

Xiang-Dong Fu

List of Publications by Year in descending order

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233
papers

26,940
citations

4136

87
h-index

7152

153
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all docs

249
docs citations

249
times ranked

33180
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of the Hippo-YAP Pathway by G-Protein-Coupled Receptor Signaling. <i>Cell</i> , 2012, 150, 780-791.	13.5	1,310
2	Context-dependent control of alternative splicing by RNA-binding proteins. <i>Nature Reviews Genetics</i> , 2014, 15, 689-701.	7.7	854
3	Reprogramming transcription by distinct classes of enhancers functionally defined by eRNA. <i>Nature</i> , 2011, 474, 390-394.	13.7	777
4	Factor required for mammalian spliceosome assembly is localized to discrete regions in the nucleus. <i>Nature</i> , 1990, 343, 437-441.	13.7	726
5	A large-scale binding and functional map of human RNA-binding proteins. <i>Nature</i> , 2020, 583, 711-719.	13.7	667
6	9p21 DNA variants associated with coronary artery disease impair interferon- β signalling response. <i>Nature</i> , 2011, 470, 264-268.	13.7	557
7	Nuclear Receptor-Induced Chromosomal Proximity and DNA Breaks Underlie Specific Translocations in Cancer. <i>Cell</i> , 2009, 139, 1069-1083.	13.5	539
8	An RNA code for the FOX2 splicing regulator revealed by mapping RNA-protein interactions in stem cells. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 130-137.	3.6	536
9	Direct Conversion of Fibroblasts to Neurons by Reprogramming PTB-Regulated MicroRNA Circuits. <i>Cell</i> , 2013, 152, 82-96.	13.5	508
10	Targeted degradation of sense and antisense <i>C9orf72</i> RNA foci as therapy for ALS and frontotemporal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4530-9.	3.3	508
11	A serine kinase regulates intracellular localization of splicing factors in the cell cycle. <i>Nature</i> , 1994, 369, 678-682.	13.7	498
12	Genome-wide Analysis of PTB-RNA Interactions Reveals a Strategy Used by the General Splicing Repressor to Modulate Exon Inclusion or Skipping. <i>Molecular Cell</i> , 2009, 36, 996-1006.	4.5	429
13	Timing of plant immune responses by a central circadian regulator. <i>Nature</i> , 2011, 470, 110-114.	13.7	404
14	Histone Methylation-Dependent Mechanisms Impose Ligand Dependency for Gene Activation by Nuclear Receptors. <i>Cell</i> , 2007, 128, 505-518.	13.5	399
15	MicroRNA Directly Enhances Mitochondrial Translation during Muscle Differentiation. <i>Cell</i> , 2014, 158, 607-619.	13.5	385
16	Regulation of splicing by SR proteins and SR protein-specific kinases. <i>Chromosoma</i> , 2013, 122, 191-207.	1.0	358
17	Pachytene piRNAs instruct massive mRNA elimination during late spermiogenesis. <i>Cell Research</i> , 2014, 24, 680-700.	5.7	344
18	The splicing factor SC35 has an active role in transcriptional elongation. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 819-826.	3.6	316

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19	Reversing a model of Parkinson's disease with in situ converted nigral neurons. <i>Nature</i> , 2020, 582, 550-556.	13.7	316
20	ASF/SF2-Regulated CaMKII β Alternative Splicing Temporally Reprograms Excitation-Contraction Coupling in Cardiac Muscle. <i>Cell</i> , 2005, 120, 59-72.	13.5	315
21	Identification of Nafamostat as a Potent Inhibitor of Middle East Respiratory Syndrome Coronavirus S Protein-Mediated Membrane Fusion Using the Split-Protein-Based Cell-Cell Fusion Assay. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6532-6539.	1.4	300
22	SR Proteins Collaborate with 7SK and Promoter-Associated Nascent RNA to Release Paused Polymerase. <i>Cell</i> , 2013, 153, 855-868.	13.5	279
23	Specific commitment of different pre-mRNAs to splicing by single SR proteins. <i>Nature</i> , 1993, 365, 82-85.	13.7	274
24	SRPK2: A Differentially Expressed SR Protein-specific Kinase Involved in Mediating the Interaction and Localization of Pre-mRNA Splicing Factors in Mammalian Cells. <i>Journal of Cell Biology</i> , 1998, 140, 737-750.	2.3	274
25	MIWI and piRNA-mediated cleavage of messenger RNAs in mouse testes. <i>Cell Research</i> , 2015, 25, 193-207.	5.7	266
26	R-ChIP Using Inactive RNase H Reveals Dynamic Coupling of R-loops with Transcriptional Pausing at Gene Promoters. <i>Molecular Cell</i> , 2017, 68, 745-757.e5.	4.5	263
27	SR Proteins in Vertical Integration of Gene Expression from Transcription to RNA Processing to Translation. <i>Molecular Cell</i> , 2009, 35, 1-10.	4.5	262
28	Genome-wide Analysis Reveals SR Protein Cooperation and Competition in Regulated Splicing. <i>Molecular Cell</i> , 2013, 50, 223-235.	4.5	261
29	Efficient Generation of Human iPSCs by a Synthetic Self-Replicative RNA. <i>Cell Stem Cell</i> , 2013, 13, 246-254.	5.2	253
30	Pre-mRNA splicing is facilitated by an optimal RNA polymerase II elongation rate. <i>Genes and Development</i> , 2014, 28, 2663-2676.	2.7	250
31	Enhancing nuclear receptor-induced transcription requires nuclear motor and LSD1-dependent gene networking in interchromatin granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19199-19204.	3.3	246
32	Isolation of a complementary DNA that encodes the mammalian splicing factor SC35. <i>Science</i> , 1992, 256, 535-538.	6.0	245
33	GRID-seq reveals the global RNA-chromatin interactome. <i>Nature Biotechnology</i> , 2017, 35, 940-950.	9.4	233
34	Ultrastructural Analysis of Transcription and Splicing in the Cell Nucleus after Bromo-UTP Microinjection. <i>Molecular Biology of the Cell</i> , 1999, 10, 211-223.	0.9	228
35	CLP1 Founder Mutation Links tRNA Splicing and Maturation to Cerebellar Development and Neurodegeneration. <i>Cell</i> , 2014, 157, 651-663.	13.5	228
36	Pervasive Chromatin-RNA Binding Protein Interactions Enable RNA-Based Regulation of Transcription. <i>Cell</i> , 2019, 178, 107-121.e18.	13.5	224

