## **Uell Grossniklaus**

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83 22,441 145 279 h-index g-index citations papers 6.91 10.2 309 25,993 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
279	Fast and flexible processing of large FRET image stacks using the FRET-IBRA toolkit <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1009242	5	
278	Sexual and Apogamous Species of Woodferns Show Different Protein and Phytohormone Profiles. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 718932	6.2	0
277	3D mechanical characterization of single cells and small organisms using acoustic manipulation and force microscopy. <i>Nature Communications</i> , <b>2021</b> , 12, 2583	17.4	17
276	Endosperm and Seed Transcriptomes Reveal Possible Roles for Small RNA Pathways in Wild Tomato Hybrid Seed Failure. <i>Genome Biology and Evolution</i> , <b>2021</b> , 13,	3.9	3
275	Organ geometry channels reproductive cell fate in the Arabidopsis ovule primordium. <i>ELife</i> , <b>2021</b> , 10,	8.9	9
274	The Polycomb group protein MEDEA controls cell proliferation and embryonic patterning in Arabidopsis. <i>Developmental Cell</i> , <b>2021</b> , 56, 1945-1960.e7	10.2	1
273	Epigenetics and Metabolism. <i>Learning Materials in Biosciences</i> , <b>2021</b> , 179-201	0.3	O
272	Cellular Memory. Learning Materials in Biosciences, 2021, 49-66	0.3	
271	Introduction to Epigenetics. Learning Materials in Biosciences, 2021,	0.3	2
270	Apomixis and genetic background affect distinct traits in Hieracium pilosella L. grown under competition. <i>BMC Biology</i> , <b>2021</b> , 19, 177	7.3	0
269	Mechanical factors contributing to the Venus flytrap's rate-dependent response to stimuli. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2021</b> , 20, 2287-2297	3.8	O
268	Genomic Imprinting. <i>Learning Materials in Biosciences</i> , <b>2021</b> , 91-115	0.3	0
267	Adaptive reduction of male gamete number in the selfing plant Arabidopsis thaliana. <i>Nature Communications</i> , <b>2020</b> , 11, 2885	17.4	9
266	Structural basis for recognition of RALF peptides by LRX proteins during pollen tube growth. Proceedings of the National Academy of Sciences of the United States of America, <b>2020</b> , 117, 7494-7503	11.5	34
265	A single touch can provide sufficient mechanical stimulation to trigger Venus flytrap closure. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000740	9.7	11
264	Dynamics of apomictic and sexual reproduction during primary succession on a glacier forefield in the Swiss Alps. <i>Scientific Reports</i> , <b>2020</b> , 10, 8269	4.9	5
263	Acute heat stress during stamen development affects both the germline and sporophytic lineages in Arabidopsis thaliana (L.) Heynh <i>Environmental and Experimental Botany</i> , <b>2020</b> , 173, 103992	5.9	4

# (2019-2020)

262	Differential gene expression profiling of one- and two-dimensional apogamous gametophytes of the fern Dryopteris affinis ssp. affinis. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 148, 302-311	5.4	6
261	Kinematics Governing Mechanotransduction in the Sensory Hair of the. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	3
260	Simultaneous measurement of turgor pressure and cell wall elasticity in growing pollen tubes. <i>Methods in Cell Biology</i> , <b>2020</b> , 160, 297-310	1.8	2
259	A pseudomolecule-scale genome assembly of the liverwort Marchantia polymorpha. <i>Plant Journal</i> , <b>2020</b> , 101, 1378-1396	6.9	10
258	Cell type-specific genome scans of DNA methylation divergence indicate an important role for transposable elements. <i>Genome Biology</i> , <b>2020</b> , 21, 172	18.3	2
257	Laser-Assisted Microdissection of Plant Embryos for Transcriptional Profiling. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2122, 127-139	1.4	1
256	Quantification of Mechanical Forces and Physiological Processes Involved in Pollen Tube Growth Using Microfluidics and Microrobotics. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2160, 275-292	1.4	2
255	A single touch can provide sufficient mechanical stimulation to trigger Venus flytrap closure <b>2020</b> , 18, e3000740		
254	A single touch can provide sufficient mechanical stimulation to trigger Venus flytrap closure <b>2020</b> , 18, e3000740		
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249	A single touch can provide sufficient mechanical stimulation to trigger Venus flytrap closure <b>2020</b> , 18, e3000740		
248	A single touch can provide sufficient mechanical stimulation to trigger Venus flytrap closure <b>2020</b> , 18, e3000740		
247	Haplotype-resolved genomes of geminivirus-resistant and geminivirus-susceptible African cassava cultivars. <i>BMC Biology</i> , <b>2019</b> , 17, 75	7.3	25
246	Invasive DNA elements modify the nuclear architecture of their insertion site by KNOT-linked silencing in Arabidopsis thaliana. <i>Genome Biology</i> , <b>2019</b> , 20, 120	18.3	16
245	The Genus as a Resource for Apomixis Research. Frontiers in Plant Science, 2019, 10, 392	6.2	8

