subsets of cellular mRNAs associated with two nucleocytoplasmic-shuttling mammalian splicing factors. Genome Biology, 2006, 7, R113.	9.6	68
65	In Situ Hybridization for Simultaneous Detection of DNA, RNA, and Protein. , 2006, , 419-427.		0
66	Diversity of human U2AF splicing factors. FEBS Journal, 2006, 273, 4807-4816.	4.7	38
67	Studies on the role of NonA in mRNA biogenesis. Experimental Cell Research, 2006, 312, 2619-2630.	2.6	11
68	Abundance of the largest subunit of RNA polymerase II in the nucleus is regulated by nucleo-cytoplasmic shuttling. Experimental Cell Research, 2006, 312, 2557-2567.	2.6	5
69	In Vivo Requirement of the Small Subunit of U2AF for Recognition of a Weak 3â€² Splice Site. Molecular and Cellular Biology, 2006, 26, 8183-8190.	2.3	56
70	RNA Interference Knockdown of hU2AF35 Impairs Cell Cycle Progression and Modulates Alternative Splicing of Cdc25 Transcripts. Molecular Biology of the Cell, 2006, 17, 4187-4199.	2.1	65
71	SUMO-1 Modification Alters ADAR1 Editing Activity. Molecular Biology of the Cell, 2005, 16, 5115-5126.	2.1	102
72	Systematic genome-wide annotation of spliceosomal proteins reveals differential gene family expansion. Genome Research, 2005, 16, 66-77.	5.5	92

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73	In vivo aggregation properties of the nuclear poly(A)-binding protein PABPN1. Rna, 2005, 11, 752-762.	3.5	65
74	Intracellular Macromolecular Mobility Measured by Fluorescence Recovery after Photobleaching with Confocal Laser Scanning Microscopes. Molecular Biology of the Cell, 2004, 15, 4749-4760.	2.1	184
75	Diversity of Vertebrate Splicing Factor U2AF35. Journal of Biological Chemistry, 2004, 279, 27039-27049.	3.4	47
76	Oculopharyngeal muscular dystrophy-like nuclear inclusions are present in normal magnocellular neurosecretory neurons of the hypothalamus. Human Molecular Genetics, 2004, 13, 829-838.	2.9	58
77	In vivo recruitment of exon junction complex proteins to transcription sites in mammalian cell nuclei. Rna, 2004, 10, 622-633.	3.5	78
78	A single RNA recognition motif in splicing factor ASF/SF2 directs it to nuclear sites of adenovirus transcription. Journal of General Virology, 2004, 85, 603-608.	2.9	5
79	Regulation of adenovirus alternative RNA splicing correlates with a reorganization of splicing factors in the nucleus. Experimental Cell Research, 2003, 289, 77-85.	2.6	16
80	Dynamic association of RNA-editing enzymes with the nucleolus. Journal of Cell Science, 2003, 116, 1805-1818.	2.0	231
81	Clastosome: A Subtype of Nuclear Body Enriched in 19S and 20S Proteasomes, Ubiquitin, and Protein Substrates of Proteasome. Molecular Biology of the Cell, 2002, 13, 2771-2782.	2.1	121
82	The intranuclear mobility of messenger RNA binding proteins is ATP dependent and temperature sensitive. Journal of Cell Biology, 2002, 159, 795-805.	5.2	111
83	The Contribution of Nuclear Compartmentalization to Gene Regulation. Cell, 2002, 108, 513-521.	28.9	171
84	Hepatitis delta virus ribonucleoproteins shuttle between the nucleus and the cytoplasm. Rna, 2002, 8, 637-646.	3.5	57
85	Macromolecular mobility inside the cell nucleus. Trends in Cell Biology, 2002, 12, 491-495.	7.9	70
86	Understanding nuclear order. Trends in Biochemical Sciences, 2002, 27, 332-334.	7.5	5
87	New clues to the function of the Cajal body. EMBO Reports, 2002, 3, 726-727.	4.5	51
88	Triplet repeats, RNA secondary structure and toxic gain-of-function models for pathogenesis. Brain Research Bulletin, 2001, 56, 191-201.	3.0	42
89	Precursor RNAs Harboring Nonsense Codons Accumulate Near the Site of Transcription. Molecular Cell, 2001, 8, 33-43.	9.7	115
90	The rules and roles of nucleocytoplasmic shuttling proteins. FEBS Letters, 2001, 498, 157-163.	2.8	103