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37	The Akt-SRPK-SR Axis Constitutes a Major Pathway in Transducing EGF Signaling to Regulate Alternative Splicing in the Nucleus. <i>Molecular Cell</i> , 2012, 47, 422-433.	4.5	221
38	ALS-causative mutations in FUS/TLS confer gain and loss of function by altered association with SMN and U1-snRNP. <i>Nature Communications</i> , 2015, 6, 6171.	5.8	205
39	The Augmented R-Loop Is a Unifying Mechanism for Myelodysplastic Syndromes Induced by High-Risk Splicing Factor Mutations. <i>Molecular Cell</i> , 2018, 69, 412-425.e6.	4.5	203
40	Profiling alternative splicing on fiber-optic arrays. <i>Nature Biotechnology</i> , 2002, 20, 353-358.	9.4	197
41	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014, 511, 358-361.	13.7	193
42	Ubiquitination-Deficient Mutations in Human Piwi Cause Male Infertility by Impairing Histone-to-Protamine Exchange during Spermiogenesis. <i>Cell</i> , 2017, 169, 1090-1104.e13.	13.5	193
43	Toxic gain of function from mutant <scp>FUS</scp> protein is crucial to trigger cell autonomous motor neuron loss. <i>EMBO Journal</i> , 2016, 35, 1077-1097.	3.5	187
44	ALS/FTD-Linked Mutation in FUS Suppresses Intra-axonal Protein Synthesis and Drives Disease Without Nuclear Loss-of-Function of FUS. <i>Neuron</i> , 2018, 100, 816-830.e7.	3.8	185
45	Interaction between the RNA binding domains of Ser-Arg splicing factor 1 and U1-70K snRNP protein determines early spliceosome assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8233-8238.	3.3	180
46	Interplay between SRPK and Clk/Sty Kinases in Phosphorylation of the Splicing Factor ASF/SF2 Is Regulated by a Docking Motif in ASF/SF2. <i>Molecular Cell</i> , 2005, 20, 77-89.	4.5	179
47	Age-Dependent Brain Gene Expression and Copy Number Anomalies in Autism Suggest Distinct Pathological Processes at Young Versus Mature Ages. <i>PLoS Genetics</i> , 2012, 8, e1002592.	1.5	179
48	SR Proteins and Related Factors in Alternative Splicing. <i>Advances in Experimental Medicine and Biology</i> , 2007, 623, 107-122.	0.8	178
49	Non-coding RNA: a new frontier in regulatory biology. <i>National Science Review</i> , 2014, 1, 190-204.	4.6	175
50	SRPK1 and Clk/Sty Protein Kinases Show Distinct Substrate Specificities for Serine/Arginine-rich Splicing Factors. <i>Journal of Biological Chemistry</i> , 1996, 271, 24569-24575.	1.6	172
51	Capturing the interactome of newly transcribed RNA. <i>Nature Methods</i> , 2018, 15, 213-220.	9.0	170
52	A Versatile Assay for High-Throughput Gene Expression Profiling on Universal Array Matrices. <i>Genome Research</i> , 2004, 14, 878-885.	2.4	165
53	NEAT1 scaffolds RNA-binding proteins and the Microprocessor to globally enhance pri-miRNA processing. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 816-824.	3.6	165
54	Regulation of SR protein phosphorylation and alternative splicing by modulating kinetic interactions of SRPK1 with molecular chaperones. <i>Genes and Development</i> , 2009, 23, 482-495.	2.7	160

