Richard G F Visser

List of Publications by Year in Descending Order

500 papers	21,926 citations	74 h-index	121 g-index
527 ext. papers	26,487 ext. citations	5.4 avg, IF	6.78 L-index

#	Paper	IF	Citations
500	Allelic variation for alpha-Glucan Water Dikinase is associated with starch phosphate content in tetraploid potato.. *Plant Molecular Biology*, **2022**, 108, 469	4.6	1
499	Phased, chromosome-scale genome assemblies of tetraploid potato reveals a complex genome, transcriptome, and predicted proteome landscape underpinning genetic diversity.. *Molecular Plant*, **2022**,	14.4	2
498	Low CO2 Levels Are Detrimental for In Vitro Plantlets through Disturbance of Photosynthetic Functionality and Accumulation of Reactive Oxygen Species. *Horticulturae*, **2022**, 8, 44	2.5	0
497	Does tomato breeding for improved performance under LED supplemental lighting make sense?. *Euphytica*, **2022**, 218, 1	2.1	
496	Drought Stress Interacts With Powdery Mildew Infection in Tomato.. *Frontiers in Plant Science*, **2022** , 13, 845379	6.2	1
495	Phenotyping of a diverse tomato collection for postharvest shelf-life. *Postharvest Biology and Technology*, **2022**, 188, 111908	6.2	0
494	Crucial factors for the feasibility of commercial hybrid breeding in food crops.. *Nature Plants*, **2022**,	11.5	4
493	Deciphering resistance to Zymoseptoria tritici in the Tunisian durum wheat landrace accession 'Agili39'.. *BMC Genomics*, **2022**, 23, 372	4.5	0
492	Cisgenesis: Enabling an Innovative Green Agriculture by Deploying Genes from the Breeders Gene Pool. *Concepts and Strategies in Plant Sciences*, **2022**, 15-42	0.5	
491	Genetic mapping of the tomato quality traits brix and blossom-end rot under supplemental LED and HPS lighting conditions. *Euphytica*, **2021**, 217, 1	2.1	
490	De novo whole-genome assembly of Chrysanthemum makinoi, a key wild chrysanthemum. *G3: Genes, Genomes, Genetics*, **2021**,	3.2	1
489	Extracting knowledge networks from plant scientific literature: potato tuber flesh color as an exemplary trait. *BMC Plant Biology*, **2021**, 21, 198	5.3	
488	Allelic variants of the NLR protein Rpi-chc1 differentially recognize members of the Phytophthora infestans PexRD12/31 effector superfamily through the leucine-rich repeat domain. *Plant Journal*, **2021**, 107, 182-197	6.9	6
487	Using probabilistic genotypes in linkage analysis of polyploids. *Theoretical and Applied Genetics*, **2021**, 134, 2443-2457	6	1
486	The amino acid permease (AAP) genes CsAAP2A and SlAAP5A/B are required for oomycete susceptibility in cucumber and tomato. *Molecular Plant Pathology*, **2021**, 22, 658-672	5.7	4
485	Europe's Farm to Fork Strategy and Its Commitment to Biotechnology and Organic Farming: Conflicting or Complementary Goals?. *Trends in Plant Science*, **2021**, 26, 600-606	13.1	21
484	Potato CYCLING DOF FACTOR1 and its lncRNA counterpart StFLORE link tuber development and drought response. *Plant Journal*, **2021**, 105, 855-869	6.9	13

483	Neofunctionalisation of the Sli gene leads to self-compatibility and facilitates precision breeding in potato. *Nature Communications*, **2021**, 12, 4141	17.4	9
482	Susceptibility reversed: modified plant susceptibility genes for resistance to bacteria. *Trends in Plant Science*, **2021**,	13.1	3
481	Detecting quantitative trait loci and exploring chromosomal pairing in autopolyploids using polyqtlR. *Bioinformatics*, **2021**,	7.2	1
