

Simon G Krattinger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/915403/publications.pdf>

Version: 2024-02-01

58
papers

5,243
citations

147801

31
h-index

168389

53
g-index

64
all docs

64
docs citations

64
times ranked

4254
citing authors

#	ARTICLE	IF	CITATIONS
1	The long road to engineering durable disease resistance in wheat. <i>Current Opinion in Biotechnology</i> , 2022, 73, 270-275.	6.6	14
2	Long-read genome sequencing of bread wheat facilitates disease resistance gene cloning. <i>Nature Genetics</i> , 2022, 54, 227-231.	21.4	63
3	Oat genome " sequence of a superfood. <i>Nature Plants</i> , 2022, 8, 602-603.	9.3	5
4	A membrane-bound ankyrin repeat protein confers race-specific leaf rust disease resistance in wheat. <i>Nature Communications</i> , 2021, 12, 956.	12.8	63
5	Population genomics and haplotype analysis in spelt and bread wheat identifies a gene regulating glume color. <i>Communications Biology</i> , 2021, 4, 375.	4.4	11
6	Alleles of a wall-associated kinase gene account for three of the major northern corn leaf blight resistance loci in maize. <i>Plant Journal</i> , 2021, 106, 526-535.	5.7	23
7	Genome-wide association study for septoria tritici blotch resistance reveals the occurrence and distribution of Stb6 in a historic Swiss landrace collection. <i>Euphytica</i> , 2021, 217, 1.	1.2	3
8	Comparative Transcriptome Analysis of Wheat Lines in the Field Reveals Multiple Essential Biochemical Pathways Suppressed by Obligate Pathogens. <i>Frontiers in Plant Science</i> , 2021, 12, 720462.	3.6	14
9	Expression of the wheat disease resistance gene Lr34 in transgenic barley leads to accumulation of abscisic acid at the leaf tip. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 950-957.	5.8	10
10	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	27.8	513
11	Fonio millet genome unlocks African orphan crop diversity for agriculture in a changing climate. <i>Nature Communications</i> , 2020, 11, 4488.	12.8	63
12	The NLR-Annotator Tool Enables Annotation of the Intracellular Immune Receptor Repertoire. <i>Plant Physiology</i> , 2020, 183, 468-482.	4.8	147
13	Impedimetric Plant Biosensor Based on Minimally Invasive and Flexible Microneedle Electrodes. , 2020, , .		2
14	A new player contributing to durable Fusarium resistance. <i>Nature Genetics</i> , 2019, 51, 1070-1071.	21.4	36
15	Orthologous receptor kinases quantitatively affect the host status of barley to leaf rust fungi. <i>Nature Plants</i> , 2019, 5, 1129-1135.	9.3	37
16	Updated inventory, evolutionary and expression analyses of G (PDR) type ABC transporter genes of rice. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 429-439.	5.8	17
17	Abscisic acid is a substrate of the ABC transporter encoded by the durable wheat disease resistance gene <i>Lr34</i> . <i>New Phytologist</i> , 2019, 223, 853-866.	7.3	102
18	Fungal resistance mediated by maize wall-associated kinase ZmWAK-RLK1 correlates with reduced benzoxazinoid content. <i>New Phytologist</i> , 2019, 221, 976-987.	7.3	71

#	ARTICLE	IF	CITATIONS
19	Point Inoculation Method for Measuring Adult Plant Response of Wheat to Stripe Rust Infection. <i>Plant Disease</i> , 2019, 103, 1228-1233.	1.4	2
20	Genebank genomics highlights the diversity of a global barley collection. <i>Nature Genetics</i> , 2019, 51, 319-326.	21.4	322
21	Rapid gene cloning in cereals. <i>Theoretical and Applied Genetics</i> , 2019, 132, 699-711.	3.6	26
22	Precision Phenotyping Reveals Novel Loci for Quantitative Resistance to Septoria Tritici Blotch. <i>Plant Phenomics</i> , 2019, 2019, 3285904.	5.9	37
23	A new player in race-specific resistance. <i>Nature Plants</i> , 2018, 4, 197-198.	9.3	11
24	Pathogen-inducible <i>TaLr34res</i> expression in heterologous barley confers disease resistance without negative pleiotropic effects. <i>Plant Biotechnology Journal</i> , 2018, 16, 245-253.	8.3	39
25	Transcriptional profiling reveals no response of fungal pathogens to the durable, quantitative <i>Lr34</i> disease resistance gene of wheat. <i>Plant Pathology</i> , 2018, 67, 792-798.	2.4	5
26	Unlocking the diversity of genebanks: whole-genome marker analysis of Swiss bread wheat and spelt. <i>Theoretical and Applied Genetics</i> , 2018, 131, 407-416.	3.6	47
27	Advances in Wheat and Pathogen Genomics: Implications for Disease Control. <i>Annual Review of Phytopathology</i> , 2018, 56, 67-87.	7.8	66
28	Chromosome-scale comparative sequence analysis unravels molecular mechanisms of genome dynamics between two wheat cultivars. <i>Genome Biology</i> , 2018, 19, 104.	8.8	54
29	Resistance: Double gain with one gene. <i>Nature Plants</i> , 2017, 3, 17019.	9.3	6
30	Rapid cloning of genes in hexaploid wheat using cultivar-specific long-range chromosome assembly. <i>Nature Biotechnology</i> , 2017, 35, 793-796.	17.5	218
31	Genomic compartments in barley. <i>Nature</i> , 2017, 544, 424-425.	27.8	18
32	The wheat <i>Lr34</i> multipathogen resistance gene confers resistance to anthracnose and rust in sorghum. <i>Plant Biotechnology Journal</i> , 2017, 15, 1387-1396.	8.3	52
33	The <i>Lr34</i> adult plant rust resistance gene provides seedling resistance in durum wheat without senescence. <i>Plant Biotechnology Journal</i> , 2017, 15, 894-905.	8.3	56
34	Rapid Identification of Rust Resistance Genes Through Cultivar-Specific De Novo Chromosome Assemblies. <i>Methods in Molecular Biology</i> , 2017, 1659, 245-255.	0.9	2
35	Combined GC- and UHPLC-HR-MS Based Metabolomics to Analyze Durable Anti-fungal Resistance Processes in Cereals. <i>Chimia</i> , 2017, 71, 156-159.	0.6	6
36	The durable wheat disease resistance gene <i>Lr34</i> confers common rust and northern corn leaf blight resistance in maize. <i>Plant Biotechnology Journal</i> , 2017, 15, 489-496.	8.3	75