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55	Functional integration of transcriptional and RNA processing machineries. <i>Current Opinion in Cell Biology</i> , 2008, 20, 260-265.	2.6	154
56	Chromatin-associated RNAs as facilitators of functional genomic interactions. <i>Nature Reviews Genetics</i> , 2019, 20, 503-519.	7.7	151
57	Mechanisms for U2AF to define 3' splice sites and regulate alternative splicing in the human genome. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 997-1005.	3.6	150
58	Nuclear Matrix Factor hnRNP U/SAF-A Exerts a Global Control of Alternative Splicing by Regulating U2 snRNP Maturation. <i>Molecular Cell</i> , 2012, 45, 656-668.	4.5	146
59	Conserved Sr Protein Kinase Functions in Nuclear Import and Its Action Is Counteracted by Arginine Methylation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2000, 150, 707-718.	2.3	144
60	Molecular basis for 5-carboxycytosine recognition by RNA polymerase II elongation complex. <i>Nature</i> , 2015, 523, 621-625.	13.7	141
61	Splicing Regulator SC35 Is Essential for Genomic Stability and Cell Proliferation during Mammalian Organogenesis. <i>Molecular and Cellular Biology</i> , 2007, 27, 5393-5402.	1.1	137
62	SC35 Plays a Role in T Cell Development and Alternative Splicing of CD45. <i>Molecular Cell</i> , 2001, 7, 331-342.	4.5	136
63	Layered hydrogels accelerate iPSC-derived neuronal maturation and reveal migration defects caused by MeCP2 dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3185-3190.	3.3	136
64	A Translation-Activating Function of MIWI/piRNA during Mouse Spermiogenesis. <i>Cell</i> , 2019, 179, 1566-1581.e16.	13.5	136
65	Principles of RNA processing from analysis of enhanced CLIP maps for 150 RNA binding proteins. <i>Genome Biology</i> , 2020, 21, 90.	3.8	136
66	Phosphorylation Regulates In Vivo Interaction and Molecular Targeting of Serine/Arginine-rich Pre-mRNA Splicing Factors. <i>Journal of Cell Biology</i> , 1999, 145, 447-455.	2.3	135
67	The splicing regulator PTBP2 controls a program of embryonic splicing required for neuronal maturation. <i>ELife</i> , 2014, 3, e01201.	2.8	135
68	MicroRNA-21 Lowers Blood Pressure in Spontaneous Hypertensive Rats by Upregulating Mitochondrial Translation. <i>Circulation</i> , 2016, 134, 734-751.	1.6	134
69	A novel class of microRNA-recognition elements that function only within open reading frames. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1019-1027.	3.6	134
70	Substrate Specificities of SR Proteins in Constitutive Splicing Are Determined by Their RNA Recognition Motifs and Composite Pre-mRNA Exonic Elements. <i>Molecular and Cellular Biology</i> , 1999, 19, 1853-1863.	1.1	133
71	Dilated cardiomyopathy caused by tissue-specific ablation of SC35 in the heart. <i>EMBO Journal</i> , 2004, 23, 885-896.	3.5	128
72	SON Controls Cell-Cycle Progression by Coordinated Regulation of RNA Splicing. <i>Molecular Cell</i> , 2011, 42, 185-198.	4.5	127

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73	Nuclear miR-320 Mediates Diabetes-Induced Cardiac Dysfunction by Activating Transcription of Fatty Acid Metabolic Genes to Cause Lipotoxicity in the Heart. <i>Circulation Research</i> , 2019, 125, 1106-1120.	2.0	127
74	Perspectives on ENCODE. <i>Nature</i> , 2020, 583, 693-698.	13.7	123
75	Sensitive ChIP-DSL technology reveals an extensive estrogen receptor \hat{A} -binding program on human gene promoters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4852-4857.	3.3	120
76	Pre-mRNA splicing: where and when in the nucleus. <i>Trends in Cell Biology</i> , 2011, 21, 336-343.	3.6	118
77	MAPT/Tau accumulation represses autophagy flux by disrupting IST1-regulated ESCRT-III complex formation: a vicious cycle in Alzheimer neurodegeneration. <i>Autophagy</i> , 2020, 16, 641-658.	4.3	117
78	RBFox1-mediated RNA splicing regulates cardiac hypertrophy and heart failure. <i>Journal of Clinical Investigation</i> , 2015, 126, 195-206.	3.9	114
79	Both Decreased and Increased SRPK1 Levels Promote Cancer by Interfering with PHLPP-Mediated Dephosphorylation of Akt. <i>Molecular Cell</i> , 2014, 54, 378-391.	4.5	105
80	Regulated Cellular Partitioning of SR Protein-specific Kinases in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2006, 17, 876-885.	0.9	101
81	SRSF1 regulates the assembly of pre-mRNA processing factors in nuclear speckles. <i>Molecular Biology of the Cell</i> , 2012, 23, 3694-3706.	0.9	100
82	A protein related to splicing factor U2AF35 that interacts with U2AF65 and SR proteins in splicing of pre-mRNA. <i>Nature</i> , 1997, 388, 397-400.	13.7	99
83	A Sliding Docking Interaction Is Essential for Sequential and Processive Phosphorylation of an SR Protein by SRPK1. <i>Molecular Cell</i> , 2008, 29, 563-576.	4.5	98
84	Processive phosphorylation of alternative splicing factor/splicing factor 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12601-12606.	3.3	97
85	MiR-215 Is Induced Post-transcriptionally via HIF-Drosha Complex and Mediates Glioma-Initiating Cell Adaptation to Hypoxia by Targeting KDM1B. <i>Cancer Cell</i> , 2016, 29, 49-60.	7.7	95
86	SRPKIN-1: A Covalent SRPK1/2 Inhibitor that Potently Converts VEGF from Pro-angiogenic to Anti-angiogenic Isoform. <i>Cell Chemical Biology</i> , 2018, 25, 460-470.e6.	2.5	95
87	SRSF2 Is Essential for Hematopoiesis, and Its Myelodysplastic Syndrome-Related Mutations Dysregulate Alternative Pre-mRNA Splicing. <i>Molecular and Cellular Biology</i> , 2015, 35, 3071-3082.	1.1	92
88	TDP-43 aggregation induced by oxidative stress causes global mitochondrial imbalance in ALS. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 132-142.	3.6	92
89	Profiling alternatively spliced mRNA isoforms for prostate cancer classification. <i>BMC Bioinformatics</i> , 2006, 7, 202.	1.2	91
90	Determination of tag density required for digital transcriptome analysis: Application to an androgen-sensitive prostate cancer model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20179-20184.	3.3	90