480	Understanding the Effectiveness of Genomic Prediction in Tetraploid Potato. *Frontiers in Plant Science*, **2021**, 12, 672417	6.2	1
479	High-Resolution Analysis of Growth and Transpiration of Quinoa Under Saline Conditions. *Frontiers in Plant Science*, **2021**, 12, 634311	6.2	3
478	Qualitative and Quantitative Resistance against Early Blight Introgressed in Potato. *Biology*, **2021**, 10,	4.9	1
477	Exploration of a Resequenced Tomato Core Collection for Phenotypic and Genotypic Variation in Plant Growth and Fruit Quality Traits. *Genes*, **2020**, 11,	4.2	9
476	The genetic and functional analysis of flavor in commercial tomato: the FLORAL4 gene underlies a QTL for floral aroma volatiles in tomato fruit. *Plant Journal*, **2020**, 103, 1189-1204	6.9	12
475	Differential responses to salt stress in ion dynamics, growth and seed yield of European quinoa varieties. *Environmental and Experimental Botany*, **2020**, 177, 104146	5.9	10
474	CRISPR/Cas9-targeted mutagenesis of the tomato susceptibility gene PMR4 for resistance against powdery mildew. *BMC Plant Biology*, **2020**, 20, 284	5.3	49
473	Options to Reform the European Union Legislation on GMOs: Risk Governance. *Trends in Biotechnology*, **2020**, 38, 349-351	15.1	9
472	Identification of QTLs Associated with Nitrogen Use Efficiency and Related Traits in a Diploid Potato Population. *American Journal of Potato Research*, **2020**, 97, 185-201	2.1	6
471	Enabling reusability of plant phenomic datasets with MIAPPE 1.1. *New Phytologist*, **2020**, 227, 260-273	9.8	42
470	Divergent Evolution of PcF/SCR74 Effectors in Oomycetes Is Associated with Distinct Recognition Patterns in Solanaceous Plants. *MBio*, **2020**, 11,	7.8	4
469	Distribution of P1(D1) wart disease resistance in potato germplasm and GWAS identification of haplotype-specific SNP markers. *Theoretical and Applied Genetics*, **2020**, 133, 1859-1871	6	11
468	Options to Reform the European Union Legislation on GMOs: Scope and Definitions. *Trends in Biotechnology*, **2020**, 38, 231-234	15.1	26
467	Morphological and physiological responses of the potato stem transport tissues to dehydration stress. *Planta*, **2020**, 251, 45	4.7	14
466	The ability to manipulate ROS metabolism in pepper may affect aphid virulence. *Horticulture Research*, **2020**, 7, 6	7.7	4

465	Carbon partitioning mechanisms in POTATO under drought stress. *Plant Physiology and Biochemistry*, **2020**, 146, 211-219	5.4	31
464	Optimisation of droplet digital PCR for determining copy number variation of gliadin genes in mutant and gene-edited polyploid bread wheat. *Journal of Cereal Science*, **2020**, 92, 102903	3.8	13
463	The NLR Protein Encoded by the Resistance Gene Is Triggered by the Replication-Associated Protein Rep/C1 of Tomato Yellow Leaf Curl Virus. *Frontiers in Plant Science*, **2020**, 11, 545306	6.2	11
462	Haplotype-resolved genome analyses of a heterozygous diploid potato. *Nature Genetics*, **2020**, 52, 1018-1023	30.3	40
461	Analysis of QTL DM4.1 for Downy Mildew Resistance in Cucumber Reveals Multiple subQTL: A Novel as Candidate Gene for the Most Important subQTL. *Frontiers in Plant Science*, **2020**, 11, 569876	6.2	7
460	Solyntus, the New Highly Contiguous Reference Genome for Potato (). *G3: Genes, Genomes, Genetics*, **2020**, 10, 3489-3495	3.2	13
459	A Hitchhiker's guide to the potato wart disease resistance galaxy. *Theoretical and Applied Genetics*, **2020**, 133, 3419-3439	6	4
