

# Yong-Zhen Xu

## List of Publications by Year in descending order

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25  
papers

699  
citations

687363

13  
h-index

580821

25  
g-index

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all docs

25  
docs citations

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times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between the ATPase Prp5 and Branch Region-U2 snRNA Pairing Modulates the Fidelity of Spliceosome Assembly. <i>Molecular Cell</i> , 2007, 28, 838-849.	9.7	104
2	Prp5 bridges U1 and U2 snRNPs and enables stable U2 snRNP association with intron RNA. <i>EMBO Journal</i> , 2004, 23, 376-385.	7.8	90
3	SF3B1/Hsh155 HEAT motif mutations affect interaction with the spliceosomal ATPase Prp5, resulting in altered branch site selectivity in pre-mRNA splicing. <i>Genes and Development</i> , 2016, 30, 2710-2723.	5.9	76
4	A U1-U2 snRNP Interaction Network during Intron Definition. <i>Molecular and Cellular Biology</i> , 2012, 32, 470-478.	2.3	69
5	Splicing proofreading at 5' splice sites by ATPase Prp28p. <i>Nucleic Acids Research</i> , 2013, 41, 4660-4670.	14.5	48
6	Alternative splicing and trans-splicing events revealed by analysis of the <i>Bombyx mori</i> transcriptome. <i>Rna</i> , 2012, 18, 1395-1407.	3.5	38
7	Evolution of the Cholesterol Biosynthesis Pathway in Animals. <i>Molecular Biology and Evolution</i> , 2019, 36, 2548-2556.	8.9	37
8	A conserved intronic U1 snRNP-binding sequence promotes trans-splicing in <i>Drosophila</i> . <i>Genes and Development</i> , 2015, 29, 760-771.	5.9	27
9	Alternative polyadenylation by sequential activation of distal and proximal PolyA sites. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 21-31.	8.2	27
10	SPLICING FACTOR1 Is Important in Chloroplast Development under Cold Stress. <i>Plant Physiology</i> , 2020, 184, 973-987.	4.8	24
11	Crystal Structure of Prp5p Reveals Interdomain Interactions that Impact Spliceosome Assembly. <i>Cell Reports</i> , 2013, 5, 1269-1278.	6.4	23
12	Alternative splicing regulation of <i>doublesex</i> gene by RNA-binding proteins in the silkworm <i>Bombyx mori</i> . <i>RNA Biology</i> , 2019, 16, 809-820.	3.1	20
13	Structural insights reveal the specific recognition of roX RNA by the dsRNA-binding domains of the RNA helicase MLE and its indispensable role in dosage compensation in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 2019, 47, 3142-3157.	14.5	18
14	<i>Phytophthora</i> effector PSR1 hijacks the host pre-mRNA splicing machinery to modulate small RNA biogenesis and plant immunity. <i>Plant Cell</i> , 2022, 34, 3443-3459.	6.6	16
15	Conserved RNA cis-elements regulate alternative splicing of Lepidopteran <i>doublesex</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 44, 1-11.	2.7	12
16	Loss of the RNA trimethylguanosine cap is compatible with nuclear accumulation of spliceosomal snRNAs but not pre-mRNA splicing or snRNA processing during animal development. <i>PLoS Genetics</i> , 2020, 16, e1009098.	3.5	12
17	Multifunctional RNA Processing Protein SRm160 Induces Apoptosis and Regulates Eye and Genital Development in <i>Drosophila</i> . <i>Genetics</i> , 2014, 197, 1251-1265.	2.9	11
18	Prp5 <sup>Δ</sup> Spt8/Spt3 interaction mediates a reciprocal coupling between splicing and transcription. <i>Nucleic Acids Research</i> , 2020, 48, 5799-5813.	14.5	10

#	ARTICLE	IF	CITATIONS
19	Histological and Ultrastructural Studies on the Male Reproductive System and Spermatogenesis in the Red Claw Crayfish, <i>Cherax quadricarinatus</i> . <i>Journal of Crustacean Biology</i> , 2011, 31, 223-230.	0.8	9
20	Defective minor spliceosomes induce SMA-associated phenotypes through sensitive intron-containing neural genes in <i>Drosophila</i> . <i>Nature Communications</i> , 2020, 11, 5608.	12.8	8
21	An Alternatively Spliced Variant of METTL3 Mediates Tumor Suppression in Hepatocellular Carcinoma. <i>Genes</i> , 2022, 13, 669.	2.4	7
22	Comprehensive Identification and Alternative Splicing of Microexons in <i>Drosophila</i> . <i>Frontiers in Genetics</i> , 2021, 12, 642602.	2.3	5
23	HITS-CLIP reveals sex-differential RNA binding and alternative splicing regulation of SRm160 in <i>Drosophila</i> . <i>Journal of Molecular Cell Biology</i> , 2019, 11, 170-181.	3.3	3
24	Alternatively spliced BobCAL transcripts alter curd morphotypes in a collection of Chinese cauliflower accessions. <i>Horticulture Research</i> , 2020, 7, 160.	6.3	3
25	Two oppositely-charged sf3b1 mutations cause defective development, impaired immune response, and aberrant selection of intronic branch sites in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2021, 17, e1009861.	3.5	2