244	The SMC5/6 Complex Subunit NSE4A Is Involved in DNA Damage Repair and Seed Development. <i>Plant Cell</i> , <b>2019</b> , 31, 1579-1597	11.6	20
243	Lab-on-a-Chip and Arrays: 3D Manipulation and Imaging of Plant Cells using Acoustically Activated Microbubbles (Small Methods 3/2019). <i>Small Methods</i> , <b>2019</b> , 3, 1970006	12.8	
242	3D Manipulation and Imaging of Plant Cells using Acoustically Activated Microbubbles. <i>Small Methods</i> , <b>2019</b> , 3, 1800527	12.8	23
241	Consistent Reanalysis of Genome-wide Imprinting Studies in Plants Using Generalized Linear Models Increases Concordance across Datasets. <i>Scientific Reports</i> , <b>2019</b> , 9, 1320	4.9	7
240	To preserve or to destroy, that is the question: the role of the cell wall integrity pathway in pollen tube growth. <i>Current Opinion in Plant Biology</i> , <b>2019</b> , 52, 131-139	9.9	11
239	Seeds-An evolutionary innovation underlying reproductive success in flowering plants. <i>Current Topics in Developmental Biology</i> , <b>2019</b> , 131, 605-642	5.3	14
238	A Microrobotic System for Simultaneous Measurement of Turgor Pressure and Cell-Wall Elasticity of Individual Growing Plant Cells. <i>IEEE Robotics and Automation Letters</i> , <b>2019</b> , 4, 641-646	4.2	6
237	Whole-mount Clearing and Staining of Arabidopsis Flower Organs and Siliques. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
236	The Gametophyte of Fern: Born to Reproduce <b>2018</b> , 3-19		1
235	Cell-Type Specific Chromatin Analysis in Whole-Mount Plant Tissues by Immunostaining. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1675, 443-454	1.4	7
234	Identification of Parent-of-Origin-Dependent QTLs Using Bulk-Segregant Sequencing (Bulk-Seq). <i>Methods in Molecular Biology</i> , <b>2018</b> , 1675, 361-371	1.4	1
233	Aberrant imprinting may underlie evolution of parthenogenesis. Scientific Reports, 2018, 8, 10626	4.9	9
232	Assembly of the Boechera retrofracta Genome and Evolutionary Analysis of Apomixis-Associated Genes. <i>Genes</i> , <b>2018</b> , 9,	4.2	14
231	Extensive epigenetic reprogramming during the life cycle of Marchantia polymorpha. <i>Genome Biology</i> , <b>2018</b> , 19, 9	18.3	37
230	Improved reference genome by single-molecule sequencing and chromosome conformation capture technologies. <i>Horticulture Research</i> , <b>2018</b> , 5, 50	7.7	125
229	Feeling the force: how pollen tubes deal with obstacles. <i>New Phytologist</i> , <b>2018</b> , 220, 187-195	9.8	18
228	LRX Proteins Play a Crucial Role in Pollen Grain and Pollen Tube Cell Wall Development. <i>Plant Physiology</i> , <b>2018</b> , 176, 1981-1992	6.6	43
227	Genomic Imprinting in Plants: A Predominantly Maternal Affair <b>2018</b> , 174-200		

226	Contribution of epigenetic variation to adaptation in Arabidopsis. <i>Nature Communications</i> , <b>2018</b> , 9, 444	617.4	67
225	Non-random chromosome arrangement in triploid endosperm nuclei. <i>Chromosoma</i> , <b>2017</b> , 126, 115-124	2.8	12
224	High precision, localized proton gradients and fluxes generated by a microelectrode device induce differential growth behaviors of pollen tubes. <i>Lab on A Chip</i> , <b>2017</b> , 17, 671-680	7.2	15
223	Chromosome conformation capture-based studies reveal novel features of plant nuclear architecture. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 36, 149-157	9.9	24
222	RETINOBLASTOMA RELATED1 mediates germline entry in. <i>Science</i> , <b>2017</b> , 356,	33.3	55
221	Insights into Land Plant Evolution Garnered from the Marchantia polymorpha Genome. <i>Cell</i> , <b>2017</b> , 171, 287-304.e15	56.2	538
220	Efficient preparation of Arabidopsis pollen tubes for ultrastructural analysis using chemical and cryo-fixation. <i>BMC Plant Biology</i> , <b>2017</b> , 17, 176	5.3	6
219	An Introduction to Male Germline Development. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1669, 3-15	1.4	2
218	RALF4/19 peptides interact with LRX proteins to control pollen tube growth in. <i>Science</i> , <b>2017</b> , 358, 1600	03136503	138
217	Chromatin Immunoprecipitation Protocol for Histone Modifications and Protein-DNA Binding Analyses in Arabidopsis. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1456, 1-13	1.4	2
216	Differentially Methylated Region-Representational Difference Analysis (DMR-RDA): A Powerful Method to Identify DMRs in Uncharacterized Genomes. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1456, 113-1	2 <sup>1</sup> 5 <sup>4</sup>	6
215	Chromatin Conformation Capture-Based Analysis of Nuclear Architecture. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1456, 15-32	1.4	5
214	Polyspermy produces tri-parental seeds in maize. <i>Current Biology</i> , <b>2017</b> , 27, R1300-R1302	6.3	22
213	Proteogenomic Analysis Greatly Expands the Identification of Proteins Related to Reproduction in the Apogamous Fern ssp <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 336	6.2	17
212	Measuring Cytomechanical Forces on Growing Pollen Tubes <b>2017</b> , 65-85		1
211	A subunit of the oligosaccharyltransferase complex is required for interspecific gametophyte recognition in Arabidopsis. <i>Nature Communications</i> , <b>2016</b> , 7, 10826	17.4	18
210	Dual-axis Cellular Force Microscope for mechanical characterization of living plant cells 2016,		7
209	Probing the micromechanics of the fastest growing plant cell - the pollen tube. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 461-464	0.9	4

