C Stewart Gillmor

List of Publications by Year
in descending order

35 papers	2,483 citations	331670 21 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	3444 citing authors

#	Article	IF	Citations
1	Evolutionary divergence in embryo and seed coat development of Uâ€™s Triangle Brassica species illustrated by a spatiotemporal transcriptome atlas. New Phytologist, 2022, 233, 30-51.	7.3	16
2	Analysis of Global Gene Expression in Maize (Zea mays) Vegetative and Reproductive Tissues That Differ in Accumulation of Starch and Sucrose. Plants, 2022, 11, 238.	3.5	2
3	The pho1;2aâ€²â€m1.1 allele of Phosphate1 conditions misregulation of the phosphorus starvation response in maize (<scp> Zea mays ssp. mays </scp> L.). Plant Direct, 2022, 6, .	1.9	0
4	Developmental and genomic architecture of plant embryogenesis: from model plant to crops. Plant Communications, 2021, 2, 100136.	7.7	24
5	Identification of the maize Mediator CDK8 module and transposon-mediated mutagenesis of ZmMed12a. International Journal of Developmental Biology, 2021, 65, 383-394.	0.6	2
6	Alternative splicing dynamics and evolutionary divergence during embryogenesis in wheat species. Plant Biotechnology Journal, 2021, 19, 1624-1643.	8.3	23
7	Low nitrogen availability inhibits the phosphorus starvation response in maize (Zea mays ssp. mays L.). BMC Plant Biology, 2021, 21, 259.	3.6	16
8	EMS Mutagenesis of Arabidopsis Seeds. Methods in Molecular Biology, 2020, 2122, 15-23.	0.9	5
9	Genetic Screens to Target Embryo and Endosperm Pathways in Arabidopsis and Maize. Methods in Molecular Biology, 2020, 2122, 3-14.	0.9	1
10	The Transcriptional Landscape of Polyploid Wheats and Their Diploid Ancestors during Embryogenesis and Grain Development. Plant Cell, 2019, 31, 2888-2911.	6.6	57
11	An Introduction to Methods for Discovery and Functional Analysis of MicroRNAs in Plants. Methods in Molecular Biology, 2019, 1932, 1-14.	0.9	4
12	Auxin Response Factors promote organogenesis by chromatin-mediated repression of the pluripotency gene SHOOTMERISTEMLESS. Nature Communications, 2019, 10, 886.	12.8	72
13	Gene expression atlas of embryo development in Arabidopsis. Plant Reproduction, 2019, 32, 93-104.	2.2	15
14	Genetic, molecular and parent-of-origin regulation of early embryogenesis in flowering plants. Current Topics in Developmental Biology, 2019, 131, 497-543.	2.2	26
15	The Times They Are A-Changinâ€™: Heterochrony in Plant Development and Evolution. Frontiers in Plant Science, 2018, 9, 1349.	3.6	31
16	Convergent repression of miR156 by sugar and the CDK8 module of Arabidopsis Mediator. Developmental Biology, 2017, 423, 19-23.	2.0	21
17	Annotating and quantifying pri-miRNA transcripts using RNA-Seq data of wild type and serrate-1 globular stage embryos of Arabidopsis thaliana. Data in Brief, 2017, 15, 642-647.	1.0	12
18	Arabidopsis thaliana miRNAs promote embryo pattern formation beginning in the zygote. Developmental Biology, 2017, 431, 145-151.	2.0	47

#	Article	IF	Citations
19	A Genetic Screen for Mutations Affecting Cell Division in the Arabidopsis thaliana Embryo Identifies Seven Loci Required for Cytokinesis. PLoS ONE, 2016, 11, e0146492.	2.5	24
20	Mediator: A key regulator of plant development. Developmental Biology, 2016, 419, 7-18.	2.0	47
21	Zygotic genome activation in isogenic and hybrid plant embryos. Current Opinion in Plant Biology, 2016, 29, 148-153.	7.1	17
22	Zygotic genome activation and imprinting: parent-of-origin gene regulation in plant embryogenesis. Current Opinion in Plant Biology, 2015, 27, 29-35.	7.1	28
23	The Arabidopsis Mediator CDK8 module genes CCT (MED12) and GCT (MED13) are global regulators of developmental phase transitions. Development (Cambridge), 2014, 141, 4580-4589.	2.5	50
24	Non-equivalent contributions of maternal and paternal genomes to early plant embryogenesis. Nature, 2014, 514, 624-627.	27.8	88
25	Mutations in two nonâ€canonical Arabidopsis SWI2/SNF2 chromatin remodeling ATPases cause embryogenesis and stem cell maintenance defects. Plant Journal, 2012, 72, 1000-1014.	5.7	79
26	The MED12-MED13 module of Mediator regulates the timing of embryo patterning in Arabidopsis. Development (Cambridge), 2010, 137, 113-122.	2.5	107
27	The Maternal to Zygotic Transition in Animals and Plants. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 89-100.	1.1	104
28	Embryonic Patterning inArabidopsis thaliana. Annual Review of Cell and Developmental Biology, 2007, 23, 207-236.	9.4	163
29	Glycosylphosphatidylinositol-Anchored Proteins Are Required for Cell Wall Synthesis and Morphogenesis in Arabidopsis. Plant Cell, 2005, 17, 1128-1140.	6.6	132
30	Multiple Sampling in Single-Cell Enzyme Assays Using CE-Laser-Induced Fluorescence to Monitor Reaction Progress. Analytical Chemistry, 2005, 77, 3132-3137.	6.5	30
31	CHLOROPLAST BIOGENESIS Genes Act Cell and Noncell Autonomously in Early Chloroplast Development. Plant Physiology, 2004, 135, 471-482.	4.8	110
32	Î±-Glucosidase I is required for cellulose biosynthesis and morphogenesis in Arabidopsis. Journal of Cell Biology, 2002, 156, 1003-1013.	5.2	174
33	VACUOLELESS1 Is an Essential Gene Required for Vacuole Formation and Morphogenesis in Arabidopsis. Developmental Cell, 2001, 1, 303-310.	7.0	179
34	Positional Cloning in Arabidopsis. Why It Feels Good to Have a Genome Initiative Working for You1. Plant Physiology, 2000, 123, 795-806.	4.8	452
35	EMB30 is essential for normal cell division, cell expansion, and cell adhesion in Arabidopsis and encodes a protein that has similarity to Sec7. Cell, 1994, 77, 1051-1062.	28.9	324