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91	Dephosphorylation-Dependent Sorting of SR Splicing Factors during mRNP Maturation. <i>Molecular Cell</i> , 2005, 20, 413-425.	4.5	88
92	Sequential regulatory loops as key gatekeepers for neuronal reprogramming in human cells. <i>Nature Neuroscience</i> , 2016, 19, 807-815.	7.1	88
93	Mass Spectrometric and Kinetic Analysis of ASF/SF2 Phosphorylation by SRPK1 and Clk/Sty. <i>Journal of Biological Chemistry</i> , 2005, 280, 41761-41768.	1.6	82
94	RASL-seq for Massively Parallel and Quantitative Analysis of Gene Expression. <i>Current Protocols in Molecular Biology</i> , 2012, 98, Unit 4.13.1-9.	2.9	78
95	Characteristics and regulatory elements defining constitutive splicing and different modes of alternative splicing in human and mouse. <i>Rna</i> , 2005, 11, 1777-1787.	1.6	75
96	Two-Dimensional Transcriptome Profiling: Identification of Messenger RNA Isoform Signatures in Prostate Cancer from Archived Paraffin-Embedded Cancer Specimens. <i>Cancer Research</i> , 2006, 66, 4079-4088.	0.4	75
97	Repression of the Central Splicing Regulator RBFOX2 Is Functionally Linked to Pressure Overload-Induced Heart Failure. <i>Cell Reports</i> , 2015, 10, 1521-1533.	2.9	74
98	Release of SR Proteins from CLK1 by SRPK1: A Symbiotic Kinase System for Phosphorylation Control of Pre-mRNA Splicing. <i>Molecular Cell</i> , 2016, 63, 218-228.	4.5	74
99	Towards a Splicing Code. <i>Cell</i> , 2004, 119, 736-738.	13.5	73
100	SR Proteins Induce Alternative Exon Skipping through Their Activities on the Flanking Constitutive Exons. <i>Molecular and Cellular Biology</i> , 2011, 31, 793-802.	1.1	72
101	The structure of Sky1p reveals a novel mechanism for constitutive activity. <i>Nature Structural Biology</i> , 2001, 8, 176-183.	9.7	70
102	Partitioning RS Domain Phosphorylation in an SR Protein through the CLK and SRPK Protein Kinases. <i>Journal of Molecular Biology</i> , 2013, 425, 2894-2909.	2.0	69
103	Inhibition of mTOR pathway restrains astrocyte proliferation, migration and production of inflammatory mediators after oxygen-glucose deprivation and reoxygenation. <i>Neurochemistry International</i> , 2015, 83-84, 9-18.	1.9	66
104	An evolutionarily conserved DNA architecture determines target specificity of the TWIST family bHLH transcription factors. <i>Genes and Development</i> , 2015, 29, 603-616.	2.7	66
105	RBFOX2 Binds Nascent RNA to Globally Regulate Polycomb Complex 2 Targeting in Mammalian Genomes. <i>Molecular Cell</i> , 2016, 62, 875-889.	4.5	66
106	Widespread JNK-dependent alternative splicing induces a positive feedback loop through CELF2-mediated regulation of MKK7 during T-cell activation. <i>Genes and Development</i> , 2015, 29, 2054-2066.	2.7	65
107	Versatile pathway-centric approach based on high-throughput sequencing to anticancer drug discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4609-4614.	3.3	63
108	A multiplex RNA-seq strategy to profile poly(A+) RNA: Application to analysis of transcription response and 3' end formation. <i>Genomics</i> , 2011, 98, 266-271.	1.3	61