458	Improving Pathogen Resistance by Exploiting Plant Susceptibility Genes in Coffee (Coffea spp.). *Agronomy*, **2020**, 10, 1928	3.6	3
457	Aphid resistance in Capsicum maps to a locus containing LRR-RLK gene analogues. *Theoretical and Applied Genetics*, **2020**, 133, 227-237	6	8
456	Genetic Diversity of Potato Cultivars for Nitrogen Use Efficiency Under Contrasting Nitrogen Regimes. *Potato Research*, **2020**, 63, 267-290	3.2	4
455	Options to Reform the European Union Legislation on GMOs: Post-authorization and Beyond. *Trends in Biotechnology*, **2020**, 38, 465-467	15.1	7
454	RLP/K enrichment sequencing; a novel method to identify receptor-like protein (RLP) and receptor-like kinase (RLK) genes. *New Phytologist*, **2020**, 227, 1264-1276	9.8	16
453	Dissecting the Genotypic Variation of Growth Responses to Far-Red Radiation in Tomato. *Frontiers in Plant Science*, **2020**, 11, 614714	6.2	1
452	Shoot sodium exclusion in salt stressed barley (Hordeum vulgare L.) is determined by allele specific increased expression of HKT1;5. *Journal of Plant Physiology*, **2019**, 241, 153029	3.6	14
451	Far-red radiation increases dry mass partitioning to fruits but reduces Botrytis cinerea resistance in tomato. *Environmental and Experimental Botany*, **2019**, 168, 103889	5.9	29
450	High light accelerates potato flowering independently of the FT-like flowering signal StSP3D. *Environmental and Experimental Botany*, **2019**, 160, 35-44	5.9	7
449	Haplotype assembly of autotetraploid potato using integer linear programing. *Bioinformatics*, **2019**, 35, 3279-3286	7.2	8
448	Comparative Subsequence Sets Analysis (CoSSA) is a robust approach to identify haplotype specific SNPs; mapping and pedigree analysis of a potato wart disease resistance gene. *Plant Methods*, **2019** , 15, 60	5.8	13

447	Family-Based Haplotype Estimation and Allele Dosage Correction for Polyploids Using Short Sequence Reads. *Frontiers in Genetics*, **2019**, 10, 335	4.5	5
446	A rapid method to screen wild Solanum for resistance to early blight. *European Journal of Plant Pathology*, **2019**, 154, 109-114	2.1	5
445	Development of the GlutEnSeq capture system for sequencing gluten gene families in hexaploid bread wheat with deletions or mutations induced by irradiation or CRISPR/Cas9. *Journal of Cereal Science*, **2019**, 88, 157-166	3.8	16
444	Source-Sink Regulation Is Mediated by Interaction of an FT Homolog with a SWEET Protein in Potato. *Current Biology*, **2019**, 29, 1178-1186.e6	6.3	64
443	Food and environmental safety assessment of new plant varieties after the European Court decision: Process-triggered or product-based?. *Trends in Food Science and Technology*, **2019**, 88, 24-32	15.3	7
442	Development of an in vitro protocol to screen Clavibacter michiganensis subsp. michiganensis pathogenicity in different Solanum species. *Plant Pathology*, **2019**, 68, 42-48	2.8	4
441	Outlook for coeliac disease patients: towards bread wheat with hypoimmunogenic gluten by gene editing of and gliadin gene families. *BMC Plant Biology*, **2019**, 19, 333	5.3	48
440	The AvrSen1 Triggers a Hypersensitive Response in Potatoes While Natural Variants Evade Detection. *Molecular Plant-Microbe Interactions*, **2019**, 32, 1536-1546	3.6	8
439	Genetic mapping of tuber size distribution and marketable tuber yield under drought stress in potatoes. *Euphytica*, **2019**, 215, 1	2.1	14
438	Genome-wide association analysis in tetraploid potato reveals four QTLs for protein content. *Molecular Breeding*, **2019**, 39, 1	3.4	8
