

M Koornneef

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11784285/m-koornneef-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

111
papers

15,698
citations

59
h-index

111
g-index

111
ext. papers

17,050
ext. citations

6.9
avg, IF

6
L-index

#	Paper	IF	Citations
111	My favourite flowering image. <i>Journal of Experimental Botany</i> , 2013 , 64, 5801-3	7	
110	Arabidopsis semidwarfs evolved from independent mutations in GA20ox1, ortholog to green revolution dwarf alleles in rice and barley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15818-23	11.5	59
109	Seed maturation in Arabidopsis thaliana is characterized by nuclear size reduction and increased chromatin condensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20219-24	11.5	107
108	Analysis of natural allelic variation in Arabidopsis using a multiparent recombinant inbred line population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4488-93	11.5	122
107	Natural variation for seed dormancy in Arabidopsis is regulated by additive genetic and molecular pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4264-9	11.5	152
106	Regulatory network construction in Arabidopsis by using genome-wide gene expression quantitative trait loci. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1708-13	11.5	269
105	Genetic basis for natural variation in seed vitamin E levels in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18834-41	11.5	61
104	Vacuolar invertase regulates elongation of Arabidopsis thaliana roots as revealed by QTL and mutant analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2994-9	11.5	149
103	Cloning of DOG1, a quantitative trait locus controlling seed dormancy in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17042-7	11.5	413
102	Gene function beyond the single trait: natural variation, gene effects, and evolutionary ecology in Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2005 , 28, 2-20	8.4	92
101	Natural variation and QTL analysis for cationic mineral content in seeds of Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2004 , 27, 828-839	8.4	137
100	Pleiotropic effects of the Arabidopsis cryptochrome 2 allelic variation underlie fruit trait-related QTL. <i>Plant Biology</i> , 2004 , 6, 370-4	3.7	24
99	The genetics of phytate and phosphate accumulation in seeds and leaves of Arabidopsis thaliana, using natural variation. <i>Theoretical and Applied Genetics</i> , 2003 , 106, 1234-43	6	119
98	Genetic dissection of blue-light sensing in tomato using mutants deficient in cryptochrome 1 and phytochromes A, B1 and B2. <i>Plant Journal</i> , 2001 , 25, 427-40	6.9	68
97	A QTL for flowering time in Arabidopsis reveals a novel allele of CRY2. <i>Nature Genetics</i> , 2001 , 29, 435-40	36.3	335
96	Changing paradigms in plant breeding. <i>Plant Physiology</i> , 2001 , 125, 156-9	6.6	44
95	The TRANSPARENT TESTA12 gene of Arabidopsis encodes a multidrug secondary transporter-like protein required for flavonoid sequestration in vacuoles of the seed coat endothelium. <i>Plant Cell</i> , 2001 , 13, 853-71	11.6	424