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109	SPOP-containing complex regulates SETD2 stability and H3K36me3-coupled alternative splicing. <i>Nucleic Acids Research</i> , 2017, 45, 92-105.	6.5	60
110	De Novo Prediction of PTBP1 Binding and Splicing Targets Reveals Unexpected Features of Its RNA Recognition and Function. <i>PLoS Computational Biology</i> , 2014, 10, e1003442.	1.5	56
111	PTB/nPTB: master regulators of neuronal fate in mammals. <i>Biophysics Reports</i> , 2018, 4, 204-214.	0.2	55
112	Transcriptional repression of estrogen receptor alpha by YAP reveals the Hippo pathway as therapeutic target for ER+ breast cancer. <i>Nature Communications</i> , 2022, 13, 1061.	5.8	55
113	Transcription Factor PAX6 (Paired Box 6) Controls Limbal Stem Cell Lineage in Development and Disease. <i>Journal of Biological Chemistry</i> , 2015, 290, 20448-20454.	1.6	54
114	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. <i>Cell</i> , 2020, 180, 1212-1227.e14.	13.5	54
115	Nuclear organization in the 3D space of the nucleus—cause or consequence?. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 424-436.	1.5	52
116	Induced transcription and stability of CELF2 mRNA drives widespread alternative splicing during T-cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2139-48.	3.3	51
117	Fingolimod suppresses neuronal autophagy through the mTOR/p70S6K pathway and alleviates ischemic brain damage in mice. <i>PLoS ONE</i> , 2017, 12, e0188748.	1.1	51
118	PTB/nPTB switch: a post-transcriptional mechanism for programming neuronal differentiation: Figure 1.. <i>Genes and Development</i> , 2007, 21, 1573-1577.	2.7	50
119	Eliminating base-editor-induced genome-wide and transcriptome-wide off-target mutations. <i>Nature Cell Biology</i> , 2021, 23, 552-563.	4.6	50
120	Hierarchically constructed selenium-doped bone-mimetic nanoparticles promote ROS-mediated autophagy and apoptosis for bone tumor inhibition. <i>Biomaterials</i> , 2020, 257, 120253.	5.7	47
121	Suppression of hepatitis B virus replication by SRPK1 and SRPK2 via a pathway independent of the phosphorylation of the viral core protein. <i>Virology</i> , 2005, 342, 150-158.	1.1	46
122	Ordered Multi-site Phosphorylation of the Splicing Factor ASF/SF2 By SRPK1. <i>Journal of Molecular Biology</i> , 2008, 376, 55-68.	2.0	46
123	R-ChIP for genome-wide mapping of R-loops by using catalytically inactive RNASEH1. <i>Nature Protocols</i> , 2019, 14, 1661-1685.	5.5	46
124	LncRNA-HOTAIR inhibition aggravates oxidative stress-induced H9c2 cells injury through suppression of MMP2 by miR-125. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 996-1006.	0.9	45
125	Seawater acidification increases copper toxicity: A multi-biomarker approach with a key marine invertebrate, the Pacific Oyster <i>Crassostrea gigas</i> . <i>Aquatic Toxicology</i> , 2019, 210, 167-178.	1.9	45
126	Phosphorylation-dependent and -independent Nuclear Import of RS Domain-containing Splicing Factors and Regulators. <i>Journal of Biological Chemistry</i> , 2003, 278, 18050-18055.	1.6	44

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127	Adaptable Molecular Interactions Guide Phosphorylation of the SR Protein ASF/SF2 by SRPK1. <i>Journal of Molecular Biology</i> , 2008, 382, 894-909.	2.0	44
128	PRDM16 Is a Compact Myocardium-Enriched Transcription Factor Required to Maintain Compact Myocardial Cardiomyocyte Identity in Left Ventricle. <i>Circulation</i> , 2022, 145, 586-602.	1.6	44
129	Conserved proline-directed phosphorylation regulates SR protein conformation and splicing function. <i>Biochemical Journal</i> , 2015, 466, 311-322.	1.7	43
130	Nexilin Is a New Component of Junctional Membrane Complexes Required for Cardiac T-Tubule Formation. <i>Circulation</i> , 2019, 140, 55-66.	1.6	41
131	Distinct splicing signatures affect converged pathways in myelodysplastic syndrome patients carrying mutations in different splicing regulators. <i>Rna</i> , 2016, 22, 1535-1549.	1.6	40
132	JMJD6 and U2AF65 co-regulate alternative splicing in both JMJD6 enzymatic activity dependent and independent manner. <i>Nucleic Acids Research</i> , 2017, 45, 3503-3518.	6.5	40
133	MicroRNA-34c Downregulation Ameliorates Amyloid- β -Induced Synaptic Failure and Memory Deficits by Targeting VAMP2. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 673-686.	1.2	37
134	Deep learning-enabled pelvic ultrasound images for accurate diagnosis of ovarian cancer in China: a retrospective, multicentre, diagnostic study. <i>The Lancet Digital Health</i> , 2022, 4, e179-e187.	5.9	37
135	Genomic functions of U2AF in constitutive and regulated splicing. <i>RNA Biology</i> , 2015, 12, 479-485.	1.5	36
136	N-terminus of the protein kinase CLK1 induces SR protein hyperphosphorylation. <i>Biochemical Journal</i> , 2014, 462, 143-152.	1.7	35
137	Mechanism of Dephosphorylation of the SR Protein ASF/SF2 by Protein Phosphatase 1. <i>Journal of Molecular Biology</i> , 2010, 403, 386-404.	2.0	33
138	Directly converted patient-specific induced neurons mirror the neuropathology of FUS with disrupted nuclear localization in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2016, 11, 8.	4.4	33
139	SR Protein Kinase 1 Is Resilient to Inactivation. <i>Structure</i> , 2007, 15, 123-133.	1.6	32
140	Liver-Specific Deletion of SRSF2 Caused Acute Liver Failure and Early Death in Mice. <i>Molecular and Cellular Biology</i> , 2016, 36, 1628-1638.	1.1	32
141	RBFox2-miR-34a-Jph2 axis contributes to cardiac decompensation during heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6172-6180.	3.3	32
142	SRPK1 acetylation modulates alternative splicing to regulate cisplatin resistance in breast cancer cells. <i>Communications Biology</i> , 2020, 3, 268.	2.0	32
143	Active RNA interference in mitochondria. <i>Cell Research</i> , 2021, 31, 219-228.	5.7	32
144	Regiospecific Phosphorylation Control of the SR Protein ASF/SF2 by SRPK1. <i>Journal of Molecular Biology</i> , 2009, 390, 618-634.	2.0	31