208	Starch Turnover and Metabolism during Flower and Early Embryo Development. <i>Plant Physiology</i> , <b>2016</b> , 172, 2388-2402	6.6	31
207	Laser-assisted Microdissection (LAM) as a Tool for Transcriptional Profiling of Individual Cell Types. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	7
206	Marchantia MpRKD Regulates the Gametophyte-Sporophyte Transition by Keeping Egg Cells Quiescent in the Absence of Fertilization. <i>Current Biology</i> , <b>2016</b> , 26, 1782-1789	6.3	62
205	Maybe she's NOT the boss: male-female crosstalk during sexual plant reproduction. <i>Genome Biology</i> , <b>2016</b> , 17, 96	18.3	4
204	Amino Acid Change in an Orchid Desaturase Enables Mimicry of the Pollinator's Sex Pheromone. <i>Current Biology</i> , <b>2016</b> , 26, 1505-11	6.3	22
203	Apomixis Allows the Transgenerational Fixation of Phenotypes in Hybrid Plants. <i>Current Biology</i> , <b>2016</b> , 26, 331-7	6.3	31
202	Characterization of size-dependent mechanical properties of tip-growing cells using a lab-on-chip device. <i>Lab on A Chip</i> , <b>2016</b> , 17, 82-90	7.2	25
201	Massively Parallelized Pollen Tube Guidance and Mechanical Measurements on a Lab-on-a-Chip Platform. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168138	3.7	28
200	Quantitative Genetics Identifies Cryptic Genetic Variation Involved in the Paternal Regulation of Seed Development. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005806	6	16
199	Seed Production Affects Maternal Growth and Senescence in Arabidopsis. <i>Plant Physiology</i> , <b>2016</b> , 171, 392-404	6.6	24
198	Genomic Imprinting in the Endosperm Is Systematically Perturbed in Abortive Hybrid Tomato Seeds. <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 2935-2946	8.3	47
197	Genome-Wide Targets Regulated by the OsMADS1 Transcription Factor Reveals Its DNA Recognition Properties. <i>Plant Physiology</i> , <b>2016</b> , 172, 372-88	6.6	20
196	Plant germline formation: common concepts and developmental flexibility in sexual and asexual reproduction. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 229-41	6.6	108
195	TURAN and EVAN mediate pollen tube reception in Arabidopsis Synergids through protein glycosylation. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002139	9.7	43
194	Real-time automated characterization of 3D morphology and mechanics of developing plant cells. <i>International Journal of Robotics Research</i> , <b>2015</b> , 34, 1136-1146	5.7	24
193	Parental age affects somatic mutation rates in the progeny of flowering plants. <i>Plant Physiology</i> , <b>2015</b> , 168, 247-57	6.6	9
192	The Maternal-to-Zygotic Transition in Flowering Plants: Evidence, Mechanisms, and Plasticity. <i>Current Topics in Developmental Biology</i> , <b>2015</b> , 113, 351-71	5.3	18
191	Receptor-like cytoplasmic kinase MARIS functions downstream of CrRLK1L-dependent signaling during tip growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12211-6	11.5	67

### (2013-2015)

190	Functional analysis of related CrRLK1L receptor-like kinases in pollen tube reception. <i>EMBO Reports</i> , <b>2015</b> , 16, 107-15	6.5	60
189	Rcount: simple and flexible RNA-Seq read counting. <i>Bioinformatics</i> , <b>2015</b> , 31, 436-7	7.2	24
188	HiCdat: a fast and easy-to-use Hi-C data analysis tool. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 277	3.6	36
187	Measuring the Mechanical Properties of Plant Cell Walls. <i>Plants</i> , <b>2015</b> , 4, 167-82	4.5	40
186	The female gametophyte: an emerging model for cell type-specific systems biology in plant development. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 907	6.2	29
185	A dynamic architecture of life. <i>F1000Research</i> , <b>2015</b> , 4, 1288	3.6	4
184	Selection-driven evolution of sex-biased genes is consistent with sexual selection in Arabidopsis thaliana. <i>Molecular Biology and Evolution</i> , <b>2014</b> , 31, 574-83	8.3	40
183	Transcriptional silencing by polycomb-group proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6, a019331	10.2	163
182	Hi-C analysis in Arabidopsis identifies the KNOT, a structure with similarities to the flamenco locus of Drosophila. <i>Molecular Cell</i> , <b>2014</b> , 55, 678-93	17.6	190
181	Patterning of the angiosperm female gametophyte through the prism of theoretical paradigms. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 332-9	5.1	5
180	Different yet similar: evolution of imprinting in flowering plants and mammals. <i>F1000prime Reports</i> , <b>2014</b> , 6, 63		33
179	High-throughput analysis of the morphology and mechanics of tip growing cells using a microrobotic platform <b>2014</b> ,		1
178	Hybridization alters spontaneous mutation rates in a parent-of-origin-dependent fashion in Arabidopsis. <i>Plant Physiology</i> , <b>2014</b> , 165, 424-37	6.6	14
177	Apomictic and sexual germline development differ with respect to cell cycle, transcriptional, hormonal and epigenetic regulation. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004476	6	49
176	A calcium dialog mediated by the FERONIA signal transduction pathway controls plant sperm delivery. <i>Developmental Cell</i> , <b>2014</b> , 29, 491-500	10.2	133
175	Sexual Hieracium pilosella plants are better inter-specific, while apomictic plants are better intra-specific competitors. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2014</b> , 16, 43-51	3	5
174	Laser-assisted microdissection applied to floral tissues. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1110, 329-	44 <u>1.4</u>	8
173	The differentially regulated genes TvQR1 and TvPirin of the parasitic plant Triphysaria exhibit distinctive natural allelic diversity. <i>BMC Plant Biology</i> , <b>2013</b> , 13, 28	5.3	9