94	Sequential steps for developmental arrest in Arabidopsis seeds. <i>Development (Cambridge)</i> , 2001 , 128, 243-252	6.6	176
93	Sequential steps for developmental arrest in Arabidopsis seeds. <i>Development (Cambridge)</i> , 2001 , 128, 243-52	6.6	87
92	Physiological interactions of phytochromes A, B1 and B2 in the control of development in tomato. <i>Plant Journal</i> , 2000 , 24, 345-56	6.9	71
91	The Arabidopsis aldehyde oxidase 3 (AAO3) gene product catalyzes the final step in abscisic acid biosynthesis in leaves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 12908-13	11.5	306
90	Genetic analysis of seed-soluble oligosaccharides in relation to seed storability of Arabidopsis. <i>Plant Physiology</i> , 2000 , 124, 1595-604	6.6	163
89	Gibberellin requirement for Arabidopsis seed germination is determined both by testa characteristics and embryonic abscisic acid. <i>Plant Physiology</i> , 2000 , 122, 415-24	6.6	310
88	The late flowering phenotype of <i>fwa</i> mutants is caused by gain-of-function epigenetic alleles of a homeodomain gene. <i>Molecular Cell</i> , 2000 , 6, 791-802	17.6	460
87	Naturally occurring variation in Arabidopsis: an underexploited resource for plant genetics. <i>Trends in Plant Science</i> , 2000 , 5, 22-9	13.1	356
86	Influence of the testa on seed dormancy, germination, and longevity in Arabidopsis. <i>Plant Physiology</i> , 2000 , 122, 403-14	6.6	603
85	ANTHOCYANINLESS2, a homeobox gene affecting anthocyanin distribution and root development in Arabidopsis. <i>Plant Cell</i> , 1999 , 11, 1217-26	11.6	185
84	Natural allelic variation at seed size loci in relation to other life history traits of Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4710-7	11.5	229
83	Characterisation of the procerca mutant of tomato and the interaction of gibberellins with end-of-day far-red light treatments. <i>Physiologia Plantarum</i> , 1999 , 106, 121-128	4.6	27
82	The BANYULS gene encodes a DFR-like protein and is a marker of early seed coat development. <i>Plant Journal</i> , 1999 , 19, 387-98	6.9	200
81	Natural allelic variation identifies new genes in the Arabidopsis circadian system. <i>Plant Journal</i> , 1999 , 20, 67-77	6.9	158
80	Importance of the B2 domain of the Arabidopsis ABI3 protein for Em and 2S albumin gene regulation. <i>Plant Molecular Biology</i> , 1999 , 40, 1045-54	4.6	56
79	Three QTLs from <i>Lycopersicon peruvianum</i> confer a high level of resistance to <i>Clavibacter michiganensis</i> ssp. <i>michiganensis</i> . <i>Theoretical and Applied Genetics</i> , 1999 , 99, 1068-1074	6	55
78	The early-flowering mutant <i>efs</i> is involved in the autonomous promotion pathway of Arabidopsis thaliana. <i>Development (Cambridge)</i> , 1999 , 126, 4763-4770	6.6	55
77	Paracentromeric sequences on tomato chromosome 6 show homology to human satellite III and to the mammalian CENP-B binding box. <i>Molecular Genetics and Genomics</i> , 1998 , 259, 190-7		6

76	Development of an AFLP based linkage map of Ler, Col and Cvi <i>Arabidopsis thaliana</i> ecotypes and construction of a Ler/Cvi recombinant inbred line population. <i>Plant Journal</i> , 1998 , 14, 259-71	6.9	293
75	Properties of proteins and the glassy matrix in maturation-defective mutant seeds of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1998 , 16, 133-43	6.9	53
74	<i>Arabidopsis thaliana</i> : a model plant for genome analysis. <i>Science</i> , 1998 , 282, 662, 679-82	33.3	297
73	Genetic analysis. <i>Methods in Molecular Biology</i> , 1998 , 82, 105-17	1.4	7
72	Analysis of natural allelic variation at flowering time loci in the Landsberg erecta and Cape Verde Islands ecotypes of <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 1998 , 149, 749-64	4	187
71	Genetic interactions among late-flowering mutants of <i>Arabidopsis</i> . <i>Genetics</i> , 1998 , 148, 885-92	4	182
70	Biochemical characterization of the <i>aba2</i> and <i>aba3</i> mutants in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 1997 , 114, 161-6	6.6	213
69	Physiological characterization of exaggerated-photoresponse mutants of tomato. <i>Journal of Plant Physiology</i> , 1997 , 150, 578-587	3.6	28
68	QTL analysis of seed dormancy in <i>Arabidopsis</i> using recombinant inbred lines and MQM mapping. <i>Heredity</i> , 1997 , 79 (Pt 2), 190-200	3.6	106
67	Phytochrome Control of Anthocyanin Biosynthesis in Tomato Seedlings: Analysis Using Photomorphogenic Mutants. <i>Photochemistry and Photobiology</i> , 1997 , 65, 374-381	3.6	40
66	Plant development: timing when to flower. <i>Current Biology</i> , 1997 , 7, R651-2	6.3	6
65	The mapping of phytochrome genes and photomorphogenic mutants of tomato. <i>Theoretical and Applied Genetics</i> , 1997 , 94, 115-22	6	47
64	Molecular mapping around the centromere of tomato chromosome 6 using irradiation-induced deletions. <i>Theoretical and Applied Genetics</i> , 1997 , 95, 969-974	6	15
63	Photomorphogenic mutants of tomato. <i>Plant, Cell and Environment</i> , 1997 , 20, 746-751	8.4	82
62	Floral transition mutants in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 1997 , 20, 779-784	8.4	20
61	Genetic approaches in plant physiology. <i>New Phytologist</i> , 1997 , 137, 1-8	9.8	60
60	Isolation and characterization of abscisic acid-deficient <i>Arabidopsis</i> mutants at two new loci. <i>Plant Journal</i> , 1996 , 10, 655-61	6.9	393
59	Molecular analysis of tri-mutant alleles in tomato indicates the Tri locus is the gene encoding the apoprotein of phytochrome B1. <i>Planta</i> , 1996 , 199, 152-157	4.7	28