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145	GRID-seq for comprehensive analysis of global RNA-chromatin interactions. <i>Nature Protocols</i> , 2019, 14, 2036-2068.	5.5	31
146	Matrix stiffness regulates epithelial-mesenchymal transition via cytoskeletal remodeling and MRTF-A translocation in osteosarcoma cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 226-238.	1.5	31
147	Type I Interferon Regulates a Coordinated Gene Network to Enhance Cytotoxic T Cell-Mediated Tumor Killing. <i>Cancer Discovery</i> , 2020, 10, 382-393.	7.7	31
148	Induction of Retinal Progenitors and Neurons from Mammalian Müller Glia under Defined Conditions. <i>Journal of Biological Chemistry</i> , 2014, 289, 11945-11951.	1.6	30
149	Dynamic profiling and functional interpretation of histone lysine crotonylation and lactylation during neural development. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	30
150	Co-Expression of Foreign Proteins Tethered to HIV-1 Envelope Glycoprotein on the Cell Surface by Introducing an Intervening Second Membrane-Spanning Domain. <i>PLoS ONE</i> , 2014, 9, e96790.	1.1	29
151	Irx1 regulates dental outer enamel epithelial and lung alveolar type II epithelial differentiation. <i>Developmental Biology</i> , 2017, 429, 44-55.	0.9	29
152	β-catenin deficiency in hepatocytes aggravates hepatocarcinogenesis driven by oncogenic β-catenin and MET. <i>Hepatology</i> , 2018, 67, 1807-1822.	3.6	29
153	Transcription Elongation Machinery Is a Druggable Dependency and Potentiates Immunotherapy in Glioblastoma Stem Cells. <i>Cancer Discovery</i> , 2022, 12, 502-521.	7.7	29
154	Novel nuclear ribonucleoprotein structural components in the dormouse adrenal cortex during hibernation. <i>Chromosoma</i> , 1995, 104, 121-128.	1.0	28
155	Direct Reprogramming of Huntington's Disease Patient Fibroblasts into Neuron-Like Cells Leads to Abnormal Neurite Outgrowth, Increased Cell Death, and Aggregate Formation. <i>PLoS ONE</i> , 2014, 9, e109621.	1.1	28
156	Global analysis of physical and functional RNA targets of hnRNP L reveals distinct sequence and epigenetic features of repressed and enhanced exons. <i>Rna</i> , 2015, 21, 2053-2066.	1.6	28
157	CELF RNA binding proteins promote axon regeneration in <i>C. elegans</i> and mammals through alternative splicing of Syntaxins. <i>ELife</i> , 2016, 5, .	2.8	27
158	PVT1 affects EMT and cell proliferation and migration via regulating p21 in triple-negative breast cancer cells cultured with mature adipogenic medium. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 1211-1218.	0.9	27
159	Alternative polyadenylation by sequential activation of distal and proximal PolyA sites. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 21-31.	3.6	27
160	ADAR1-mediated RNA editing links ganglioside catabolism to glioblastoma stem cell maintenance. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	27
161	The RNA binding protein EWS is broadly involved in the regulation of pri-miRNA processing in mammalian cells. <i>Nucleic Acids Research</i> , 2017, 45, 12481-12495.	6.5	26
162	Cockayne syndrome B protein acts as an ATP-dependent processivity factor that helps RNA polymerase II overcome nucleosome barriers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25486-25493.	3.3	26

#	ARTICLE	IF	CITATIONS
163	Patient fibroblasts-derived induced neurons demonstrate autonomous neuronal defects in adult-onset Krabbe disease. <i>Oncotarget</i> , 2016, 7, 74496-74509.	0.8	26
164	Localization of Serine Kinases, SRPK1 (SFRSK1) and SRPK2 (SFRSK2), Specific for the SR Family of Splicing Factors in Mouse and Human Chromosomes. <i>Genomics</i> , 1999, 57, 310-315.	1.3	25
165	Evidence for a role of Sky1p-mediated phosphorylation in 3' splice site recognition involving both Prp8 and Prp17/Slu4. <i>Rna</i> , 2001, 7, 1284-1297.	1.6	25
166	The long noncoding RNA Malat1 regulates CD8+ T cell differentiation by mediating epigenetic repression. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	25
167	Rev Inhibition Strongly Affects Intracellular Distribution of Human Immunodeficiency Virus Type 1 RNAs. <i>Journal of Virology</i> , 2002, 76, 10473-10484.	1.5	24
168	MAASE: An alternative splicing database designed for supporting splicing microarray applications. <i>Rna</i> , 2005, 11, 1767-1776.	1.6	23
169	Chromatin: The Final Frontier in Splicing Regulation?. <i>Developmental Cell</i> , 2010, 18, 336-338.	3.1	23
170	Preprocessing and Quality Control Strategies for Illumina DASL Assay-Based Brain Gene Expression Studies with Semi-Degraded Samples. <i>Frontiers in Genetics</i> , 2012, 3, 11.	1.1	22
171	Unique role of SRSF2 in transcription activation and diverse functions of the SR and hnRNP proteins in gene expression regulation. <i>Transcription</i> , 2013, 4, 251-259.	1.7	22
172	CTCF functions as an insulator for somatic genes and a chromatin remodeler for pluripotency genes during reprogramming. <i>Cell Reports</i> , 2022, 39, 110626.	2.9	22
173	Regulation of splicing enhancer activities by RNA secondary structures. <i>FEBS Letters</i> , 2010, 584, 4401-4407.	1.3	21
174	Rapidly activated epidermal growth factor receptor mediates lipopolysaccharide-triggered migration of microglia. <i>Neurochemistry International</i> , 2015, 90, 85-92.	1.9	21
175	Oncogenic miR-17/20a Forms a Positive Feed-forward Loop with the p53 Kinase DAPK3 to Promote Tumorigenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 19967-19975.	1.6	21
176	Repeated Restraint Stress Led to Cognitive Dysfunction by NMDA Receptor-Mediated Hippocampal CA3 Dendritic Spine Impairments in Juvenile Sprague-Dawley Rats. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 552787.	1.4	21
177	CDK inhibitors in cancer therapy, an overview of recent development. <i>American Journal of Cancer Research</i> , 2021, 11, 1913-1935.	1.4	20
178	Dense granular bodies: a novel nucleoplasmic structure in hibernating dormice. <i>Histochemistry and Cell Biology</i> , 1996, 106, 581-586.	0.8	19
179	Conditional knockout mice to study alternative splicing in vivo. <i>Methods</i> , 2005, 37, 387-392.	1.9	19
180	Regulating SR Protein Phosphorylation through Regions Outside the Kinase Domain of SRPK1. <i>Journal of Molecular Biology</i> , 2011, 410, 131-145.	2.0	19