172	The Polycomb group protein MEDEA and the DNA methyltransferase MET1 interact to repress autonomous endosperm development in Arabidopsis. <i>Plant Journal</i> , <b>2013</b> , 73, 776-87	6.9	38
171	Theoretical and experimental evidence indicates that there is no detectable auxin gradient in the angiosperm female gametophyte. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 4544-53	6.6	52
170	Transgenerational epigenetic inheritance: how important is it?. <i>Nature Reviews Genetics</i> , <b>2013</b> , 14, 228-	3 <b>5</b> 0.1	216
169	Parental contributions to the transcriptome of early plant embryos. <i>Current Opinion in Genetics and Development</i> , <b>2013</b> , 23, 72-4	4.9	15
168	Cell-specific expression profiling of rare cell types as exemplified by its impact on our understanding of female gametophyte development. <i>Current Opinion in Plant Biology</i> , <b>2013</b> , 16, 41-9	9.9	10
167	Examining female meiocytes of maize by confocal microscopy. <i>Methods in Molecular Biology</i> , <b>2013</b> , 990, 45-52	1.4	
166	TAF13 interacts with PRC2 members and is essential for Arabidopsis seed development. <i>Developmental Biology</i> , <b>2013</b> , 379, 28-37	3.1	14
165	Efficient and rapid isolation of early-stage embryos from Arabidopsis thaliana seeds. <i>Journal of Visualized Experiments</i> , <b>2013</b> ,	1.6	10
164	The pollen tube: a soft shell with a hard core. <i>Plant Journal</i> , <b>2013</b> , 73, 617-27	6.9	93
163	ANXUR receptor-like kinases coordinate cell wall integrity with growth at the pollen tube tip via NADPH oxidases. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001719	9.7	181
162	Genomic imprinting in the Arabidopsis embryo is partly regulated by PRC2. PLoS Genetics, 2013, 9, e100	3862	54
161	Transcriptome and proteome data reveal candidate genes for pollinator attraction in sexually deceptive orchids. <i>PLoS ONE</i> , <b>2013</b> , 8, e64621	3.7	37
160	Characterization of chromosomal architecture in Arabidopsis by chromosome conformation capture. <i>Genome Biology</i> , <b>2013</b> , 14, R129	18.3	64
159	Analysis of plant germline development by high-throughput RNA profiling: technical advances and new insights. <i>Plant Journal</i> , <b>2012</b> , 70, 18-29	6.9	36
158	Characterization of the phosphoproteome of mature Arabidopsis pollen. <i>Plant Journal</i> , <b>2012</b> , 72, 89-10	16.9	65
157	SNP-Ratio Mapping (SRM): identifying lethal alleles and mutations in complex genetic backgrounds by next-generation sequencing. <i>Genetics</i> , <b>2012</b> , 191, 1381-6	4	39
156	Dynamic regulation of Polycomb group activity during plant development. <i>Current Opinion in Plant Biology</i> , <b>2012</b> , 15, 523-9	9.9	70
155	How to fine-tune an epigenetic switch. <i>Developmental Cell</i> , <b>2012</b> , 23, 453-4	10.2	1

## (2011-2012)

154	Epigenetic variation, inheritance, and selection in plant populations. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2012</b> , 77, 97-104	3.9	63
153	Molecular characterization of the glauce mutant: a central cell-specific function is required for double fertilization in Arabidopsis. <i>Plant Cell</i> , <b>2012</b> , 24, 3264-77	11.6	20
152	Natural enemies drive geographic variation in plant defenses. <i>Science</i> , <b>2012</b> , 338, 116-9	33.3	207
151	Computational analysis and characterization of UCE-like elements (ULEs) in plant genomes. <i>Genome Research</i> , <b>2012</b> , 22, 2455-66	9.7	23
150	Atypical DNA methylation of genes encoding cysteine-rich peptides in Arabidopsis thaliana. <i>BMC Plant Biology</i> , <b>2012</b> , 12, 51	5.3	20
149	Egg cell-secreted EC1 triggers sperm cell activation during double fertilization. <i>Science</i> , <b>2012</b> , 338, 1093	3 <b>-3</b> 3.3	216
148	Cytoplasmic Ca2+ changes dynamically during the interaction of the pollen tube with synergid cells. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 4202-9	6.6	68
147	CrRLK1L receptor-like kinases: not just another brick in the wall. <i>Current Opinion in Plant Biology</i> , <b>2012</b> , 15, 659-69	9.9	145
146	A powerful method for transcriptional profiling of specific cell types in eukaryotes: laser-assisted microdissection and RNA sequencing. <i>PLoS ONE</i> , <b>2012</b> , 7, e29685	3.7	88
145	The HUPO initiative on Model Organism Proteomes, iMOP. <i>Proteomics</i> , <b>2012</b> , 12, 340-5	4.8	8
145 144	The HUPO initiative on Model Organism Proteomes, iMOP. <i>Proteomics</i> , <b>2012</b> , 12, 340-5  Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50	4.8	
	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis	12.6	
144	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50	12.6	36
144	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50  The genetic basis of pollinator adaptation in a sexually deceptive orchid. <i>PLoS Genetics</i> , <b>2012</b> , 8, e10028  The protein expression landscape of the Arabidopsis root. <i>Proceedings of the National Academy of</i>	12.6 389	36 36 115
144 143 142	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50  The genetic basis of pollinator adaptation in a sexually deceptive orchid. <i>PLoS Genetics</i> , <b>2012</b> , 8, e10028  The protein expression landscape of the Arabidopsis root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6811-8  The Armadillo repeat gene ZAK IXIK promotes Arabidopsis early embryo and endosperm	12.6 389 11.5	36 36 115
144 143 142	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50  The genetic basis of pollinator adaptation in a sexually deceptive orchid. <i>PLoS Genetics</i> , <b>2012</b> , 8, e10028  The protein expression landscape of the Arabidopsis root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6811-8  The Armadillo repeat gene ZAK IXIK promotes Arabidopsis early embryo and endosperm development through a distinctive gametophytic maternal effect. <i>Plant Cell</i> , <b>2012</b> , 24, 4026-43	12.6 389 11.5	36 36 115 15
144 143 142 141 140	Identification of a DNA methylation-independent imprinting control region at the Arabidopsis MEDEA locus. <i>Genes and Development</i> , <b>2012</b> , 26, 1837-50  The genetic basis of pollinator adaptation in a sexually deceptive orchid. <i>PLoS Genetics</i> , <b>2012</b> , 8, e10028  The protein expression landscape of the Arabidopsis root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6811-8  The Armadillo repeat gene ZAK IXIK promotes Arabidopsis early embryo and endosperm development through a distinctive gametophytic maternal effect. <i>Plant Cell</i> , <b>2012</b> , 24, 4026-43  Tackling drought stress: receptor-like kinases present new approaches. <i>Plant Cell</i> , <b>2012</b> , 24, 2262-78  Maternal epigenetic pathways control parental contributions to Arabidopsis early embryogenesis.	12.6 389 11.5 11.6	36 36 115 15