437	Quantifying the Power and Precision of QTL Analysis in Autopolyploids Under Bivalent and Multivalent Genetic Models. *G3: Genes, Genomes, Genetics*, **2019**, 9, 2107-2122	3.2	9
436	Breeding Has Increased the Diversity of Cultivated Tomato in The Netherlands. *Frontiers in Plant Science*, **2019**, 10, 1606	6.2	38
435	High-Altitude Wild Species LA385-A Potential Source for Improvement of Plant Growth and Photosynthetic Performance at Suboptimal Temperatures. *Frontiers in Plant Science*, **2019**, 10, 1163	6.2	4
434	The ROSEA1 and DELILA transcription factors control anthocyanin biosynthesis in Nicotiana benthamiana and Lilium flowers. *Scientia Horticulturae*, **2019**, 243, 327-337	4.1	8
433	The tuberization signal StSP6A represses flower bud development in potato. *Journal of Experimental Botany*, **2019**, 70, 937-948	7	14
432	QTL mapping of insect resistance components of Solanum galapagense. *Theoretical and Applied Genetics*, **2019**, 132, 531-541	6	15
431	The effect of isolation methods of tomato pollen on the results of metabolic profiling. *Metabolomics*, **2019**, 15, 11	4.7	2
430	Patterns of Transmission Ratio Distortion in Interspecific Lettuce Hybrids Reveal a Sex-Independent Gametophytic Barrier. *Genetics*, **2019**, 211, 263-276	4	4

429	Coincidence of potato CONSTANS (StCOL1) expression and light cannot explain night-break repression of tuberization. *Physiologia Plantarum*, **2019**, 167, 250-263	4.6	1
428	The ELR-SOBIR1 Complex Functions as a Two-Component Receptor-Like Kinase to Mount Defense Against Phytophthora infestans. *Molecular Plant-Microbe Interactions*, **2018**, 31, 795-802	3.6	25
427	Two different gene loci co-evolved with of and confer distinct resistance specificities in potato. *Studies in Mycology*, **2018**, 89, 105-115	22.2	25
426	Gapless Genome Assembly of the Potato and Tomato Early Blight Pathogen Alternaria solani. *Molecular Plant-Microbe Interactions*, **2018**, 31, 692-694	3.6	20
425	Folate Biofortification of Potato by Tuber-Specific Expression of Four Folate Biosynthesis Genes. *Molecular Plant*, **2018**, 11, 175-188	14.4	24
424	polymapR-linkage analysis and genetic map construction from F1 populations of outcrossing polyploids. *Bioinformatics*, **2018**, 34, 3496-3502	7.2	40
423	Genetically engineering Crambe abyssinicaÂ potentially high-value oil crop for salt land improvement. *Land Degradation and Development*, **2018**, 29, 1096-1106	4.4	10
422	Food processing and breeding strategies for coeliac-safe and healthy wheat products. *Food Research International*, **2018**, 110, 11-21	7	30
421	Heterologous expression of two Arabidopsis starch dikinases in potato. *Starch/Staerke*, **2018**, 70, 1600324	2.3	2
420	Tools for Genetic Studies in Experimental Populations of Polyploids. *Frontiers in Plant Science*, **2018**, 9, 513	6.2	88
419	The Role of Tomato Genes in Plant Responses to Combined Abiotic and Biotic Stresses. *Frontiers in Plant Science*, **2018**, 9, 801	6.2	77
418	The European Union Court's Advocate General's Opinion and new plant breeding techniques. *Nature Biotechnology*, **2018**, 36, 573-575	44.5	25
417	Anthocyanin Biosynthesis and Degradation Mechanisms in Vegetables: A Review. *Frontiers in Chemistry*, **2018**, 6, 52	5	232
416	Genetical genomics of quality related traits in potato tubers using proteomics. *BMC Plant Biology*, **2018**, 18, 20	5.3	13
