

Anireddy S N Reddy

List of Publications by Year in descending order

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54
papers

4,787
citations

172457

29
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175258

52
g-index

54
all docs

54
docs citations

54
times ranked

5581
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity of the Alternative Splicing Landscape in Plants. <i>Plant Cell</i> , 2013, 25, 3657-3683.	6.6	731
2	Coping with Stresses: Roles of Calcium- and Calcium/Calmodulin-Regulated Gene Expression. <i>Plant Cell</i> , 2011, 23, 2010-2032.	6.6	624
3	A survey of the sorghum transcriptome using single-molecule long reads. <i>Nature Communications</i> , 2016, 7, 11706.	12.8	496
4	Alternative Splicing of Pre-Messenger RNAs in Plants in the Genomic Era. <i>Annual Review of Plant Biology</i> , 2007, 58, 267-294.	18.7	465
5	Alternative Splicing and Protein Diversity: Plants Versus Animals. <i>Frontiers in Plant Science</i> , 2019, 10, 708.	3.6	136
6	Perspective on Alternative Splicing and Proteome Complexity in Plants. <i>Trends in Plant Science</i> , 2019, 24, 496-506.	8.8	129
7	Analysis of Transcriptome and Epitranscriptome in Plants Using PacBio Iso-Seq and Nanopore-Based Direct RNA Sequencing. <i>Frontiers in Genetics</i> , 2019, 10, 253.	2.3	127
8	Abiotic Stresses Modulate Landscape of Poplar Transcriptome via Alternative Splicing, Differential Intron Retention, and Isoform Ratio Switching. <i>Frontiers in Plant Science</i> , 2018, 9, 5.	3.6	122
9	Development of an in vitro pre-mRNA splicing assay using plant nuclear extract. <i>Plant Methods</i> , 2018, 14, 1.	4.3	121
10	Plant serine/arginine-rich proteins: roles in precursor messenger RNA splicing, plant development, and stress responses. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 875-889.	6.4	111
11	The Kinesin-like Calmodulin Binding Protein Is Differentially Involved in Cell Division. <i>Plant Cell</i> , 2000, 12, 979-990.	6.6	110
12	Transcriptome-Wide Identification of RNA Targets of Arabidopsis SERINE/ARGININE-RICH45 Uncovers the Unexpected Roles of This RNA Binding Protein in RNA Processing. <i>Plant Cell</i> , 2015, 27, 3294-3308.	6.6	107
13	Characterization of Microtubule Binding Domains in the Arabidopsis Kinesin-like Calmodulin Binding Protein. <i>Plant Cell</i> , 1998, 10, 957-965.	6.6	101
14	Plant serine/arginine-rich proteins and their role in pre-mRNA splicing. <i>Trends in Plant Science</i> , 2004, 9, 541-547.	8.8	97
15	Quantitative profiling of N6-methyladenosine at single-base resolution in stem-differentiating xylem of <i>Populus trichocarpa</i> using Nanopore direct RNA sequencing. <i>Genome Biology</i> , 2021, 22, 22.	8.8	88
16	Does co-transcriptional regulation of alternative splicing mediate plant stress responses?. <i>Nucleic Acids Research</i> , 2019, 47, 2716-2726.	14.5	86
17	Transcriptome Analysis of Drought-Resistant and Drought-Sensitive Sorghum (<i>Sorghum bicolor</i>) Genotypes in Response to PEG-Induced Drought Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 772.	4.1	79
18	Deciphering the Plant Splicing Code: Experimental and Computational Approaches for Predicting Alternative Splicing and Splicing Regulatory Elements. <i>Frontiers in Plant Science</i> , 2012, 3, 18.	3.6	78

