

# Javier Gil-Humanes

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,942  
citations

331538

21  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2813  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multipurpose Toolkit to Enable Advanced Genome Engineering in Plants. <i>Plant Cell</i> , 2017, 29, 1196-1217.	3.1	469
2	DNA Replicons for Plant Genome Engineering. <i>Plant Cell</i> , 2014, 26, 151-163.	3.1	464
3	Low-gluten, nontransgenic wheat engineered with CRISPR/Cas9. <i>Plant Biotechnology Journal</i> , 2018, 16, 902-910.	4.1	455
4	High-efficiency gene targeting in hexaploid wheat using DNA replicons and CRISPR/Cas9. <i>Plant Journal</i> , 2017, 89, 1251-1262.	2.8	305
5	Effective shutdown in the expression of celiac disease-related wheat gliadin T-cell epitopes by RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17023-17028.	3.3	168
6	Pool of Resistance Mechanisms to Glyphosate in <i>Digitaria insularis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 615-622.	2.4	126
7	Reduced-Gliadin Wheat Bread: An Alternative to the Gluten-Free Diet for Consumers Suffering Gluten-Related Pathologies. <i>PLoS ONE</i> , 2014, 9, e90898.	1.1	93
8	Silencing of $\hat{\Gamma}^3$ -gliadins by RNA interference (RNAi) in bread wheat. <i>Journal of Cereal Science</i> , 2008, 48, 565-568.	1.8	90
9	Genome Engineering and Agriculture: Opportunities and Challenges. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 149, 1-26.	0.9	88
10	Molecular and Immunological Characterization of Gluten Proteins Isolated from Oat Cultivars That Differ in Toxicity for Celiac Disease. <i>PLoS ONE</i> , 2012, 7, e48365.	1.1	81
11	Targeting of prolamins by RNAi in bread wheat: effectiveness of seven silencing fragment combinations for obtaining lines devoid of coeliac disease epitopes from highly immunogenic gliadins. <i>Plant Biotechnology Journal</i> , 2016, 14, 986-996.	4.1	77
12	Down-Regulating $\hat{\Gamma}^3$ -Gliadins in Bread Wheat Leads to Non-Specific Increases in Other Gluten Proteins and Has No Major Effect on Dough Gluten Strength. <i>PLoS ONE</i> , 2011, 6, e24754.	1.1	74
13	Evaluation of the mature grain phytase candidate HvPAPhy_a gene in barley ( <i>Hordeum vulgare</i> L.) using CRISPR/Cas9 and TALENs. <i>Plant Molecular Biology</i> , 2017, 95, 111-121.	2.0	71
14	The Shutdown of Celiac Disease-Related Gliadin Epitopes in Bread Wheat by RNAi Provides Flours with Increased Stability and Better Tolerance to Over-Mixing. <i>PLoS ONE</i> , 2014, 9, e91931.	1.1	65
15	The Introgression of RNAi Silencing of $\hat{\Gamma}^3$ -Gliadins into Commercial Lines of Bread Wheat Changes the Mixing and Technological Properties of the Dough. <i>PLoS ONE</i> , 2012, 7, e45937.	1.1	50
16	Suppression of gliadins results in altered protein body morphology in wheat. <i>Journal of Experimental Botany</i> , 2011, 62, 4203-4213.	2.4	48
17	Significant down-regulation of $\hat{\Gamma}^3$ -gliadins has minor effect on gluten and starch properties of bread wheat. <i>Journal of Cereal Science</i> , 2012, 56, 161-170.	1.8	48
18	Target site mutation and reduced translocation are present in a glyphosate-resistant <i>Lolium multiflorum</i> Lam. biotype from Spain. <i>Plant Physiology and Biochemistry</i> , 2012, 58, 16-22.	2.8	43

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19	Significant differences in coeliac immunotoxicity of barley varieties. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1697-1707.	1.5	35
20	Integration of promoters, inverted repeat sequences and proteomic data into a model for high silencing efficiency of coeliac disease related gliadins in bread wheat. <i>BMC Plant Biology</i> , 2013, 13, 136.	1.6	25
21	First evidence for a target site mutation in the EPSPS2 gene in glyphosate-resistant Sumatran fleabane from citrus orchards. <i>Agronomy for Sustainable Development</i> , 2014, 34, 553-560.	2.2	25
22	MicroRNA Maturation and MicroRNA Target Gene Expression Regulation Are Severely Disrupted in Soybean dicer-like1 Double Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 423-433.	0.8	23
23	Wheat rescued from fungal disease. <i>Nature Biotechnology</i> , 2014, 32, 886-887.	9.4	11
24	Characterization of $\hat{1}^{\pm}/\hat{1}^2$ - and $\hat{1}^3$ -Gliadins in Commercial Varieties and Breeding Lines of Durum Wheat Using MALDI-TOF and A-PAGE Gels. <i>Biochemical Genetics</i> , 2011, 49, 735-747.	0.8	6
25	Genetic Transformation of Wheat: Advances in the Transformation Method and Applications for Obtaining Lines with Improved Bread-Making Quality and Low Toxicity in Relation to Celiac Disease. , 0, , .		2