136	Members of the RKD transcription factor family induce an egg cell-like gene expression program. <i>Plant Journal</i> , <b>2011</b> , 67, 280-91	6.9	79
135	Female gametophytic mutants of Arabidopsis thaliana identified in a gene trap insertional mutagenesis screen. <i>International Journal of Developmental Biology</i> , <b>2011</b> , 55, 73-84	1.9	11
134	The Arabidopsis CUL4-DDB1 complex interacts with MSI1 and is required to maintain MEDEA parental imprinting. <i>EMBO Journal</i> , <b>2011</b> , 30, 731-43	13	59
133	Selected aspects of transgenerational epigenetic inheritance and resetting in plants. <i>Current Opinion in Plant Biology</i> , <b>2011</b> , 14, 195-203	9.9	148
132	She's the boss: signaling in pollen tube reception. Current Opinion in Plant Biology, 2011, 14, 622-7	9.9	76
131	Quantifying growth mechanics of living, growing plant cells in situ using microrobotics. <i>Micro and Nano Letters</i> , <b>2011</b> , 6, 311	0.9	28
130	Plant germline development: a tale of cross-talk, signaling, and cellular interactions. <i>Sexual Plant Reproduction</i> , <b>2011</b> , 24, 91-5		31
129	Identification of imprinted genes subject to parent-of-origin specific expression in Arabidopsis thaliana seeds. <i>BMC Plant Biology</i> , <b>2011</b> , 11, 113	5.3	42
128	The walls have ears: the role of plant CrRLK1Ls in sensing and transducing extracellular signals. Journal of Experimental Botany, <b>2011</b> , 62, 1581-91	7	114
127	Stearoyl-acyl carrier protein desaturases are associated with floral isolation in sexually deceptive orchids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 5696	5 <del>-7</del> 051	72
126	Female gametophytic cell specification and seed development require the function of the putative Arabidopsis INCENP ortholog WYRD. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 3409-20	6.6	26
125	Transcriptome analysis of the Arabidopsis megaspore mother cell uncovers the importance of RNA helicases for plant germline development. <i>PLoS Biology</i> , <b>2011</b> , 9, e1001155	9.7	93
124	Embryo and endosperm inherit distinct chromatin and transcriptional states from the female gametes in Arabidopsis. <i>Plant Cell</i> , <b>2010</b> , 22, 307-20	11.6	133
123	VERDANDI is a direct target of the MADS domain ovule identity complex and affects embryo sac differentiation in Arabidopsis. <i>Plant Cell</i> , <b>2010</b> , 22, 1702-15	11.6	75
122	Adaptation and extinction in experimentally fragmented landscapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19120-5	11.5	41
121	TRAUCO, a Trithorax-group gene homologue, is required for early embryogenesis in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 1215-24	7	10
120	Dosage-sensitive function of retinoblastoma related and convergent epigenetic control are required during the Arabidopsis life cycle. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000988	6	41
119	Conserved molecular components for pollen tube reception and fungal invasion. <i>Science</i> , <b>2010</b> , 330, 968	B3B13	290

