

# Hanan Sela

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,442  
citations

471061

17  
h-index

395343

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. <i>Science</i> , 2017, 357, 93-97.	6.0	781
2	A Kinase-START Gene Confers Temperature-Dependent Resistance to Wheat Stripe Rust. <i>Science</i> , 2009, 323, 1357-1360.	6.0	625
3	Cloning of the wheat Yr15 resistance gene sheds light on the plant tandem kinase-pseudokinase family. <i>Nature Communications</i> , 2018, 9, 3735.	5.8	204
4	<i>Cassandra</i> retrotransposons carry independently transcribed 5S RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5833-5838.	3.3	127
5	Ultra-dense genetic map of durum wheat—wild emmer wheat developed using the 90K iSelect SNP genotyping assay. <i>Molecular Breeding</i> , 2014, 34, 1549-1562.	1.0	86
6	Evolution and Adaptation of Wild Emmer Wheat Populations to Biotic and Abiotic Stresses. <i>Annual Review of Phytopathology</i> , 2016, 54, 279-301.	3.5	67
7	SNP-based pool genotyping and haplotype analysis accelerate fine-mapping of the wheat genomic region containing stripe rust resistance gene Yr26. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1481-1496.	1.8	61
8	Genome sequences of three <i>Aegilops</i> species of the section Sitopsis reveal phylogenetic relationships and provide resources for wheat improvement. <i>Plant Journal</i> , 2022, 110, 179-192.	2.8	46
9	Ancient diversity of splicing motifs and protein surfaces in the wild emmer wheat ( <i>Triticum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Pathology, 2012, 13, 276-287.	2.0	45
10	Discovery and characterization of two new stem rust resistance genes in <i>Aegilops sharonensis</i> . <i>Theoretical and Applied Genetics</i> , 2017, 130, 1207-1222.	1.8	45
11	The physical map of wheat chromosome 1BS provides insights into its gene space organization and evolution. <i>Genome Biology</i> , 2013, 14, R138.	13.9	40
12	Linkage disequilibrium and association analysis of stripe rust resistance in wild emmer wheat ( <i>Triticum turgidum</i> ssp. <i>dicoccoides</i> ) population in Israel. <i>Theoretical and Applied Genetics</i> , 2014, 127, 2453-2463.	1.8	28
13	Unlocking the Genetic Diversity within A Middle-East Panel of Durum Wheat Landraces for Adaptation to Semi-arid Climate. <i>Agronomy</i> , 2018, 8, 233.	1.3	28
14	Resistance of <i>Aegilops longissima</i> to the Rusts of Wheat. <i>Plant Disease</i> , 2018, 102, 1124-1135.	0.7	26
15	Distribution and haplotype diversity of WKS resistance genes in wild emmer wheat natural populations. <i>Theoretical and Applied Genetics</i> , 2016, 129, 921-934.	1.8	24
16	Wheat domestication in light of haplotype analyses of the Brittle rachis 1 genes (BTR1-A and BTR1-B). <i>Plant Science</i> , 2019, 285, 193-199.	1.7	23
17	Detection of crop diseases using enhanced variability imagery data and convolutional neural networks. <i>Computers and Electronics in Agriculture</i> , 2022, 193, 106732.	3.7	22
18	Three-Dimensional Modeling and Diversity Analysis Reveals Distinct AVR Recognition Sites and Evolutionary Pathways in Wild and Domesticated Wheat Pm3 R Genes. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 835-845.	1.4	19

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19	Rapid linkage disequilibrium decay in the Lr10 gene in wild emmer wheat ( <i>Triticum dicoccoides</i> ) populations. <i>Theoretical and Applied Genetics</i> , 2011, 122, 175-187.	1.8	17
20	Resistance of <i>Aegilops</i> Species from Israel to Widely Virulent African and Israeli Races of the Wheat Stem Rust Pathogen. <i>Plant Disease</i> , 2014, 98, 1309-1320.	0.7	14
21	The Institute of Evolution Wild Cereal Gene Bank at the University of Haifa. <i>Israel Journal of Plant Sciences</i> , 2018, 65, 129-146.	0.3	14
22	The Israeli "Palestinian wheat landraces collection: restoration and characterization of lost genetic diversity. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4083-4092.	1.7	14
23	Divergent diversity patterns of NBS and LRR domains of resistance gene analogs in wild emmer wheat populations. <i>Genome</i> , 2009, 52, 557-565.	0.9	13
24	TdPm60 identified in wild emmer wheat is an ortholog of Pm60 and constitutes a strong candidate for PmG16 powdery mildew resistance. <i>Theoretical and Applied Genetics</i> , 2021, 134, 2777-2793.	1.8	12
25	Reducing the size of an alien segment carrying leaf rust and stripe rust resistance in wheat. <i>BMC Plant Biology</i> , 2020, 20, 153.	1.6	10
26	Pathogen race determines the type of resistance response in the stripe rust- <i>Triticum dicoccoides</i> pathosystem. <i>Physiologia Plantarum</i> , 2010, 139, 269-79.	2.6	9
27	Variation in Stripe Rust Resistance and Morphological Traits in Wild Emmer Wheat Populations. <i>Agronomy</i> , 2019, 9, 44.	1.3	8
28	Characterization of the Barley Net Blotch Pathosystem at the Center of Origin of Host and Pathogen. <i>Pathogens</i> , 2019, 8, 275.	1.2	8
29	Landraces of snake melon, an ancient Middle Eastern crop, reveal extensive morphological and DNA diversity for potential genetic improvement. <i>BMC Genetics</i> , 2018, 19, 34.	2.7	7
30	GWAS for Stripe Rust Resistance in Wild Emmer Wheat ( <i>Triticum dicoccoides</i> ) Population: Obstacles and Solutions. <i>Crops</i> , 2022, 2, 42-61.	0.6	7
31	Genetic diversity of three Israeli wild relatives of wheat from the Sitopsis section of <i>Aegilops</i> . <i>Israel Journal of Plant Sciences</i> , 2018, 65, 161-174.	0.3	5
32	Genome-Wide Mapping of Loci for Adult-Plant Resistance to Stripe Rust in Durum Wheat Svevo Using the 90K SNP Array. <i>Plant Disease</i> , 2021, 105, 879-888.	0.7	4