#	ARTICLE	IF	CITATIONS
37	Characterization of Lr75: a partial, broad-spectrum leaf rust resistance gene in wheat. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1-12.	3.6	130
38	Large-scale Maize Seedling Infection with <i>Exserohilum turcicum</i> in the Greenhouse. <i>Bio-protocol</i> , 2017, 7, e2567.	0.4	3
39	The wheat durable, multipathogen resistance gene <i>Lr34</i> confers partial blast resistance in rice. <i>Plant Biotechnology Journal</i> , 2016, 14, 1261-1268.	8.3	98
40	Trapping the intruder – immune receptor domain fusions provide new molecular leads for improving disease resistance in plants. <i>Genome Biology</i> , 2016, 17, 23.	8.8	7
41	Molecular genetics and evolution of disease resistance in cereals. <i>New Phytologist</i> , 2016, 212, 320-332.	7.3	99
42	Rapid gene isolation in barley and wheat by mutant chromosome sequencing. <i>Genome Biology</i> , 2016, 17, 221.	8.8	265
43	The <i>Lr34</i> adult plant rust resistance gene provides seedling resistance in durum wheat without senescence. <i>Plant Biotechnology Journal</i> , 2016, , .	8.3	0
44	The wheat resistance gene <i>Lr34</i> results in the constitutive induction of multiple defense pathways in transgenic barley. <i>Plant Journal</i> , 2015, 84, 202-215.	5.7	45
45	The maize disease resistance gene <i>Htn1</i> against northern corn leaf blight encodes a wall-associated receptor-like kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8780-8785.	7.1	302
46	Genomic Approaches Towards Durable Fungal Disease Resistance in Wheat. , 2015, , 369-375.		2
47	Recent emergence of the wheat <i>Lr34</i> multi-pathogen resistance: insights from haplotype analysis in wheat, rice, sorghum and <i>Aegilops tauschii</i> . <i>Theoretical and Applied Genetics</i> , 2013, 126, 663-672.	3.6	79
48	The wheat <i>Lr34</i> gene provides resistance against multiple fungal pathogens in barley. <i>Plant Biotechnology Journal</i> , 2013, 11, 847-854.	8.3	116
49	Comment on “In Turkish wheat cultivars the resistance allele of LR34 is ineffective against leaf rust”. <i>Journal of Plant Diseases and Protection</i> , 2013, 120, 3-3.	2.9	1
50	Functional variability of the <i>Lr34</i> durable resistance gene in transgenic wheat. <i>Plant Biotechnology Journal</i> , 2012, 10, 477-487.	8.3	99
51	<i>Lr34</i> multi-pathogen resistance ABC transporter: molecular analysis of homoeologous and orthologous genes in hexaploid wheat and other grass species. <i>Plant Journal</i> , 2011, 65, 392-403.	5.7	79
52	Relationships among the A Genomes of <i>Triticum L.</i> Species as Evidenced by SSR Markers, in Iran. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4309-4325.	4.1	11
53	Gene-specific markers for the wheat gene <i>Lr34/Yr18/Pm38</i> which confers resistance to multiple fungal pathogens. <i>Theoretical and Applied Genetics</i> , 2009, 119, 889-898.	3.6	342
54	Analysis of Intraspecies Diversity in Wheat and Barley Genomes Identifies Breakpoints of Ancient Haplotypes and Provides Insight into the Structure of Diploid and Hexaploid <i>Triticeae</i> Gene Pools. <i>Plant Physiology</i> , 2009, 149, 258-270.	4.8	38

#	ARTICLE	IF	CITATIONS
55	A Putative ABC Transporter Confers Durable Resistance to Multiple Fungal Pathogens in Wheat. <i>Science</i> , 2009, 323, 1360-1363.	12.6	1,140
56	Map-Based Cloning of Genes in Triticeae (Wheat and Barley). , 2009, , 337-357.		33
57	Development of simple sequence repeat markers specific for the Lr34 resistance region of wheat using sequence information from rice and <i>Aegilops tauschii</i> . <i>Theoretical and Applied Genetics</i> , 2006, 113, 1049-1062.	3.6	82
58	Unconventional R proteins in the botanical tribe Triticeae. <i>Essays in Biochemistry</i> , 0, , .	4.7	3