Nir Ohad

List of Publications by Year
in descending order

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Version: 2024-02-01

43 papers	4,724 citations	218677 26 h-index	276875 41 g-index
48 all docs	48 docs citations	48 times ranked	4914 citing authors

#	Article	IF	Citations
1	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. Science, 2017, 357, 93-97.	12.6	781
2	Mutations in FIE, a WD Polycomb Group Gene, Allow Endosperm Development without Fertilization. Plant Cell, 1999, 11, 407-415.	6.6	407
3	A mutation that allows endosperm development without fertilization.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5319-5324.	7.1	374
4	Detection of proteinâ€“protein interactions in plants using bimolecular fluorescence complementation. Plant Journal, 2004, 40, 419-427.	5.7	364
5	Control of fertilization-independent endosperm development by the MEDEA polycomb gene in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4186-4191.	7.1	331
6	Maintenance of DNA Methylation during the Arabidopsis Life Cycle Is Essential for Parental Imprinting. Plant Cell, 2006, 18, 1360-1372.	6.6	264
7	The BELL1 gene encodes a homeodomain protein involved in pattern formation in the Arabidopsis ovule primordium. Cell, 1995, 83, 735-742.	28.9	245
8	Mutations in the FIE and MEA Genes That Encode Interacting Polycomb Proteins Cause Parent-of-Origin Effects on Seed Development by Distinct Mechanisms. Plant Cell, 2000, 12, 2367-2381.	6.6	231
9	FIE and CURLY LEAF polycomb proteins interact in the regulation of homeobox gene expression during sporophyte development. Plant Journal, 2004, 37, 707-719.	5.7	229
10	Retinoblastoma and Its Binding Partner MSI1 Control Imprinting in Arabidopsis. PLoS Biology, 2008, 6, e194.	5.6	220
11	Polycomb Group Complexes Self-Regulate Imprinting of the Polycomb Group Gene MEDEA in Arabidopsis. Current Biology, 2006, 16, 486-492.	3.9	194
12	Regulation of stem cell maintenance by the Polycomb protein FIE has been conserved during land plant evolution. Development (Cambridge), 2009, 136, 2433-2444.	2.5	133
13	A single homeobox gene triggers phase transition, embryogenesis and asexual reproduction. Nature Plants, 2016, 2, 15209.	9.3	116
14	The Analysis of Protein-Protein Interactions in Plants by Bimolecular Fluorescence Complementation. Plant Physiology, 2007, 145, 1090-1099.	4.8	104
15	Arabidopsis immunophilins ROF1 (AtFKBP62) and ROF2 (AtFKBP65) exhibit tissue specificity, are heat-stress induced, and bind HSP90. Plant Molecular Biology, 2007, 63, 237-255.	3.9	79
16	From flour to flower: how Polycomb group proteins influence multiple aspects of plant development. Trends in Plant Science, 2003, 8, 439-445.	8.8	68
17	Polycomb-group mediated epigenetic mechanisms through plant evolution. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 395-406.	1.9	49
18	Different Domains Control the Localization and Mobility of LIKE HETEROCHROMATIN PROTEIN1 in Arabidopsis Nuclei. Plant Cell, 2005, 18, 133-145.	6.6	48

#	Article	IF	Citations
19	A single CMT methyltransferase homolog is involved in CHG DNA methylation and development of Physcomitrella patens. Plant Molecular Biology, 2014, 84, 719-735.	3.9	46
20	RdDM-independent de novo and heterochromatin DNA methylation by plant CMT and DNMT3 orthologs. Nature Communications, 2019, 10, 1613.	12.8	46
21	DNA METHYLTRANSFERASE 1 is involved in mCG and mCCG DNA methylation and is essential for sporophyte development in Physcomitrella patens. Plant Molecular Biology, 2015, 88, 387-400.	3.9	45
22	Amino Acid Substitutions in the D1 Protein of Photosystem II Affect QB-Stabilization and Accelerate Turnover of D1. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1990, 45, 402-407.	1.4	41
23	Interaction Between Methyl CpG-Binding Protein and Ran GTPase during Cell Division in Tobacco Cultured Cells. Annals of Botany, 2006, 98, 1179-1187.	2.9	35
24	Isolation and Characterization of Herbicide Resistant Mutants in the Cyanobacterium Synechococcus R2. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1987, 42, 758-761.	1.4	32
25	A similar structure of the herbicide binding site in photosystem II of plants and cyanobacteria is demonstrated by site specific mutagenesis of the psbA gene. Photosynthesis Research, 1990, 23, 73-79.	2.9	32
26	Predicted effects on herbicide binding of amino acid substitutions in the D1 protein of photosystem II. FEBS Letters, 1989, 243, 161-164.	2.8	26
27	Utilizing Bimolecular Fluorescence Complementation (BiFC) to Assay Proteinâ€“Protein Interaction in Plants. Methods in Molecular Biology, 2010, 655, 347-358.	0.9	25
28	Mutations Resistant to Photosystem II Herbicides. , 1987, , 357-366.		23
29	DNA methylation mutants in Physcomitrella patens elucidate individual roles of CG and non-CG methylation in genome regulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33700-33710.	7.1	21
30	Binding affinity of bicarbonate and formate in herbicide-resistant D1 mutants of Synechococcus sp. PCC 7942. Photosynthesis Research, 1992, 34, 397-408.	2.9	20
31	Mutations in the D1 Subunit of Photosystem II Distinguish between Quinone and Herbicide Binding Sites. Plant Cell, 1992, 4, 273.	6.6	18
32	The Polycomb group protein CLF emerges as a specific tri-methylase of H3K27 regulating gene expression and development in Physcomitrella patens. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 860-870.	1.9	17
33	FIE, a nuclear PRC2 protein, forms cytoplasmic complexes inArabidopsis thaliana. Journal of Experimental Botany, 2016, 67, 6111-6123.	4.8	16
34	The Chloroplast-Encoded Type of Herbicide Resistance is a Recessive Trait in Cyanobacteria. , 1987, , 811-814.		8
35	Circall: fast and accurate methodology for discovery of circular RNAs from paired-end RNA-sequencing data. BMC Bioinformatics, 2021, 22, 495.	2.6	8
36	Parental conflict overcome. Nature, 2007, 447, 275-276.	27.8	5

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37	Isolation and Characterization of Herbicide Resistant Mutants in the Cyanobacterium Synechococcus R2. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1987, 42, 758-761.	1.4	2
38	Mutations in the FIE and MEA Genes That Encode Interacting Polycomb Proteins Cause Parent-of-Origin Effects on Seed Development by Distinct Mechanisms. Plant Cell, 2000, 12, 2367.	6.6	2
39	Plant Epigenetics: A Historical Perspective. Signaling and Communication in Plants, 2013, , 1-19.	0.7	2
40	Less fit Lamium amplexicaule plants produce more dispersible seeds. Scientific Reports, 2019, 9, 6299.	3.3	2
41	Accelerated Rate of Turnover of the D1 Subunit of Photosystem II is Correlated with Inhibition of Electron Transfer From QA to QB in Cyanobacterial Mutants. , 1992, , 589-596.		2
42	Mutations in the QB-Binding Niche in the D1 Subunit of Photosystem II Impair Electron Transport From QA to QB. , 1992, , 597-602.		2
43	Additivity in the Contribution to Herbicide Binding of Amino Acid Residues in the D1 Protein of Photosystem II. , 1990, , 2547-2550.		0