Andrea Gallavotti

List of Publications by Year
in descending order

35	4,402	257450 24	377865 34
papers	citations	h-index	g-index

41	41	41	5184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cistrome and Epicistrome Features Shape the Regulatory DNA Landscape. Cell, 2016, 165, 1280-1292.	28.9	1,078
2	Mapping genome-wide transcription-factor binding sites using DAP-seq. Nature Protocols, 2017, 12, 1659-1672.	12.0	330
3	The role of barren stalk1 in the architecture of maize. Nature, 2004, 432, 630-635.	27.8	311
4	Widespread long-range cis-regulatory elements in the maize genome. Nature Plants, 2019, 5, 1237-1249.	9.3	250
5	sparse inflorescence1 encodes a monocot-specific YUCCA -like gene required for vegetative and reproductive development in maize. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15196-15201.	7.1	242
6	The Relationship between Auxin Transport and Maize Branching Â Â Â. Plant Physiology, 2008, 147, 1913-1923.	4.8	188
7	A cis-regulatory atlas in maize at single-cell resolution. Cell, 2021, 184, 3041-3055.e21.	28.9	176
8	The control of axillary meristem fate in the maizeramosapathway. Development (Cambridge), 2010, 137, 2849-2856.	2.5	157
9	The role of auxin in shaping shoot architecture. Journal of Experimental Botany, 2013, 64, 2593-2608.	4.8	154
10	The DNA binding landscape of the maize AUXIN RESPONSE FACTOR family. Nature Communications, 2018, 9, 4526.	12.8	146
11	Auxin signaling modules regulate maize inflorescence architecture. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13372-13377.	7.1	135
12	Studies ofaberrant phyllotaxy1Mutants of Maize Indicate Complex Interactions between Auxin and Cytokinin Signaling in the Shoot Apical Meristem Â Â. Plant Physiology, 2009, 150, 205-216.	4.8	124
13	Transport of Boron by thetassel-less1Aquaporin Is Critical for Vegetative and Reproductive Development in Maize Â Â. Plant Cell, 2014, 26, 2978-2995.	6.6	113
14	Auxin EvoDevo: Conservation and Diversification of Genes Regulating Auxin Biosynthesis, Transport, and Signaling. Molecular Plant, 2019, 12, 298-320.	8.3	103
15	The Boron Efflux Transporter ROTTEN EAR Is Required for Maize Inflorescence Development and Fertility Â Â. Plant Cell, 2014, 26, 2962-2977.	6.6	91
16	A novel class of Helitron- related transposable elements in maize contain portions of multiple pseudogenes. Plant Molecular Biology, 2005, 57, 115-127.	3.9	87
17	BARREN STALK FASTIGIATE1 Is an AT-Hook Protein Required for the Formation of Maize Ears Â. Plant Cell, 2011, 23, 1756-1771.	6.6	84
18	BARREN INFLORESCENCE2 Interaction with ZmPIN1a Suggests a Role in Auxin Transport During Maize Inflorescence Development. Plant and Cell Physiology, 2009, 50, 652-657.	3.1	67

#	Article	IF	Citations
19	Expanding the Regulatory Network for Meristem Size in Plants. Trends in Genetics, 2016, 32, 372-383.	6.7	54
20	RAMOSA1 ENHANCER LOCUS2-Mediated Transcriptional Repression Regulates Vegetative and Reproductive Architecture. Plant Physiology, 2019, 179, 348-363.	4.8	41
21	Necrotic upper tips1 mimics heat and drought stress and encodes a protoxylem-specific transcription factor in maize. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20908-20919.	7.1	33
22	Mechanisms of temperature-regulated growth and thermotolerance in crop species. Current Opinion in Plant Biology, 2022, 65, 102134.	7.1	33
23	Structural variation at the maize WUSCHEL1 locus alters stem cell organization in inflorescences. Nature Communications, 2021, 12, 2378.	12.8	28
24	The Combined Action of Duplicated Boron Transporters Is Required for Maize Growth in Boron-Deficient Conditions. Genetics, 2017, 206, 2041-2051.	2.9	25
25	NEEDLE1 encodes a mitochondria localized ATP-dependent metalloprotease required for thermotolerant maize growth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19736-19742.	7.1	25
26	Positional cloning in maize (Zea mays subsp. mays, Poaceae). Applications in Plant Sciences, 2015, 3, 1400092.	2.1	21
27	OsFD4 promotes the rice floral transition via florigen activation complex formation in the shoot apical meristem. New Phytologist, 2021, 229, 429-443.	7.3	21
28	The FUSED LEAVES1â€ADHERENT1 regulatory module is required for maize cuticle development and organ separation. New Phytologist, 2021, 229, 388-402.	7.3	17
29	VviNAC33 promotes organ deâ€greening and represses vegetative growth during the vegetativeâ€toâ€mature phase transition in grapevine. New Phytologist, 2021, 231, 726-746.	7.3	16
30	Auxin boosts energy generation pathways to fuel pollen maturation in barley. Current Biology, 2022, 32, 1798-1811.e8.	3.9	16
31	Mapping Regulatory Determinants in Plants. Frontiers in Genetics, 2020, 11, 591194.	2.3	15
32	A Synthetic Approach Allows Rapid Characterization of the Maize Nuclear Auxin Response Circuit. Plant Physiology, 2020, 182, 1713-1722.	4.8	13
33	Improving architectural traits of maize inflorescences. Molecular Breeding, 2021, 41, 1.	2.1	12
34	Two sides of the same coin. Nature Genetics, 2007, 39, 1425-1426.	21.4	0
35	Development of an informatics analytics workflow for DAP-seq data exploration and validation for auxin response factors in maize. , 2017, , .		0