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91	Quality control of gene expression in the nucleus. Journal of Cellular and Molecular Medicine, 2001, 5, 267-275.	3.6	7
92	Nucleocytoplasmic Shuttling of Heterodimeric Splicing Factor U2AF. Journal of Biological Chemistry, 2001, 276, 13104-13112.	3.4	45
93	Chromosomal G-dark Bands Determine the Spatial Organization of Centromeric Heterochromatin in the Nucleus. Molecular Biology of the Cell, 2001, 12, 3563-3572.	2.1	67
94	To be or not to be in the nucleolus. Nature Cell Biology, 2000, 2, E107-E112.	10.3	346
95	Deciphering the cellular pathway for transport of poly(A)-binding protein II. Rna, 2000, 6, 245-256.	3.5	91
96	The C-terminal domain of TAP interacts with the nuclear pore complex and promotes export of specific CTE-bearing RNA substrates. Rna, 2000, 6, 136-158.	3.5	298
97	Identification of Two Novel RanGTP-binding Proteins Belonging to the Importin Î² Superfamily. Journal of Biological Chemistry, 2000, 275, 40163-40168.	3.4	54
98	Nuclear inclusions in oculopharyngeal muscular dystrophy consist of poly(A) binding protein 2 aggregates which sequester poly(A) RNA. Human Molecular Genetics, 2000, 9, 2321-2328.	2.9	226
99	TAP (NXF1) Belongs to a Multigene Family of Putative RNA Export Factors with a Conserved Modular Architecture. Molecular and Cellular Biology, 2000, 20, 8996-9008.	2.3	210
100	Vesicular Stomatitis Virus Matrix Protein Inhibits Host Cell Gene Expression by Targeting the Nucleoporin Nup98. Molecular Cell, 2000, 6, 1243-1252.	9.7	226
101	The Spinal Muscular Atrophy Disease Gene Product, Smn. Journal of Cell Biology, 1999, 147, 715-728.	5.2	205
102	Inefficient processing impairs release of RNA from the site of transcription. EMBO Journal, 1999, 18, 2855-2866.	7.8	194
103	Microinjection of Anti-coilin Antibodies Affects the Structure of Coiled Bodies. Journal of Cell Biology, 1998, 142, 899-912.	5.2	83
104	Localization of hepatitis delta virus RNA in the nucleus of human cells. Rna, 1998, 4, 680-693.	3.5	33
105	Targeting of U2AF65 to Sites of Active Splicing in the Nucleus. Journal of Cell Biology, 1997, 137, 975-987.	5.2	115
106	The spatial distribution of human immunoglobulin genes within the nucleus: evidence for gene topography independent of cell type and transcriptional activity. Human Genetics, 1997, 100, 588-594.	3.8	30
107	Semithin cryosections as a tool to perform high resolution immunofluorescence and in situ hybridization analysis of the nervous tissue: a study in the supraoptic nucleus. Journal of Neuroscience Methods, 1997, 75, 137-145.	2.5	4
108	The Topography of Chromosomes and Genes in the Nucleus. Experimental Cell Research, 1996, 229, 247-252.	2.6	18

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109	Nuclear morphogenesis and the onset of transcriptional activity in early hamster embryos. Chromosoma, 1996, 105, 1-11.	2.2	12
110	Characterization of a Helicase-Like Transcription Factor Involved in the Expression of the Human Plasminogen Activator Inhibitor-1 Gene. DNA and Cell Biology, 1996, 15, 429-442.	1.9	44
111	Nuclear morphogenesis and the onset of transcriptional activity in early hamster embryos. Chromosoma, 1996, 105, 1-11.	2.2	2
112	Interactions of adenovirus with the nucleus of the host cell. Reviews in Medical Virology, 1995, 5, 213-218.	8.3	3
113	Nuclear Organization of snRNPs and Splicing Factors. Molecular Biology Intelligence Unit, 1995, , 163-171.	0.2	0
114	Retinoic acid regulates aberrant nuclear localization of PML-RARÎ± in acute promyelocytic leukemia cells. Cell, 1994, 76, 345-356.	28.9	691
115	Localisation of splicing snRNPs in mammalian cells. Molecular Biology Reports, 1993, 18, 127-133.	2.3	66
116	Cytokeratin in early hamster embryogenesis and parthenogenesis: reorganization during mitosis and association with clusters of interchromatinlike granules. Differentiation, 1991, 48, 67-74.	1.9	8
117	Cytokeratin filaments are present in golden hamster oocytes and early embryos. Differentiation, 1989, 42, 1-9.	1.9	37