#	ARTICLE	IF	CITATIONS
181	R-loopBase: a knowledgebase for genome-wide R-loop formation and regulation. <i>Nucleic Acids Research</i> , 2022, 50, D303-D315.	6.5	19
182	Site-Specific and Enzymatic Cross-Linking of sgRNA Enables Wavelength-Selectable Photoactivated Control of CRISPR Gene Editing. <i>Journal of the American Chemical Society</i> , 2022, 144, 4487-4495.	6.6	18
183	CDK16 promotes the progression and metastasis of triple-negative breast cancer by phosphorylating PRC1. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 149.	3.5	18
184	TRAP150 interacts with the RNA-binding domain of PSF and antagonizes splicing of numerous PSF-target genes in T cells. <i>Nucleic Acids Research</i> , 2015, 43, 9006-9016.	6.5	17
185	Inflammation-dependent ISG15 upregulation mediates MIA-induced dendrite damages and depression by disrupting NEDD4/Rap2A signaling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1477-1489.	1.8	17
186	Structurally Unique Yeast and Mammalian Serine-Arginine Protein Kinases Catalyze Evolutionarily Conserved Phosphorylation Reactions. <i>Journal of Biological Chemistry</i> , 2007, 282, 23036-23043.	1.6	16
187	A structured RNA in hepatitis B virus post-transcriptional regulatory element represses alternative splicing in a sequence-independent and position-dependent manner. <i>FEBS Journal</i> , 2011, 278, 1533-1546.	2.2	16
188	Lactate transport facilitates neurite outgrowth. <i>Bioscience Reports</i> , 2018, 38, .	1.1	16
189	Epithelial cell-specific loss of function of <i>Miz1</i> causes a spontaneous COPD-like phenotype and up-regulates <i>Ace2</i> expression in mice. <i>Science Advances</i> , 2020, 6, eabb7238.	4.7	16
190	Transdifferentiation via transcription factors or microRNAs: Current status and perspective. <i>Differentiation</i> , 2015, 90, 69-76.	1.0	15
191	Overexpression of Mitofusin2 decreased the reactive astrocytes proliferation in vitro induced by oxygen-glucose deprivation/reoxygenation. <i>Neuroscience Letters</i> , 2017, 639, 68-73.	1.0	15
192	Inhibition of Histone Acetylation by ANP32A Induces Memory Deficits. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1537-1546.	1.2	14
193	Upregulation of UBAP2L in Bone Marrow Mesenchymal Stem Cells Promotes Functional Recovery in Rats with Spinal Cord Injury. <i>Current Medical Science</i> , 2018, 38, 1081-1089.	0.7	13
194	Global profiling of RNA-chromatin interactions reveals co-regulatory gene expression networks in Arabidopsis. <i>Nature Plants</i> , 2021, 7, 1364-1378.	4.7	13
195	Alternative Splicing of a Novel Inducible Exon Diversifies the CASK Guanylate Kinase Domain. <i>Journal of Nucleic Acids</i> , 2012, 2012, 1-15.	0.8	12
196	Interactive effects of ocean acidification, ocean warming, and diurnal temperature cycling on antioxidant responses and energy budgets in two sea urchins <i>Strongylocentrotus intermedius</i> and <i>Tripneustes gratilla</i> from different latitudes. <i>Science of the Total Environment</i> , 2022, 824, 153780.	3.9	12
197	Exploiting the Hidden Treasure of Detained Introns. <i>Cancer Cell</i> , 2017, 32, 393-395.	7.7	11
198	STAT3 ameliorates cognitive deficits by positively regulating the expression of NMDARs in a mouse model of FTDP-17. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 295.	7.1	11