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19	Organ-specific, developmental, hormonal and stress regulation of expression of putative pectate lyase genes in Arabidopsis. <i>New Phytologist</i> , 2007, 174, 537-550.	7.3	75
20	The Plant U1 Small Nuclear Ribonucleoprotein Particle 70K Protein Interacts with Two Novel Serine/Arginine-Rich Proteins. <i>Plant Cell</i> , 1998, 10, 1637-1647.	6.6	74
21	Localization and Dynamics of Nuclear Speckles in Plants. <i>Plant Physiology</i> , 2012, 158, 67-77.	4.8	74
22	Identification of an intronic splicing regulatory element involved in auto-regulation of alternative splicing of <i>SCL33</i> pre-mRNA. <i>Plant Journal</i> , 2012, 72, 935-946.	5.7	71
23	Exploring the relationship between intron retention and chromatin accessibility in plants. <i>BMC Genomics</i> , 2018, 19, 21.	2.8	61
24	Phytophthora Effectors Modulate Genome-wide Alternative Splicing of Host mRNAs to Reprogram Plant Immunity. <i>Molecular Plant</i> , 2020, 13, 1470-1484.	8.3	49
25	The Arabidopsis splicing regulator SR45 confers salt tolerance in a splice isoform-dependent manner. <i>Plant Molecular Biology</i> , 2019, 100, 379-390.	3.9	46
26	Stress-Induced Changes in Alternative Splicing Landscape in Rice: Functional Significance of Splice Isoforms in Stress Tolerance. <i>Biology</i> , 2021, 10, 309.	2.8	45
27	Global gene expression analysis using RNA-seq uncovered a new role for SR1/CAMTA3 transcription factor in salt stress. <i>Scientific Reports</i> , 2016, 6, 27021.	3.3	37
28	Isolation and Characterization of a Novel Calmodulin-binding Protein from Potato. <i>Journal of Biological Chemistry</i> , 2002, 277, 4206-4214.	3.4	36
29	Profiling of circular RNA N ⁶ -methyladenosine in moso bamboo (<i>Phyllostachys Tj ETQq1 1 0.784314 rgBT /Overlock</i> 1823-1838.	8.5	35
30	Serine/Arginine-rich protein family of splicing regulators: New approaches to study splice isoform functions. <i>Plant Science</i> , 2019, 283, 127-134.	3.6	27
31	Differential Recruitment of Splice Variants from SR Pre-mRNAs to Polysomes During Development and in Response to Stresses. <i>Plant and Cell Physiology</i> , 2015, 56, 421-427.	3.1	24
32	Wide-ranging transcriptome remodelling mediated by alternative polyadenylation in response to abiotic stresses in <i>Sorghum</i> . <i>Plant Journal</i> , 2020, 102, 916-930.	5.7	24
33	Multiplex CRISPR Mutagenesis of the Serine/Arginine-Rich (SR) Gene Family in Rice. <i>Genes</i> , 2019, 10, 596.	2.4	23
34	Alternative splicing dynamics and evolutionary divergence during embryogenesis in wheat species. <i>Plant Biotechnology Journal</i> , 2021, 19, 1624-1643.	8.3	23
35	Vascular Plant One-Zinc-Finger (VOZ) Transcription Factors Are Positive Regulators of Salt Tolerance in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3731.	4.1	21
36	A Ca ²⁺ /CaM-regulated transcriptional switch modulates stomatal development in response to water deficit. <i>Scientific Reports</i> , 2019, 9, 12282.	3.3	19

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37	Genome-Wide Identification of Splicing Quantitative Trait Loci (sQTLs) in Diverse Ecotypes of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1160.	3.6	19
38	Differential nucleosome occupancy modulates alternative splicing in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 229, 1937-1945.	7.3	19
39	An in-frame deletion mutation in the degron tail of auxin coreceptor <i>IAA2</i> confers resistance to the herbicide 2,4-D in <i>Sisymbrium orientale</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	19
40	A pollen-specific calmodulin-binding protein, NPG1, interacts with putative pectate lyases. <i>Scientific Reports</i> , 2014, 4, 5263.	3.3	18
41	The interplay between microRNA and alternative splicing of linear and circular RNAs in eleven plant species. <i>Bioinformatics</i> , 2019, 35, 3119-3126.	4.1	18
42	Drought induces epitranscriptome and proteome changes in stem-differentiating xylem of <i>Populus trichocarpa</i> . <i>Plant Physiology</i> , 2022, 190, 459-479.	4.8	18
43	Production of Phloroglucinol, a Platform Chemical, in <i>Arabidopsis</i> using a Bacterial Gene. <i>Scientific Reports</i> , 2016, 6, 38483.	3.3	17
44	The Landscape of RNA-Protein Interactions in Plants: Approaches and Current Status. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2845.	4.1	17
45	Genome-wide profiling of circular RNAs, alternative splicing, and R-loops in stem-differentiating xylem of <i>Populus trichocarpa</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1294-1308.	8.5	14
46	The Rice Serine/Arginine Splicing Factor RS33 Regulates Pre-mRNA Splicing during Abiotic Stress Responses. <i>Cells</i> , 2022, 11, 1796.	4.1	14
47	Decoding co-/post-transcriptional complexities of plant transcriptomes and epitranscriptome using next-generation sequencing technologies. <i>Biochemical Society Transactions</i> , 2020, 48, 2399-2414.	3.4	9
48	Overlapping roles of spliceosomal components SF3B1 and PHF5A in rice splicing regulation. <i>Communications Biology</i> , 2021, 4, 529.	4.4	8
49	Incorporation of gap characters and lineage-specific regions into phylogenetic analyses of gene families from divergent clades: an example from the kinesin superfamily across eukaryotes. <i>Cladistics</i> , 2008, 24, 372-384.	3.3	7
50	Salt-Induced Stability of <i>SR1/CAMTA3</i> mRNA Is Mediated by Reactive Oxygen Species and Requires the 3' End of Its Open Reading Frame. <i>Plant and Cell Physiology</i> , 2020, 61, 748-760.	3.1	7
51	RODAN: a fully convolutional architecture for basecalling nanopore RNA sequencing data. <i>BMC Bioinformatics</i> , 2022, 23, 142.	2.6	7
52	PSDX: A Comprehensive Multi-Omics Association Database of <i>Populus trichocarpa</i> With a Focus on the Secondary Growth in Response to Stresses. <i>Frontiers in Plant Science</i> , 2021, 12, 655565.	3.6	2
53	Analysis of Calcium/Calmodulin Regulation of a Plant Kinesin Using Co-Sedimentation and ATPase Assays. <i>Methods in Molecular Biology</i> , 2007, 392, 23-36.	0.9	2
54	<i>Arabidopsis</i> U1 snRNP 70K protein and its interacting proteins: nuclear localization and in vivo dynamics of a novel plant-specific serine/arginine-rich protein. <i>Symposia of the Society for Experimental Biology</i> , 2004, , 279-95.	0.0	0