415	The assessment of field trials in GMO research around the world and their possible integration in field trials for variety registration. *Transgenic Research*, **2018**, 27, 321-329	3.3	12
414	Resistance to Tomato Yellow Leaf Curl Virus in Tomato Germplasm. *Frontiers in Plant Science*, **2018**, 9, 1198	6.2	31
413	QTLTableMiner: semantic mining of QTL tables in scientific articles. *BMC Bioinformatics*, **2018**, 19, 183	3.6	5
412	Plant behaviour under combined stress: tomato responses to combined salinity and pathogen stress. *Plant Journal*, **2018**, 93, 781-793	6.9	96

411	Genetic Characterization of Clavibacter michiganensis subsp. michiganensis Population in Turkey. *Plant Disease*, **2018**, 102, 300-308	1.5	3
410	Production of Heterologous Storage Polysaccharides in Potato Plants **2018**, 389-408		
409	Development of Wheat With Hypoimmunogenic Gluten Obstructed by the Gene Editing Policy in Europe. *Frontiers in Plant Science*, **2018**, 9, 1523	6.2	34
408	Bidirectional backcrosses between wild and cultivated lettuce identify loci involved in nonhost resistance to downy mildew. *Theoretical and Applied Genetics*, **2018**, 131, 1761-1776	6	6
407	Exploring natural genetic variation in tomato sucrose synthases on the basis of increased kinetic properties. *PLoS ONE*, **2018**, 13, e0206636	3.7	6
406	EU court casts new plant breeding techniques into regulatory limbo. *Nature Biotechnology*, **2018**, 36, 799-800	44.5	33
405	QTL mapping in diploid potato by using selfed progenies of the cross *Euphytica*, **2018**, 214, 121	2.1	11
404	Drought response in field grown potatoes and the interactions between canopy growth and yield. *Agricultural Water Management*, **2018**, 206, 20-30	5.9	33
403	A Welcome Proposal to Amend the GMO Legislation of the EU. *Trends in Biotechnology*, **2018**, 36, 1100-1103	15.1	25
402	Multi-environment QTL analysis of plant and flower morphological traits in tetraploid rose. *Theoretical and Applied Genetics*, **2018**, 131, 2055-2069	6	20
401	Evaluation of Miscanthus sinensis biomass quality as feedstock for conversion into different bioenergy products. *GCB Bioenergy*, **2017**, 9, 176-190	5.6	56
400	Impact of drought stress on growth and quality of miscanthus for biofuel production. *GCB Bioenergy*, **2017**, 9, 770-782	5.6	60
399	Partial preferential chromosome pairing is genotype dependent in tetraploid rose. *Plant Journal*, **2017**, 90, 330-343	6.9	50
398	Functional characterization of the powdery mildew susceptibility gene SmMLO1 in eggplant (Solanum melongena L.). *Transgenic Research*, **2017**, 26, 323-330	3.3	1
397	Potato starch synthases: Functions and relationships. *Biochemistry and Biophysics Reports*, **2017**, 10, 7-16	2.2	28
396	Developments in breeding of Agaricus bisporus var. bisporus: progress made and technical and legal hurdles to take. *Applied Microbiology and Biotechnology*, **2017**, 101, 1819-1829	5.7	29
395	Azacytidine and miR156 promote rooting in adult but not in juvenile Arabidopsis tissues. *Journal of Plant Physiology*, **2017**, 208, 52-60	3.6	16
394	Screening for pollen tolerance to high temperatures in tomato. *Euphytica*, **2017**, 213, 1	2.1	33

393	Genetic mapping and QTL analysis of Botrytis resistance in. *Molecular Breeding*, **2017**, 37, 13	3.4	16
392	Deciphering the genetic control of fruit texture in apple by multiple family-based analysis and genome-wide association. *Journal of Experimental Botany*, **2017**, 68, 1451-1466	7	39