#### (2007-2010)

118	PAMP (pathogen-associated molecular pattern)-induced changes in plasma membrane compartmentalization reveal novel components of plant immunity. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 39140-9	5.4	220
117	Arabidopsis female gametophyte gene expression map reveals similarities between plant and animal gametes. <i>Current Biology</i> , <b>2010</b> , 20, 506-12	6.3	255
116	Model organismsA historical perspective. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 2054-63	3.9	53
115	Chromatin immunoprecipitation protocol for histone modifications and protein-DNA binding analyses in Arabidopsis. <i>Methods in Molecular Biology</i> , <b>2010</b> , 631, 209-20	1.4	2
114	Plant science. Paternal patterning cue. <i>Science</i> , <b>2009</b> , 323, 1439-40	33.3	4
113	Deterministic protein inference for shotgun proteomics data provides new insights into Arabidopsis pollen development and function. <i>Genome Research</i> , <b>2009</b> , 19, 1786-800	9.7	135
112	Disruption of the pollen-expressed FERONIA homologs ANXUR1 and ANXUR2 triggers pollen tube discharge. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 3279-88	6.6	220
111	Intronic regulatory elements determine the divergent expression patterns of AGAMOUS-LIKE6 subfamily members in Arabidopsis. <i>Plant Journal</i> , <b>2009</b> , 59, 987-1000	6.9	61
110	The Maize Megagametophyte <b>2009</b> , 79-104		12
109	CLO/GFA1 and ATO are novel regulators of gametic cell fate in plants. <i>Plant Journal</i> , <b>2008</b> , 56, 913-21	6.9	100
108	A dynamic reciprocal RBR-PRC2 regulatory circuit controls Arabidopsis gametophyte development. <i>Current Biology</i> , <b>2008</b> , 18, 1680-6	6.3	87
107	The maternal to zygotic transition in animals and plants. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2008</b> , 73, 89-100	3.9	85
106	The MADS domain protein DIANA acts together with AGAMOUS-LIKE80 to specify the central cell in Arabidopsis ovules. <i>Plant Cell</i> , <b>2008</b> , 20, 2088-101	11.6	97
105	Genomic origin and organization of the allopolyploid Primula egaliksensis investigated by in situ hybridization. <i>Annals of Botany</i> , <b>2008</b> , 101, 919-27	4.1	25
104	ARABIDOPSIS TRITHORAX1 dynamically regulates FLOWERING LOCUS C activation via histone 3 lysine 4 trimethylation. <i>Plant Cell</i> , <b>2008</b> , 20, 580-8	11.6	199
104		11.6	199 53
	lysine 4 trimethylation. <i>Plant Cell</i> , <b>2008</b> , 20, 580-8  Molecular control of autonomous embryo and endosperm development. <i>Sexual Plant Reproduction</i> ,	33.3	

100	Transposon excision from an atypical site: a mechanism of evolution of novel transposable elements. <i>PLoS ONE</i> , <b>2007</b> , 2, e965	3.7	3
99	Positive darwinian selection at the imprinted MEDEA locus in plants. <i>Nature</i> , <b>2007</b> , 448, 349-52	50.4	124
98	Genomic imprinting, methylation and molecular evolution of maize Enhancer of zeste (Mez) homologs. <i>Plant Journal</i> , <b>2007</b> , 49, 325-37	6.9	86
97	Polycomb group and trithorax group proteins in Arabidopsis. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2007</b> , 1769, 375-82		146
96	The triploid endosperm genome of Arabidopsis adopts a peculiar, parental-dosage-dependent chromatin organization. <i>Plant Cell</i> , <b>2007</b> , 19, 1782-94	11.6	68
95	The central cell plays a critical role in pollen tube guidance in Arabidopsis. <i>Plant Cell</i> , <b>2007</b> , 19, 3563-77	11.6	136
94	Genome-wide high-resolution mapping of exosome substrates reveals hidden features in the Arabidopsis transcriptome. <i>Cell</i> , <b>2007</b> , 131, 1340-53	56.2	258
93	Chromatin modification and remodeling during early seed development. <i>Current Opinion in Genetics and Development</i> , <b>2007</b> , 17, 473-9	4.9	46
92	Genetic subtraction profiling identifies genes essential for Arabidopsis reproduction and reveals interaction between the female gametophyte and the maternal sporophyte. <i>Genome Biology</i> , <b>2007</b> , 8, R204	18.3	113
91	Arabidopsis GLAUCE promotes fertilization-independent endosperm development and expression of paternally inherited alleles. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 4107-17	6.6	35
90	The FERONIA receptor-like kinase mediates male-female interactions during pollen tube reception. <i>Science</i> , <b>2007</b> , 317, 656-60	33.3	464
89	Characterization of the three Arabidopsis thaliana RAD21 cohesins reveals differential responses to ionizing radiation. <i>Journal of Experimental Botany</i> , <b>2006</b> , 57, 971-83	7	34
88	A versatile and reliable two-component system for tissue-specific gene induction in Arabidopsis. <i>Plant Physiology</i> , <b>2006</b> , 141, 1194-204	6.6	92
87	Regulation of Arabidopsis tapetum development and function by DYSFUNCTIONAL TAPETUM1 (DYT1) encoding a putative bHLH transcription factor. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 3085-95	6.6	314
86	Dynamic regulatory interactions of Polycomb group genes: MEDEA autoregulation is required for imprinted gene expression in Arabidopsis. <i>Genes and Development</i> , <b>2006</b> , 20, 1081-6	12.6	117
85	The first high-resolution DNA "methylome". <i>Cell</i> , <b>2006</b> , 126, 1025-8	56.2	27
84	Thale Cress (Arabidopsis thaliana) Genome <b>2006</b> ,		1
83	A Bsister MADS-box gene involved in ovule and seed development in petunia and Arabidopsis. <i>Plant Journal</i> , <b>2006</b> , 47, 934-46	6.9	91