58	Tomato chromosome 6: a high resolution map of the long arm and construction of a composite integrated marker-order map. <i>Theoretical and Applied Genetics</i> , 1996 , 92, 1065-72	6	25
57	Arabidopsis mutants with a reduced seed dormancy. <i>Plant Physiology</i> , 1996 , 110, 233-40	6.6	124
56	Tomato chromosome 6: effect of alien chromosomal segments on recombinant frequencies. <i>Genome</i> , 1996 , 39, 485-91	2.4	50
55	Tomato chromosome 6: a high resolution map of the long arm and construction of a composite integrated marker-order map 1996 , 92, 1065		7
54	Analysis of Arabidopsis mutants deficient in flavonoid biosynthesis. <i>Plant Journal</i> , 1995 , 8, 659-71	6.9	457
53	A genetic analysis of a tomato (<i>Lycopersicon esculentum</i>) genotype with a high frequency of twin spots. <i>Theoretical and Applied Genetics</i> , 1995 , 91, 1162-6	6	3
52	Far-red light-insensitive, phytochrome A-deficient mutants of tomato. <i>Molecular Genetics and Genomics</i> , 1995 , 246, 133-41		94
51	A Temporarily Red Light-Insensitive Mutant of Tomato Lacks a Light-Stable, B-Like Phytochrome. <i>Plant Physiology</i> , 1995 , 108, 939-947	6.6	70
50	Asymmetric somatic hybridization between tomato (<i>Lycopersicon esculentum</i> Mill) and gamma-irradiated potato (<i>Solanum tuberosum</i> L.): a quantitative analysis. <i>Theoretical and Applied Genetics</i> , 1994 , 87, 713-20	6	16
49	Mitotic and meiotic irregularities in somatic hybrids of <i>Lycopersicon esculentum</i> and <i>Solanum tuberosum</i> . <i>Genome</i> , 1994 , 37, 726-35	2.4	44
48	A Seed Shape Mutant of Arabidopsis That Is Affected in Integument Development. <i>Plant Cell</i> , 1994 , 6, 385-392	11.6	142
47	Phytochrome B and at Least One Other Phytochrome Mediate the Accelerated Flowering Response of <i>Arabidopsis thaliana</i> L. to Low Red/Far-Red Ratio. <i>Plant Physiology</i> , 1994 , 104, 1311-1315	6.6	170
46	Acquisition of Desiccation Tolerance and Longevity in Seeds of <i>Arabidopsis thaliana</i> (A Comparative Study Using Abscisic Acid-Insensitive <i>abi3</i> Mutants). <i>Plant Physiology</i> , 1993 , 102, 1185-1191	6.6	266
45	Isolation of a new paramutagenic allele of the <i>thesulfurea</i> locus in the tomato cultivar MoneyMaker following in vitro culture. <i>Theoretical and Applied Genetics</i> , 1993 , 87, 289-94	6	11
44	Allotriploid somatic hybrids of diploid tomato (<i>Lycopersicon esculentum</i> Mill.) and monoploid potato (<i>Solanum tuberosum</i> L.). <i>Theoretical and Applied Genetics</i> , 1993 , 87, 328-36	6	17
43	Integration of the classical and molecular linkage maps of tomato chromosome 6. <i>Genetics</i> , 1993 , 135, 1175-86	4	33
42	The root-knot nematode resistance gene (<i>Mi</i>) in tomato: construction of a molecular linkage map and identification of dominant cDNA markers in resistant genotypes. <i>Plant Journal</i> , 1992 , 2, 971-82	6.9	49
41	Photomorphogenetic mutants of higher plants. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1992 , 54-64		2