391	Frequency of a natural truncated allele of in the germplasm of. *Molecular Breeding*, **2017**, 37, 7	3.4	7
390	Engineering Potato Starch with a Higher Phosphate Content. *PLoS ONE*, **2017**, 12, e0169610	3.7	16
389	Silencing of DND1 in potato and tomato impedes conidial germination, attachment and hyphal growth of Botrytis cinerea. *BMC Plant Biology*, **2017**, 17, 235	5.3	9
388	A tandem CBM25 domain of □amylase from Microbacterium aurum as potential tool for targeting proteins to starch granules during starch biosynthesis. *BMC Biotechnology*, **2017**, 17, 86	3.5	2
387	Conclusive evidence for hexasomic inheritance in chrysanthemum based on analysis of a 183□k SNP array. *BMC Genomics*, **2017**, 18, 585	4.5	26
386	Effector-mediated discovery of a novel resistance gene against Bremia lactucae in a nonhost lettuce species. *New Phytologist*, **2017**, 216, 915-926	9.8	19
385	An ultra-dense integrated linkage map for hexaploid chrysanthemum enables multi-allelic QTL analysis. *Theoretical and Applied Genetics*, **2017**, 130, 2527-2541	6	39
384	Evaluation of LD decay and various LD-decay estimators in simulated and SNP-array data of tetraploid potato. *Theoretical and Applied Genetics*, **2017**, 130, 123-135	6	86
383	Graphical genotyping as a method to map Ny and Gpa5 using a reference panel of tetraploid potato cultivars. *Theoretical and Applied Genetics*, **2017**, 130, 515-528	6	22
382	Untargeted metabolomic analysis of tomato pollen development and heat stress response. *Plant Reproduction*, **2017**, 30, 81-94	3.9	36
381	Etiolation and flooding of donor plants enhance the capability of Arabidopsis explants to root. *Plant Cell, Tissue and Organ Culture*, **2017**, 130, 531-541	2.7	8
380	Genetic complexity of miscanthus cell wall composition and biomass quality for biofuels. *BMC Genomics*, **2017**, 18, 406	4.5	14
379	Functional characterization of cucumber (Cucumis sativus L.) Clade V MLO genes. *BMC Plant Biology* , **2017**, 17, 80	5.3	17
378	Starch phosphorylation plays an important role in starch biosynthesis. *Carbohydrate Polymers*, **2017**, 157, 1628-1637	10.3	26
377	Breeding for postharvest performance in chrysanthemum by selection against storage-induced degreening of disk florets. *Postharvest Biology and Technology*, **2017**, 124, 45-53	6.2	8
376	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. *New Phytologist*, **2017**, 213, 1346-1362	9.8	99

375	Evaluation of both targeted and non-targeted cell wall polysaccharides in transgenic potatoes. *Carbohydrate Polymers*, **2017**, 156, 312-321	10.3	5
374	Genetic Diversity of Salt Tolerance in. *Frontiers in Plant Science*, **2017**, 8, 187	6.2	18
373	Assembly of Complete Chloroplast Genomes from Non-model Species Based on a K-mer Frequency-Based Selection of Chloroplast Reads from Total DNA Sequences. *Frontiers in Plant Science*, **2017**, 8, 1271	6.2	12
372	Functional Characterization of a Syntaxin Involved in Tomato () Resistance against Powdery Mildew. *Frontiers in Plant Science*, **2017**, 8, 1573	6.2	6
371	Impact of Different Lignin Fractions on Saccharification Efficiency in Diverse Species of the Bioenergy Crop Miscanthus. *Bioenergy Research*, **2016**, 9, 146-156	3.1	29
370	A detailed analysis of the recombination landscape of the button mushroom Agaricus bisporus var. bisporus. *Fungal Genetics and Biology*, **2016**, 93, 35-45	3.9	40
369	Integrating haplotype-specific linkage maps in tetraploid species using SNP markers. *Theoretical and Applied Genetics*, **2016**, 129, 2211-2226	6	23
