Enrico Coen

List of Publications by Year
in descending order

49 papers	7,590 citations	109321 35 h-index	214800 47 g-index
58 all docs	58 docs citations	58 times ranked	5527 citing authors

#	Article	IF	Citations
1	Origin, loss, and regain of self-incompatibility in angiosperms. Plant Cell, 2022, 34, 579-596.	6.6	30
2	Engaging new audiences with imaging and microscopy. Development (Cambridge), 2021, 148, .	2.5	0
3	Evolution of the grass leaf by primordium extension and petiole-lamina remodeling. Science, 2021, 374, 1377-1381.	12.6	18
4	Evolution of carnivorous traps from planar leaves through simple shifts in gene expression. Science, 2020, 367, 91-96.	12.6	81
5	Intrinsic Cell Polarity Coupled to Growth Axis Formation in Tobacco BY-2 Cells. Current Biology, 2020, 30, 4999-5006.e3.	3.9	18
6	Interaction between Autonomous and Microtubule Guidance Systems Controls Cellulose Synthase Trajectories. Current Biology, 2020, 30, 941-947.e2.	3.9	64
7	Shaping of a three-dimensional carnivorous trap through modulation of a planar growth mechanism. PLoS Biology, 2019, 17, e3000427.	5.6	26
8	Genome structure and evolution of Antirrhinum majus L. Nature Plants, 2019, 5, 174-183.	9.3	85
9	Volumetric finite-element modelling of biological growth. Open Biology, 2019, 9, 190057.	3.6	15
10	Evolution or revolution? Changing the way science is published and communicated. PLoS Biology, 2019, 17, e3000272.	5.6	4
11	The storytelling arms race: origin of human intelligence and the scientific mind. Heredity, 2019, 123, 67-78.	2.6	4
12	Homo geneticus. Heredity, 2019, 123, 79-80.	2.6	0
13	Spatiotemporal coordination of cell division and growth during organ morphogenesis. PLoS Biology, 2018, 16, e2005952.	5.6	79
14	Selection and gene flow shape genomic islands that control floral guides. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11006-11011.	7.1	67
15	Early shaping of a leaf. Nature Plants, 2018, 4, 618-619.	9.3	8
16	Ectopic BASL Reveals Tissue Cell Polarity throughout Leaf Development in Arabidopsis thaliana. Current Biology, 2018, 28, 2638-2646.e4.	3.9	55
17	Growth and Development of Three-Dimensional PlantÂForm. Current Biology, 2017, 27, R910-R918.	3.9	49
18	On genes and form. Development (Cambridge), 2017, 144, 4203-4213.	2.5	39

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19	Evolution of flower color pattern through selection on regulatory small RNAs. Science, 2017, 358, 925-928.	12.6	48
20	Generation of shape complexity through tissue conflict resolution. ELife, 2017, 6, .	6.0	68
21	A predictive model of asymmetric morphogenesis from 3D reconstructions of mouse heart looping dynamics. ELife, 2017, 6, .	6.0	70
22	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. ELife, 2017, 6, .	6.0	46
23	Formation and Shaping of the Antirrhinum Flower through Modulation of the CUP Boundary Gene. Current Biology, 2017, 27, 2610-2622.e3.	3.9	38
24	Resolving Conflicts: Modeling Genetic Control of Plant Morphogenesis. Developmental Cell, 2016, 38, 579-583.	7.0	48
25	Ectopic <i>KNOX</i> Expression Affects Plant Development by Altering Tissue Cell Polarity and Identity. Plant Cell, 2016, 28, 2079-2096.	6.6	24
26	Formation of polarity convergences underlying shoot outgrowths. ELife, 2016, 5, .	6.0	51
27	An intracellular partitioning-based framework for tissue cell polarity in plants and animals. Development (Cambridge), 2013, 140, 2061-2074.	2.5	98
28	A subcellular tug of war involving three <scp>MYB</scp>â€like proteins underlies a molecular antagonism in <i><scp>A</scp>ntirrhinum</i> flower asymmetry. Plant Journal, 2013, 75, 527-538.	5.7	96
29	JAGGED Controls Arabidopsis Petal Growth and Shape by Interacting with a Divergent Polarity Field. PLoS Biology, 2013, 11, e1001550.	5.6	122
30	Generation of Leaf Shape Through Early Patterns of Growth and Tissue Polarity. Science, 2012, 335, 1092-1096.	12.6	209
31	Generation of Spatial Patterns Through Cell Polarity Switching. Science, 2011, 333, 1436-1440.	12.6	134
32	Generation of Diverse Biological Forms through Combinatorial Interactions between Tissue Polarity and Growth. PLoS Computational Biology, 2011, 7, e1002071.	3.2	116
33	Genetic Control of Organ Shape and Tissue Polarity. PLoS Biology, 2010, 8, e1000537.	5.6	105
34	Evolution of Allometry in<i>Antirrhinum</i>Â Â. Plant Cell, 2009, 21, 2999-3007.	6.6	50
35	Evolutionary Paths Underlying Flower Color Variation in Antirrhinum. Science, 2006, 313, 963-966.	12.6	153
36	Visualizing Plant Development and Gene Expression in Three Dimensions Using Optical Projection Tomography. Plant Cell, 2006, 18, 2145-2156.	6.6	127

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37	Floral asymmetry involves an interplay between TCP and MYB transcription factors in Antirrhinum. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5068-5073.	7.1	251
38	The genetics of geometry. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4728-4735.	7.1	252
39	Separation of genetic functions controlling organ identity in flowers. EMBO Journal, 2003, 22, 1058-1066.	7.8	126
40	Genetic Control of Surface Curvature. Science, 2003, 299, 1404-1407.	12.6	683
41	The gene fimbriata interacts non-cell autonomously with floral regulatory genes. Plant Journal, 2001, 25, 499-507.	5.7	9
42	The Expression of D-Cyclin Genes Defines Distinct Developmental Zones in Snapdragon Apical Meristems and Is Locally Regulated by the Cycloidea Gene. Plant Physiology, 2000, 122, 1137-1148.	4.8	185
43	The TCP domain: a motif found in proteins regulating plant growth and development. Plant Journal, 1999, 18, 215-222.	5.7	736
44	Control of Organ Asymmetry in Flowers of Antirrhinum. Cell, 1999, 99, 367-376.	28.9	421
45	Inflorescence Commitment and Architecture in Arabidopsis. Science, 1997, 275, 80-83.	12.6	804
46	Control of inflorescence architecture in Antirrhinum. Nature, 1996, 379, 791-797.	27.8	402
47	Origin of floral asymmetry in Antirrhinum. Nature, 1996, 383, 794-799.	27.8	762
48	Altered regulation of tomato and tobacco pigmentation genes caused by the delila gene of Antirrhinum. Plant Journal, 1995, 7, 333-339.	5.7	136
49	Complementary floral homeotic phenotypes result from opposite orientations of a transposon at the plena locus of antirrhinum. Cell, 1993, 72, 85-95.	28.9	530