

Andrew J Severin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,014
citations

430754

18
h-index

395590

33
g-index

37
all docs

37
docs citations

37
times ranked

4983
citing authors

#	ARTICLE	IF	CITATIONS
1	The Medicago genome provides insight into the evolution of rhizobial symbioses. <i>Nature</i> , 2011, 480, 520-524.	13.7	1,166
2	RNA-Seq Atlas of <i>Glycine max</i> : A guide to the soybean transcriptome. <i>BMC Plant Biology</i> , 2010, 10, 160.	1.6	634
3	Aquaculture genomics, genetics and breeding in the United States: current status, challenges, and priorities for future research. <i>BMC Genomics</i> , 2017, 18, 191.	1.2	155
4	Genome, transcriptome and methylome sequencing of a primitively eusocial wasp reveal a greatly reduced DNA methylation system in a social insect. <i>Molecular Ecology</i> , 2016, 25, 1769-1784.	2.0	148
5	CRISPR interference and priming varies with individual spacer sequences. <i>Nucleic Acids Research</i> , 2015, 43, 10831-10847.	6.5	95
6	CRISPR-Cas12a has widespread off-target and dsDNA-nicking effects. <i>Journal of Biological Chemistry</i> , 2020, 295, 5538-5553.	1.6	89
7	Transcriptome profiling of soybean (<i>Glycine max</i>) roots challenged with pathogenic and non-pathogenic isolates of <i>Fusarium oxysporum</i> . <i>BMC Genomics</i> , 2015, 16, 1089.	1.2	82
8	Response to Persistent ER Stress in Plants: A Multiphasic Process That Transitions Cells from Prosurvival Activities to Cell Death. <i>Plant Cell</i> , 2018, 30, 1220-1242.	3.1	67
9	Changes in Twelve Homoeologous Genomic Regions in Soybean following Three Rounds of Polyploidy. <i>Plant Cell</i> , 2011, 23, 3129-3136.	3.1	66
10	Identification of Candidate Genes Underlying an Iron Efficiency Quantitative Trait Locus in Soybean. <i>Plant Physiology</i> , 2012, 158, 1745-1754.	2.3	60
11	The genome of the soybean cyst nematode (<i>Heterodera glycines</i>) reveals complex patterns of duplications involved in the evolution of parasitism genes. <i>BMC Genomics</i> , 2019, 20, 119.	1.2	55
12	Transcriptomic responses to environmental temperature by turtles with temperature-dependent and genotypic sex determination assessed by RNAseq inform the genetic architecture of embryonic gonadal development. <i>PLoS ONE</i> , 2017, 12, e0172044.	1.1	50
13	An Integrative Approach to Genomic Introgression Mapping. <i>Plant Physiology</i> , 2010, 154, 3-12.	2.3	45
14	An Annotated Genome for <i>Haliotis rufescens</i> (Red Abalone) and Resequenced Green, Pink, Pinto, Black, and White Abalone Species. <i>Genome Biology and Evolution</i> , 2019, 11, 431-438.	1.1	41
15	Proline Isomerization Preorganizes the I κ B SH2 Domain for Binding to the I κ B SH3 Domain. <i>Journal of Molecular Biology</i> , 2009, 387, 726-743.	2.0	37
16	The In-Feed Antibiotic Carbadox Induces Phage Gene Transcription in the Swine Gut Microbiome. <i>MBio</i> , 2017, 8, .	1.8	37
17	A comparative analysis of methylome profiles of <i>Campylobacter jejuni</i> sheep abortion isolate and gastroenteric strains using PacBio data. <i>Frontiers in Microbiology</i> , 2014, 5, 782.	1.5	24
18	Gene expression patterns are correlated with genomic and genic structure in soybean. <i>Genome</i> , 2011, 54, 10-18.	0.9	23

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19	Sociality sculpts similar patterns of molecular evolution in two independently evolved lineages of eusocial bees. <i>Communications Biology</i> , 2021, 4, 253.	2.0	20
20	SH2-Dependent Autophosphorylation within the Tec Family Kinase Itk. <i>Journal of Molecular Biology</i> , 2009, 391, 164-177.	2.0	17
21	Transcriptional analysis of phloem-associated cells of potato. <i>BMC Genomics</i> , 2015, 16, 665.	1.2	14
22	The <i>thick aleurone1</i> Gene Encodes a NOT1 Subunit of the CCR4-NOT Complex and Regulates Cell Patterning in Endosperm. <i>Plant Physiology</i> , 2020, 184, 960-972.	2.3	13
23	Systematic <i>in vitro</i> specificity profiling reveals nicking defects in natural and engineered CRISPR-Cas9 variants. <i>Nucleic Acids Research</i> , 2021, 49, 4037-4053.	6.5	10
24	A chromosomal assembly of the soybean cyst nematode genome. <i>Molecular Ecology Resources</i> , 2021, 21, 2407-2422.	2.2	10
25	Murine Itk SH3 domain. <i>Journal of Biomolecular NMR</i> , 2008, 40, 285-290.	1.6	9
26	Microbiome analyses of pacific white shrimp (<i>Litopenaeus vannamei</i>) collected from disparate geographical locations. <i>Genomics Data</i> , 2015, 6, 67-69.	1.3	9
27	SCNBase: a genomics portal for the soybean cyst nematode (<i>Heterodera glycines</i>). <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	9
28	<i>Heterodera glycines</i> utilizes promiscuous spliced leaders and demonstrates a unique preference for a species-specific spliced leader over <i>C. elegans</i> SL1. <i>Scientific Reports</i> , 2019, 9, 1356.	1.6	5
29	Molecular and Cellular Characterization of a Zebrafish Optic Pathway Tumor Line Implicates Glia-Derived Progenitors in Tumorigenesis. <i>PLoS ONE</i> , 2014, 9, e114888.	1.1	5
30	Vascular Endothelial Growth Factor A and Leptin Expression Associated with Ectopic Proliferation and Retinal Dysplasia in Zebrafish Optic Pathway Tumors. <i>Zebrafish</i> , 2017, 14, 343-356.	0.5	3
31	A pseudomolecule assembly of the Rocky Mountain elk genome. <i>PLoS ONE</i> , 2021, 16, e0249899.	1.1	2
32	Methods for Genome-Wide Methylome Profiling of <i>Campylobacter jejuni</i> . <i>Methods in Molecular Biology</i> , 2017, 1512, 199-210.	0.4	1