368	Problematic Crops: 1. Potatoes **2016**, 171-191		7
367	Integration of multi-omics data for prediction of phenotypic traits using random forest. *BMC Bioinformatics*, **2016**, 17 Suppl 5, 180	3.6	45
366	Inheritance and QTL analysis of the determinants of flower color in tetraploid cut roses. *Molecular Breeding*, **2016**, 36, 143	3.4	11
365	High-density SNP-based genetic maps for the parents of an outcrossed and a selfed tetraploid garden rose cross, inferred from admixed progeny using the 68k rose SNP array. *Horticulture Research*, **2016**, 3, 16052	7.7	33
364	Multi-trait QTL analysis for agronomic and quality characters of Agaricus bisporus (button mushrooms). *AMB Express*, **2016**, 6, 67	4.1	7
363	The Solanum demissum R8 late blight resistance gene is an Sw-5 homologue that has been deployed worldwide in late blight resistant varieties. *Theoretical and Applied Genetics*, **2016**, 129, 1785-96	6	50
362	Maize feedstocks with improved digestibility reduce the costs and environmental impacts of biomass pretreatment and saccharification. *Biotechnology for Biofuels*, **2016**, 9, 63	7.8	16
361	Down-regulation of Arabidopsis DND1 orthologs in potato and tomato leads to broad-spectrum resistance to late blight and powdery mildew. *Transgenic Research*, **2016**, 25, 123-38	3.3	29
360	Future-proof crops: challenges and strategies for climate resilience improvement. *Current Opinion in Plant Biology*, **2016**, 30, 47-56	9.9	24
359	Durable Late Blight Resistance in Potato Through Dynamic Varieties Obtained by Cisgenesis: Scientific and Societal Advances in the DuRPh Project. *Potato Research*, **2016**, 59, 35-66	3.2	124
358	A Systems Genetics Approach Identifies Gene Regulatory Networks Associated with Fatty Acid Composition in Brassica rapa Seed. *Plant Physiology*, **2016**, 170, 568-85	6.6	22

357	Stability of Cell Wall Composition and Saccharification Efficiency in across Diverse Environments. *Frontiers in Plant Science*, **2016**, 7, 2004	6.2	12
356	Ethylene and Abscisic Acid Signaling Pathways Differentially Influence Tomato Resistance to Combined Powdery Mildew and Salt Stress. *Frontiers in Plant Science*, **2016**, 7, 2009	6.2	21
355	Expression of an (Engineered) 4,6-Glucanotransferase in Potato Results in Changes in Starch Characteristics. *PLoS ONE*, **2016**, 11, e0166981	3.7	1
354	Transcriptome Analysis of Gerbera hybrida Including in silico Confirmation of Defense Genes Found. *Frontiers in Plant Science*, **2016**, 7, 247	6.2	19
353	Genome-Wide Study of the Tomato SlMLO Gene Family and Its Functional Characterization in Response to the Powdery Mildew Fungus Oidium neolycopersici. *Frontiers in Plant Science*, **2016**, 7, 380	6.2	43
352	Systems genetics reveals key genetic elements of drought induced gene regulation in diploid potato. *Plant, Cell and Environment*, **2016**, 39, 1895-908	8.4	7
351	The knock-down of the expression of MdMLO19 reduces susceptibility to powdery mildew (Podosphaera leucotricha) in apple (Malus domestica). *Plant Biotechnology Journal*, **2016**, 14, 2033-44	11.6	41
350	Silencing of six susceptibility genes results in potato late blight resistance. *Transgenic Research*, **2016**, 25, 731-42	3.3	59
349	Responses to combined abiotic and biotic stress in tomato are governed by stress intensity and resistance mechanism. *Journal of Experimental Botany*, **2016**, 67, 5119-32	7	51
