Jacques Le Gouis

List of Publications by Year
in descending order

25 papers	2,159 citations	516215 16 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	3217 citing authors

#	Article	IF	Citations
1	Phenomic selection in wheat breeding: identification and optimisation of factors influencing prediction accuracy and comparison to genomic selection. Theoretical and Applied Genetics, 2022, 135, 895-914.	1.8	20
2	Identification of QTLs affecting post-anthesis heat stress responses in European bread wheat. Theoretical and Applied Genetics, 2022, 135, 947-964.	1.8	8
3	Breeding for Economically and Environmentally Sustainable Wheat Varieties: An Integrated Approach from Genomics to Selection. Biology, 2022, 11, 149.	1.3	5
4	Genetic Analysis of Platform-Phenotyped Root System Architecture of Bread and Durum Wheat in Relation to Agronomic Traits. Frontiers in Plant Science, 2022, 13, 853601.	1.7	8
5	Dissecting Bread Wheat Heterosis through the Integration of Agronomic and Physiological Traits. Biology, 2021, 10, 907.	1.3	6
6	Ancient wheat varieties have a higher ability to interact with plant growthâ€promoting rhizobacteria. Plant, Cell and Environment, 2020, 43, 246-260.	2.8	51
7	Linking genetic maps and simulation to optimize breeding for wheat flowering time in current and future climates. Crop Science, 2020, 60, 678-699.	0.8	20
8	How changes in climate and agricultural practices influenced wheat production in Western Europe. Journal of Cereal Science, 2020, 93, 102960.	1.8	54
9	Combining Crop Growth Modeling With Trait-Assisted Prediction Improved the Prediction of Genotype by Environment Interactions. Frontiers in Plant Science, 2020, 11, 827.	1.7	26
10	Wheat individual grain-size variance originates from crop development and from specific genetic determinism. PLoS ONE, 2020, 15, e0230689.	1.1	17
11	Using environmental clustering to identify specific drought tolerance QTLs in bread wheat (T.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.8	39
12	Whole-genome prediction of reaction norms to environmental stress in bread wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.3	62
13	Different grain-filling rates explain grain-weight differences along the wheat ear. PLoS ONE, 2018, 13, e0209597.	1.1	41
14	Phenomic Selection Is a Low-Cost and High-Throughput Method Based on Indirect Predictions: Proof of Concept on Wheat and Poplar. G3: Genes, Genomes, Genetics, 2018, 8, 3961-3972.	0.8	114
15	Coexpression network and phenotypic analysis identify metabolic pathways associated with the effect of warming on grain yield components in wheat. PLoS ONE, 2018, 13, e0199434.	1.1	18
16	High throughput SNP discovery and genotyping in hexaploid wheat. PLoS ONE, 2018, 13, e0186329.	1.1	200
17	Breeding for increased nitrogenâ€use efficiency: a review for wheat (<i><scp>T</scp>.Âaestivum) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	164
18	Fortune telling: metabolic markers of plant performance. Metabolomics, 2016, 12, 158.	1.4	89

#	Article	IF	Citations
19	Clustering of Environmental Parameters Discriminates Drought and Heat Stress Bread Wheat Trials. Agronomy Journal, 2015, 107, 1489-1503.	0.9	3
20	Predictions of heading date in bread wheat (Triticum aestivum L.) using QTL-based parameters of an ecophysiological model. Journal of Experimental Botany, 2014, 65, 5849-5865.	2.4	74
21	A genome-wide identification of chromosomal regions determining nitrogen use efficiency components in wheat (Triticum aestivum L.). Theoretical and Applied Genetics, 2014, 127, 2679-2693.	1.8	84
22	Structural and functional partitioning of bread wheat chromosome 3B. Science, 2014, 345, 1249721.	6.0	542
23	Deciphering the genetics of flowering time by an association study on candidate genes in bread wheat (Triticum aestivum L.). Theoretical and Applied Genetics, 2011, 123, 907-926.	1.8	58
24	Anthesis date mainly explained correlations between post-anthesis leaf senescence, grain yield, and grain protein concentration in a winter wheat population segregating for flowering time QTLs. Journal of Experimental Botany, 2011, 62, 3621-3636.	2.4	193
25	Deviation from the grain protein concentrationâ€"grain yield negative relationship is highly correlated to post-anthesis N uptake in winter wheat. Journal of Experimental Botany, 2010, 61, 4303-4312.	2.4	263