

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 | Low-gluten, nontransgenic wheat engineered with CRISPR/Cas9. <i>Plant Biotechnology Journal</i> , 2018, 16, 902-910. | 4.1 | 455 |
| 2 | Genome Engineering and Agriculture: Opportunities and Challenges. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 149, 1-26. | 0.9 | 88 |
| 3 | A Multipurpose Toolkit to Enable Advanced Genome Engineering in Plants. <i>Plant Cell</i> , 2017, 29, 1196-1217. | 3.1 | 469 |
| 4 | High-efficiency gene targeting in hexaploid wheat using <i><sc>DNA</sc></i> replicons and <i><sc>CRISPR</sc>/Cas9</i> . <i>Plant Journal</i> , 2017, 89, 1251-1262. | 2.8 | 305 |
| 5 | 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 |
| 6 | 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 |
| 7 | Targeting of prolamins by <i><sc>RNA</sc>i</i> 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 |
| 8 | 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 |
| 9 | DNA Replicons for Plant Genome Engineering. <i>Plant Cell</i> , 2014, 26, 151-163. | 3.1 | 464 |
| 10 | 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 |
| 11 | Wheat rescued from fungal disease. <i>Nature Biotechnology</i> , 2014, 32, 886-887. | 9.4 | 11 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Significant differences in coeliac immunotoxicity of barley varieties. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1697-1707. | 1.5 | 35 |
| 16 | Significant down-regulation of β -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 |
| 17 | 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 |
| 18 | The Introgression of RNAi Silencing of β -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 |

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|----|--|-----|-----------|
| 19 | Molecular and Immunological Characterization of Gluten Proteins Isolated from Oat Cultivars That Differ in Toxicity for Celiac Disease. PLoS ONE, 2012, 7, e48365. | 1.1 | 81 |
| 20 | 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. Biochemical Genetics, 2011, 49, 735-747. | 0.8 | 6 |
| 21 | Suppression of gliadins results in altered protein body morphology in wheat. Journal of Experimental Botany, 2011, 62, 4203-4213. | 2.4 | 48 |
| 22 | Down-Regulating $\hat{1}^3$ -Gliadins in Bread Wheat Leads to Non-Specific Increases in Other Gluten Proteins and Has No Major Effect on Dough Gluten Strength. PLoS ONE, 2011, 6, e24754. | 1.1 | 74 |
| 23 | Effective shutdown in the expression of celiac disease-related wheat gliadin T-cell epitopes by RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17023-17028. | 3.3 | 168 |
| 24 | Silencing of $\hat{1}^3$ -gliadins by RNA interference (RNAi) in bread wheat. Journal of Cereal Science, 2008, 48, 565-568. | 1.8 | 90 |
| 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 |