348	Understanding the role of oat glucan in oat-based dough systems. *Journal of Cereal Science*, **2015**, 62, 1-7	3.8	17
347	Cell Wall Diversity in Forage Maize: Genetic Complexity and Bioenergy Potential. *Bioenergy Research*, **2015**, 8, 187-202	3.1	18
346	Natural loss-of-function mutation of EDR1 conferring resistance to tomato powdery mildew in Arabidopsis thaliana accession C24. *Molecular Plant Pathology*, **2015**, 16, 71-82	5.7	8
345	Combined biotic and abiotic stress resistance in tomato. *Euphytica*, **2015**, 202, 317-332	2.1	44
344	Characterisation of the late blight resistance in potato differential MaR9 reveals a qualitative resistance gene, R9a, residing in a cluster of Tm-2 (2) homologs on chromosome IX. *Theoretical and Applied Genetics*, **2015**, 128, 931-41	6	26
343	Effect of kilning and milling on the dough-making properties of oat flour. *LWT - Food Science and Technology*, **2015**, 63, 960-965	5.4	14
342	Assessing the genetic variation of - and - alleles conferring resistance to tomato yellow leaf curl virus in a broad tomato germplasm. *Molecular Breeding*, **2015**, 35, 132	3.4	23
341	Elicitin recognition confers enhanced resistance to Phytophthora infestans in potato. *Nature Plants*, **2015**, 1, 15034	11.5	144
340	Quantitative trait locus mapping for bruising sensitivity and cap color of Agaricus bisporus (button mushrooms). *Fungal Genetics and Biology*, **2015**, 77, 69-81	3.9	21

339	An updated conventional- and a novel GM potato late blight R gene differential set for virulence monitoring of Phytophthora infestans. *Euphytica*, **2015**, 202, 219-234	2.1	29
338	Understanding the genetic basis of potato development using a multi-trait QTL analysis. *Euphytica*, **2015**, 204, 229-241	2.1	6
337	Genetic mapping of resistance to f. sp. in tulip. *Molecular Breeding*, **2015**, 35, 122	3.4	14
336	Host plant resistance towards the cabbage whitefly in Brassica oleracea and its wild relatives. *Euphytica*, **2015**, 202, 297-306	2.1	19
335	The Double-Reduction Landscape in Tetraploid Potato as Revealed by a High-Density Linkage Map. *Genetics*, **2015**, 201, 853-63	4	61
334	Homologues of potato chromosome 5 show variable collinearity in the euchromatin, but dramatic absence of sequence similarity in the pericentromeric heterochromatin. *BMC Genomics*, **2015**, 16, 374	4.5	15
333	Identification of QTL markers contributing to plant growth, oil yield and fatty acid composition in the oilseed crop Jatropha curcas L. *Biotechnology for Biofuels*, **2015**, 8, 160	7.8	24
332	Development and analysis of a 20K SNP array for potato (Solanum tuberosum): an insight into the breeding history. *Theoretical and Applied Genetics*, **2015**, 128, 2387-401	6	112
331	Identification of candidate MLO powdery mildew susceptibility genes in cultivated Solanaceae and functional characterization of tobacco NtMLO1. *Transgenic Research*, **2015**, 24, 847-58	3.3	41
330	QTL mapping of thrips resistance in pepper. *Theoretical and Applied Genetics*, **2015**, 128, 1945-56	6	15
329	Detection of an inversion in the Ty-2 region between S. lycopersicum and S. habrochaites by a combination of de novo genome assembly and BAC cloning. *Theoretical and Applied Genetics*, **2015**, 128, 1987-97	6	9
328	Influence of plant growth stage on resistance to anthracnose in Andean lupin (Lupinus mutabilis). *Crop and Pasture Science*, **2015**, 66, 729	2.2	17
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