### (2004-2006)

82	Different Polycomb group complexes regulate common target genes in Arabidopsis. <i>EMBO Reports</i> , <b>2006</b> , 7, 947-52	6.5	218
81	Seed development and genomic imprinting in plants. <i>Progress in Molecular and Subcellular Biology</i> , <b>2005</b> , 38, 237-62	3	21
80	Be more specific! Laser-assisted microdissection of plant cells. <i>Trends in Plant Science</i> , <b>2005</b> , 10, 397-406	513.1	117
79	Confocal microscopy of whole ovules for analysis of reproductive development: the elongate1 mutant affects meiosis II. <i>Plant Journal</i> , <b>2005</b> , 43, 309-20	6.9	54
78	Arabidopsis CUL3A and CUL3B genes are essential for normal embryogenesis. <i>Plant Journal</i> , <b>2005</b> , 43, 437-48	6.9	49
77	Cellular efflux of auxin catalyzed by the Arabidopsis MDR/PGP transporter AtPGP1. <i>Plant Journal</i> , <b>2005</b> , 44, 179-94	6.9	429
76	The Arabidopsis thaliana MEDEA Polycomb group protein controls expression of PHERES1 by parental imprinting. <i>Nature Genetics</i> , <b>2005</b> , 37, 28-30	36.3	226
75	The RPN1 subunit of the 26S proteasome in Arabidopsis is essential for embryogenesis. <i>Plant Cell</i> , <b>2005</b> , 17, 2723-37	11.6	62
74	An egg apparatus-specific enhancer of Arabidopsis, identified by enhancer detection. <i>Plant Physiology</i> , <b>2005</b> , 139, 1421-32	6.6	31
73	CHR11, a chromatin-remodeling factor essential for nuclear proliferation during female gametogenesis in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 17231-6	11.5	76
72	Identification of new members of Fertilisation Independent Seed Polycomb Group pathway involved in the control of seed development in Arabidopsis thaliana. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 2971-81	6.6	169
71	SETH1 and SETH2, two components of the glycosylphosphatidylinositol anchor biosynthetic pathway, are required for pollen germination and tube growth in Arabidopsis. <i>Plant Cell</i> , <b>2004</b> , 16, 229-4	4 <del>0</del> 1.6	150
70	Transcriptional programs of early reproductive stages in Arabidopsis. <i>Plant Physiology</i> , <b>2004</b> , 135, 1765-	<b>765</b> 6	110
69	Evolutionary ecology of the prezygotic stage. <i>Science</i> , <b>2004</b> , 303, 971-5	33.3	138
68	Analysis of transposon insertion mutants highlights the diversity of mechanisms underlying male progamic development in Arabidopsis. <i>Genetics</i> , <b>2004</b> , 167, 1975-86	4	78
67	Intrachromosomal excision of a hybrid Ds element induces large genomic deletions in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 2969-74	11.5	34
66	Apomixis technology development-virgin births in farmers' fields?. <i>Nature Biotechnology</i> , <b>2004</b> , 22, 687-	<b>94</b> 4.5	123
65	Epigenetic control of plant development: new layers of complexity. <i>Current Opinion in Plant Biology</i> , <b>2004</b> , 7, 11-9	9.9	49

64	Nuclear fusions contribute to polyploidization of the gigantic nuclei in the chalazal endosperm of Arabidopsis. <i>Planta</i> , <b>2004</b> , 220, 38-46	4.7	17
63	Genetic interaction of an origin recognition complex subunit and the Polycomb group gene MEDEA during seed development. <i>Plant Cell</i> , <b>2004</b> , 16, 1035-46	11.6	46
62	Pattern formation during early ovule development in Arabidopsis thaliana. <i>Developmental Biology</i> , <b>2004</b> , 273, 321-34	3.1	109
61	Transposons and tandem repeats are not involved in the control of genomic imprinting at the MEDEA locus in Arabidopsis. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2004</b> , 69, 465-75	3.9	28
60	halfman, an Arabidopsis male gametophytic mutant associated with a 150 kb chromosomal deletion adjacent to an introduced Ds transposable element. <i>Sexual Plant Reproduction</i> , <b>2003</b> , 16, 99-10.	02	15
59	ATX-1, an Arabidopsis homolog of trithorax, activates flower homeotic genes. <i>Current Biology</i> , <b>2003</b> , 13, 627-37	6.3	220
58	Plant genetics: a decade of integration. <i>Nature Genetics</i> , <b>2003</b> , 33 Suppl, 294-304	36.3	31
57	Apomixis: a developmental perspective. Annual Review of Plant Biology, 2003, 54, 547-74	30.7	314
56	Arabidopsis MSI1 is a component of the MEA/FIE Polycomb group complex and required for seed development. <i>EMBO Journal</i> , <b>2003</b> , 22, 4804-14	13	322
55	Diverse functions of Polycomb group proteins during plant development. <i>Seminars in Cell and Developmental Biology</i> , <b>2003</b> , 14, 77-84	7.5	37
54	The Arabidopsis mutant feronia disrupts the female gametophytic control of pollen tube reception. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 2149-59	6.6	302
53	Unveiling the gene-expression profile of pollen. <i>Genome Biology</i> , <b>2003</b> , 5, 205	18.3	29
52	A gateway cloning vector set for high-throughput functional analysis of genes in planta. <i>Plant Physiology</i> , <b>2003</b> , 133, 462-9	6.6	1966
51	The Polycomb-group protein MEDEA regulates seed development by controlling expression of the MADS-box gene PHERES1. <i>Genes and Development</i> , <b>2003</b> , 17, 1540-53	12.6	316
50	Engineering of Apomixis in Crop Plants: What Can We Learn from Sexual Model Systems? 2003, 309-31	4	5
49	Epigenetics: the flowers that come in from the cold. <i>Current Biology</i> , <b>2002</b> , 12, R129-31	6.3	15
48	Epigenetic inheritance of expression states in plant development: the role of Polycomb group proteins. <i>Current Opinion in Cell Biology</i> , <b>2002</b> , 14, 773-9	9	55
47	The art and design of genetic screens: Arabidopsis thaliana. <i>Nature Reviews Genetics</i> , <b>2002</b> , 3, 124-36	30.1	159