40	RFLP markers linked to the root knot nematode resistance gene Mi in tomato. <i>Theoretical and Applied Genetics</i> , 1991 , 81, 661-7	6	89
39	A genetic and physiological analysis of late flowering mutants in <i>Arabidopsis thaliana</i> . <i>Molecular Genetics and Genomics</i> , 1991 , 229, 57-66		792
38	Isolation of higher plant developmental mutants. <i>Symposia of the Society for Experimental Biology</i> , 1991 , 45, 1-19		5
37	The Physiology of Photomorphogenetic Tomato Mutants 1991 , 237-247		6
36	The Significance of Mutants in Phytochrome Research 1991 , 437-443		
35	Role of Endogenous Gibberellins During Fruit and Seed Development 1991 , 179-187		2
34	Accumulation of C19-gibberellins in the gibberellin-insensitive dwarf mutant gai of <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Planta</i> , 1990 , 182, 501-5	4-7	99
33	Restriction fragment length polymorphism analysis of somatic hybrids between <i>Lycopersicon esculentum</i> and irradiated <i>L. peruvianum</i> : evidence for limited donor genome elimination and extensive chromosome rearrangements. <i>Molecular Genetics and Genomics</i> , 1990 , 222, 270-7		50
32	Somaclonal variation in tomato: effect of explant source and a comparison with chemical mutagenesis. <i>Theoretical and Applied Genetics</i> , 1990 , 80, 817-25	6	75
31	The isolation and characterization of gibberellin-deficient mutants in tomato. <i>Theoretical and Applied Genetics</i> , 1990 , 80, 852-7	6	95
30	Asymmetric somatic hybrids between <i>Lycopersicon esculentum</i> and irradiated <i>Lycopersicon peruvianum</i> : 2. Analysis with marker genes. <i>Theoretical and Applied Genetics</i> , 1990 , 80, 665-72	6	36
29	Asymmetric somatic hybrids between <i>Lycopersicon esculentum</i> and irradiated <i>Lycopersicon peruvianum</i> : 1. Cytogenetics and morphology. <i>Theoretical and Applied Genetics</i> , 1990 , 80, 305-12	6	29
28	Endogenous gibberellins in <i>Arabidopsis thaliana</i> and possible steps blocked in the biosynthetic pathways of the semidwarf ga4 and ga5 mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 7983-7	11.5	195
27	Selection and characterization of somatic hybrids between <i>Lycopersicon esculentum</i> and <i>Lycopersicon peruvianum</i> . <i>Plant Science</i> , 1990 , 70, 197-208	5.3	25
26	The Benefit of Biosynthesis and Response Mutants to the Study of the Role of Abscisic Acid in Plants 1990 , 23-31		3
25	Partial Genome Transfer in Interspecific Tomato Hybrids. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1990 , 280-285		
24	In Vivo Inhibition of Seed Development and Reserve Protein Accumulation in Recombinants of Abscisic Acid Biosynthesis and Responsiveness Mutants in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 1989 , 90, 463-9	6.6	298
23	Immunochemically detectable phytochrome is present at normal levels but is photochemically nonfunctional in the hy 1 and hy 2 long hypocotyl mutants of <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 1989 , 12, 425-37	4.6	57