#	ARTICLE	IF	CITATIONS
199	Overexpression of OLC1 Promotes Tumorigenesis of Human Esophageal Squamous Cell Carcinoma. PLoS ONE, 2014, 9, e90958.	1.1	10
200	A polysaccharide derived from Lentinus edodes impairs the immunosuppressive function of myeloid-derived suppressor cells via the p38 pathways. RSC Advances, 2017, 7, 36533-36540.	1.7	10
201	A tumorigenic index for quantitative analysis of liver cancer initiation and progression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26873-26880.	3.3	10
202	Angiocrine FSTL1 (Follistatin-Like Protein 1) Insufficiency Leads to Atrial and Venous Wall Fibrosis via SMAD3 Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 958-972.	1.1	10
203	P300/CBP inhibition sensitizes mantle cell lymphoma to PI3K \hat{I} inhibitor idelalisib. Acta Pharmacologica Sinica, 2022, 43, 457-469.	2.8	10
204	Widespread Alternative Splicing Changes in Metastatic Breast Cancer Cells. Cells, 2021, 10, 858.	1.8	10
205	Multiplex Analysis of PolyA-Linked Sequences (MAPS): An RNA-Seq Strategy to Profile Poly(A+) RNA. Methods in Molecular Biology, 2014, 1125, 169-178.	0.4	10
206	Genome-wide expression assay comparison across frozen and fixed postmortem brain tissue samples. BMC Genomics, 2011, 12, 449.	1.2	9
207	Active retrotransposons help maintain pericentromeric heterochromatin required for faithful cell division. Genome Research, 2020, 30, 1570-1582.	2.4	9
208	Conjugated linoleic acid prevents age-induced bone loss in mice by regulating both osteoblastogenesis and adipogenesis. Biochemical and Biophysical Research Communications, 2017, 490, 813-820.	1.0	8
209	Brain Repair by Cell Replacement via In Situ Neuronal Reprogramming. Annual Review of Genetics, 2021, 55, 45-69.	3.2	8
210	Context-dependent modulation of Pol II CTD phosphatase SSUP-72 regulates alternative polyadenylation in neuronal development. Genes and Development, 2015, 29, 2377-2390.	2.7	7
211	Both sides of the same coin: Rac1 splicing regulation by EGF signaling. Cell Research, 2017, 27, 455-456.	5.7	7
212	Acer Truncatum Seed Oil Alleviates Learning and Memory Impairments of Aging Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 680386.	1.8	6
213	Global Alternative Splicing Defects in Human Breast Cancer Cells. Cancers, 2021, 13, 3071.	1.7	6
214	Wiskott-Aldrich syndrome protein forms nuclear condensates and regulates alternative splicing. Nature Communications, 2022, 13, .	5.8	6
215	The Mediator Couples Transcription and Splicing. Molecular Cell, 2012, 45, 433-434.	4.5	5
216	EDTP/MTMR14: A novel target for improved survivorship to prolonged anoxia and cellular protein aggregates. Neuroscience Letters, 2019, 705, 151-158.	1.0	5

#	ARTICLE	IF	CITATIONS
217	A CRISPR RNA-binding protein screen reveals regulators of RUNX1 isoform generation. <i>Blood Advances</i> , 2021, 5, 1310-1323.	2.5	5
218	Splicing oncogenes. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 174-175.	3.6	4
219	RNA-Seq Analysis of Gene Expression and Alternative Splicing by Double-Random Priming Strategy. <i>Methods in Molecular Biology</i> , 2011, 729, 247-255.	0.4	4
220	Mechanistic Dissection of RNA-Binding Proteins in Regulated Gene Expression at Chromatin Levels. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019, 84, 55-66.	2.0	4
221	3D genome encoded by LINE and SINE repeats. <i>Cell Research</i> , 2021, 31, 603-604.	5.7	4
222	Reply to Lack of evidence for a role of PIWIL1 variants in human male infertility. <i>Cell</i> , 2021, 184, 1943-1944.	13.5	4
223	Tracking Intron Removal in Real Time. <i>Developmental Cell</i> , 2011, 21, 979-980.	3.1	2
224	Diabetic Insult-Induced Redistribution of MicroRNA in Spatially Organized Mitochondria in Cardiac Muscle. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 747-748.	5.1	2
225	ILF3 represses repeat-derived microRNAs targeting RIG-I mediated type I interferon response. <i>Journal of Molecular Biology</i> , 2022, 434, 167469.	2.0	2
226	DNA interaction networks: an information highway for regulated gene expression in the 3-dimensional space of the nucleus. <i>Cell Research</i> , 2009, 19, 1316-1319.	5.7	1
227	A Census of Nuclear Cyanobacterial Recruits in the Plant Kingdom. <i>PLoS ONE</i> , 2015, 10, e0120527.	1.1	1
228	Association of rs4552569 and rs17095830 single-nucleotide polymorphisms with susceptibility to ankylosing spondylitis in east Asian population: a meta-analysis. <i>Journal of Genetics</i> , 2018, 97, 825-833.	0.4	1
229	RNA helicases regulate RNA condensates. <i>Cell Research</i> , 2020, 30, 281-282.	5.7	1
230	Dense granular bodies: a novel nucleoplasmic structure in hibernating dormice. <i>Histochemistry and Cell Biology</i> , 1996, 106, 581-586.	0.8	1
231	Large-scale Analysis of mRNA Splice Variants by Microarray. , 0, , 655-663.		0
232	Yes, SiR. <i>Rna</i> , 2015, 21, 619-621.	1.6	0
233	Pre-mRNA Splicing in Eukaryotic Cells. , 2006, , 447-467.		0