46	Genomic imprinting during seed development. Advances in Genetics, 2002, 46, 165-214	3.3	60
45	SHORT INTEGUMENTS1/SUSPENSOR1/CARPEL FACTORY, a Dicer homolog, is a maternal effect gene required for embryo development in Arabidopsis. <i>Plant Physiology</i> , <b>2002</b> , 130, 808-22	6.6	155
44	Evolutionary origins of the endosperm in flowering plants. <i>Genome Biology</i> , <b>2002</b> , 3, reviews1026	18.3	85
43	Parent-of-Origin Effects and Seed Development 2002,		1
42	APO2001: A Sexy Apomixer in Como. Plant Cell, <b>2001</b> , 13, 1480	11.6	
41	The Arabidopsis Somatic Embryogenesis Receptor Kinase 1 Gene Is Expressed in Developing Ovules and Embryos and Enhances Embryogenic Competence in Culture. <i>Plant Physiology</i> , <b>2001</b> , 127, 803-816	6.6	48
40	Apomixis in agriculture: the quest for clonal seeds. Sexual Plant Reproduction, 2001, 14, 179-87		77
39	Early paternal gene activity in Arabidopsis. <i>Nature</i> , <b>2001</b> , 414, 710-710	50.4	11
38	Developmental genetics of gametophytic apomixis. <i>Trends in Genetics</i> , <b>2001</b> , 17, 597-604	8.5	134
37	Genomic imprinting and seed development: endosperm formation with and without sex. <i>Current Opinion in Plant Biology</i> , <b>2001</b> , 4, 21-7	9.9	110
36	LAF1, a MYB transcription activator for phytochrome A signaling. <i>Genes and Development</i> , <b>2001</b> , 15, 26 <sup>2</sup>	13-25	128
35	How to avoid sex: the genetic control of gametophytic apomixis. <i>Plant Cell</i> , <b>2001</b> , 13, 1491-8	11.6	87
34	How to Avoid Sex: The Genetic Control of Gametophytic Apomixis. <i>Plant Cell</i> , <b>2001</b> , 13, 1491	11.6	8
33	The Arabidopsis Somatic Embryogenesis Receptor Kinase 1 Gene Is Expressed in Developing Ovules and Embryos and Enhances Embryogenic Competence in Culture. <i>Plant Physiology</i> , <b>2001</b> , 127, 803-816	6.6	502
32	Arabidopsis genes essential for seedling viability: isolation of insertional mutants and molecular cloning. <i>Genetics</i> , <b>2001</b> , 159, 1765-78	4	110
31	Delayed activation of the paternal genome during seed development. <i>Nature</i> , <b>2000</b> , 404, 91-4	50.4	265
30	Plant biology: Paper alert. Current Opinion in Plant Biology, <b>2000</b> , 3, 1-9	9.9	2
29	Interaction of the Arabidopsis polycomb group proteins FIE and MEA mediates their common phenotypes. <i>Current Biology</i> , <b>2000</b> , 10, 1535-8	6.3	125

28	FIDDLEHEAD, a gene required to suppress epidermal cell interactions in Arabidopsis, encodes a putative lipid biosynthetic enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 1311-6	11.5	233
27	Genomic imprinting in plants. Results and Problems in Cell Differentiation, 1999, 25, 23-40	1.4	29
26	Maintenance of genomic imprinting at the Arabidopsis medea locus requires zygotic DDM1 activity. <i>Genes and Development</i> , <b>1999</b> , 13, 2971-82	12.6	282
25	Altering sexual development inArabidopsis <b>1998</b> , 41, 73-81		3
24	response: Parental conflict and infanticide during embryogenesis. <i>Trends in Plant Science</i> , <b>1998</b> , 3, 328	13.1	19
23	A bright future for apomixis. <i>Trends in Plant Science</i> , <b>1998</b> , 3, 415-416	13.1	46
22	The molecular and genetic basis of ovule and megagametophyte development. <i>Seminars in Cell and Developmental Biology</i> , <b>1998</b> , 9, 227-38	7.5	166
21	Maternal control of embryogenesis by MEDEA, a polycomb group gene in Arabidopsis. <i>Science</i> , <b>1998</b> , 280, 446-50	33.3	720
20	Selection of T-DNA-tagged male and female gametophytic mutants by segregation distortion in Arabidopsis. <i>Genetics</i> , <b>1998</b> , 149, 621-31	4	172
19	Nonlinear enzyme kinetics can lead to high metabolic flux control coefficients: implications for the evolution of dominance. <i>Journal of Theoretical Biology</i> , <b>1996</b> , 182, 299-302	2.3	17
18	Developmental regulation of expression and activity of multiple forms of the Drosophila RAC protein kinase. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 4066-75	5.4	45
17	Localized expression of sloppy paired protein maintains the polarity of Drosophila parasegments. <i>Genes and Development</i> , <b>1994</b> , 8, 899-913	12.6	111
16	Functional redundancy: the respective roles of the two sloppy paired genes in Drosophila segmentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 6324-8	11.5	73
15	Developmentally regulated Drosophila gene family encoding the fork head domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 8754-8	11.5	114
14	The Drosophila sloppy paired locus encodes two proteins involved in segmentation that show homology to mammalian transcription factors. <i>Genes and Development</i> , <b>1992</b> , 6, 1030-51	12.6	202
13	P-element-mediated enhancer detection: an efficient method for isolating and characterizing developmentally regulated genes in Drosophila. <i>Genes and Development</i> , <b>1989</b> , 3, 1301-13	12.6	345
12	P-element-mediated enhancer detection: a versatile method to study development in Drosophila. <i>Genes and Development</i> , <b>1989</b> , 3, 1288-300	12.6	567
11	Activation of the U2 snRNA promoter by the octamer motif defines a new class of RNA polymerase II enhancer elements. <i>Genes and Development</i> , <b>1988</b> , 2, 1764-78	12.6	155

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