22	Chromosomal instability in cell- and tissue cultures of tomato haploids and diploids. <i>Euphytica</i> , 1989 , 43, 179-186	2.1	39
21	High Pigment Mutants of Tomato Exhibit High Sensitivity for Phytochrome Action. <i>Journal of Plant Physiology</i> , 1989 , 134, 661-666	3.6	58
20	Transfer of regeneration capacity from <i>Lycopersicon peruvianum</i> to <i>L. esculentum</i> by protoplast fusion. <i>Plant Cell, Tissue and Organ Culture</i> , 1988 , 12, 193-196	2.7	17
19	Photophysiology of a Tomato Mutant Deficient in Labile Phytochrome. <i>Journal of Plant Physiology</i> , 1988 , 133, 436-440	3.6	57
18	Photophysiology and phytochrome content of long-hypocotyl mutant and wild-type cucumber seedlings. <i>Plant Physiology</i> , 1988 , 87, 264-8	6.6	56
17	Transfer of Regeneration Capacity from <i>Lycopersicon Peruvianum</i> to <i>L. Esculentum</i> by Protoplast Fusion. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1988 , 227-230		0
16	Photomorphogenetic Responses of a Long Hypocotyl Mutant of <i>Cucumis sativus</i> L.. <i>Journal of Plant Physiology</i> , 1987 , 127, 481-491	3.6	52
15	A genetic analysis of cell culture traits in tomato. <i>Theoretical and Applied Genetics</i> , 1987 , 74, 633-41	6	132
14	The aurea mutant of tomato is deficient in spectrophotometrically and immunochemically detectable phytochrome. <i>Plant Molecular Biology</i> , 1987 , 9, 97-107	4.6	76
13	The role of endogenous gibberellins during fruit and seed development: Studies on gibberellin-deficient genotypes of <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 1986 , 67, 315-319	4.6	52
12	Photomorphogenic Responses of Long Hypocotyl Mutants of Tomato. <i>Journal of Plant Physiology</i> , 1985 , 120, 153-165	3.6	134
11	The isolation and characterization of abscisic acid-insensitive mutants of <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 1984 , 61, 377-383	4.6	789
10	The use of telotrisomics for centromere mapping in <i>Arabidopsis thaliana</i> (L.) Heynh.. <i>Genetica</i> , 1983 , 62, 33-40	1.5	14
9	Induction of dormancy during seed development by endogenous abscisic acid: studies on abscisic acid deficient genotypes of <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Planta</i> , 1983 , 157, 158-65	4.7	468
8	Trisomics in <i>Arabidopsis thaliana</i> and the location of linkage groups. <i>Genetica</i> , 1983 , 61, 41-46	1.5	43
7	Genetic fine-structure of the GA-1 locus in the higher plant <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Genetical Research</i> , 1983 , 41, 57-68	1.1	33
6	Linkage map of <i>Arabidopsis thaliana</i> . <i>Journal of Heredity</i> , 1983 , 74, 265-272	2.4	322
5	EMS- and radiation-induced mutation frequencies at individual loci in <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1982 , 93, 109-23	3.3	281

4	The isolation of abscisic acid (ABA) deficient mutants by selection of induced revertants in non-germinating gibberellin sensitive lines of <i>Arabidopsis thaliana</i> (L.) heynh. <i>Theoretical and Applied Genetics</i> , 1982 , 61, 385-93	6	457
3	Induction and analysis of gibberellin sensitive mutants in <i>Arabidopsis thaliana</i> (L.) heynh. <i>Theoretical and Applied Genetics</i> , 1980 , 58, 257-63	6	541
2	Genetic Control of Light-inhibited Hypocotyl Elongation in <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Zeitschrift für Pflanzenphysiologie</i> , 1980 , 100, 147-160		506
1	Genetic and Molecular Analysis of Growth Responses to Environmental Factors Using <i>Arabidopsis Thaliana</i> Natural Variation1-13		