

# Humberto Prieto

## List of Publications by Year in descending order

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43  
papers

917  
citations

567281

15  
h-index

477307

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prunus genetics and applications after de novo genome sequencing: achievements and prospects. Horticulture Research, 2019, 6, 58.	6.3	121
2	A comparison of the EU regulatory approach to directed mutagenesis with that of other jurisdictions, consequences for international trade and potential steps forward. New Phytologist, 2019, 222, 1673-1684.	7.3	90
3	Luminal calcium regulates calcium release in triads isolated from frog and rabbit skeletal muscle. Biophysical Journal, 1995, 68, 507-515.	0.5	88
4	DNA methylation and small interference RNAs participate in the regulation of MADS-box genes involved in dormancy in sweet cherry ( <i>Prunus avium</i> L.). Tree Physiology, 2017, 37, 1739-1751.	3.1	69
5	ABA Represses the Expression of Cell Cycle Genes and May Modulate the Development of Endodormancy in Grapevine Buds. Frontiers in Plant Science, 2017, 8, 812.	3.6	50
6	Agrobacterium-Mediated Transformation of Tree Fruit Crops: Methods, Progress, and Challenges. Frontiers in Plant Science, 2019, 10, 226.	3.6	48
7	Biochemical and physiological study of the firmness of table grape berries. Postharvest Biology and Technology, 2014, 93, 15-23.	6.0	46
8	Agrobacterium-mediated genetic transformation of <i>Prunus salicina</i> . Plant Cell Reports, 2008, 27, 1333-1340.	5.6	44
9	Genetic Transformation in Peach ( <i>Prunus persica</i> L.): Challenges and Ways Forward. Plants, 2020, 9, 971.	3.5	31
10	Browning in <i>Annona cherimola</i> Fruit: Role of Polyphenol Oxidase and Characterization of a Coding Sequence of the Enzyme. Journal of Agricultural and Food Chemistry, 2007, 55, 9208-9218.	5.2	27
11	Genetically engineered Thompson Seedless grapevine plants designed for fungal tolerance: selection and characterization of the best performing individuals in a field trial. Transgenic Research, 2015, 24, 43-60.	2.4	18
12	Physicochemical Parameters Affecting the Distribution and Diversity of the Water Column Microbial Community in the High-Altitude Andean Lake System of La Brava and La Punta. Microorganisms, 2020, 8, 1181.	3.6	18
13	Comparative Study of Two Table Grape Varieties with Contrasting Texture during Cold Storage. Molecules, 2015, 20, 3667-3680.	3.8	17
14	Trypanosoma cruzi and Toxoplasma gondii Induce a Differential MicroRNA Profile in Human Placental Explants. Frontiers in Immunology, 2020, 11, 595250.	4.8	17
15	Isolation and Molecular Characterization of a Chilean Isolate of Zucchini yellow mosaic virus. Plant Disease, 2001, 85, 644-648.	1.4	16
16	Development of grapevine somatic embryogenesis using an air-lift bioreactor as an efficient tool in the generation of transgenic plants. Journal of Biotechnology, 2009, 139, 95-101.	3.8	16
17	Biological Behavior and Partial Molecular Characterization of Six Chilean Isolates of Plum pox virus. Plant Disease, 2003, 87, 15-20.	1.4	15
18	Differential RNAi responses of <i>Nicotiana benthamiana</i> individuals transformed with a hairpin-inducing construct during Plum pox virus challenge. Virus Genes, 2014, 49, 325-338.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Differential Expression Patterns Within the Grapevine Stilbene Synthase Gene Family Revealed Through Their Regulatory Regions. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 225-238.	1.8	14
20	Temporary immersion systems for the mass propagation of sweet cherry cultivars and cherry rootstocks: development of a micropropagation procedure and effect of culture conditions on plant quality. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 494-504.	2.1	13
21	Silencing of one copy of the translation initiation factor eIFiso4G in Japanese plum ( <i>Prunus salicina</i> ) impacts susceptibility to Plum pox virus (PPV) and small RNA production. <i>BMC Plant Biology</i> , 2019, 19, 440.	3.6	13
22	Molecular characterization of the chalcone isomerase gene family in <i>Deschampsia antarctica</i> . <i>Polar Biology</i> , 2013, 36, 1269-1280.	1.2	12
23	A draft genome sequence of <i>Pseudomonas veronii</i> R4: a grapevine ( <i>Vitis vinifera</i> L.) root-associated strain with high biocontrol potential. <i>Standards in Genomic Sciences</i> , 2016, 11, 76.	1.5	12
24	Outcrossing potential between 11 important genetically modified crops and the Chilean vascular flora. <i>Plant Biotechnology Journal</i> , 2016, 14, 625-637.	8.3	11
25	Synthesis of an artificial <i>Vitis vinifera</i> miRNA 319e using overlapping long primers and its application for gene silencing. <i>Journal of Biotechnology</i> , 2016, 233, 200-210.	3.8	11
26	Antioxidant responses of <i>in vitro</i> shoots of <i>Deschampsia antarctica</i> to Polyethylene glycol treatment. <i>Antarctic Science</i> , 2010, 22, 163-169.	0.9	10
27	Candidate nematocidal proteins in a new <i>Pseudomonas veronii</i> isolate identified by its antagonistic properties against <i>Xiphinema index</i> . <i>Journal of General and Applied Microbiology</i> , 2017, 63, 11-21.	0.7	10
28	CRISPR/Cas9 Targeted Editing of Genes Associated With Fungal Susceptibility in <i>Vitis vinifera</i> L. cv. Thompson Seedless Using Geminivirus-Derived Replicons. <i>Frontiers in Plant Science</i> , 2021, 12, 791030.	3.6	10
29	Effect of Harvest Time and L-Cysteine as an Antioxidant on Flesh Browning of Fresh-Cut Cherimoya ( <i>Annona cherimola</i> Mill.). <i>Chilean Journal of Agricultural Research</i> , 2008, 68, .	1.1	9
30	Genetic Transformation Strategies in Fruit Crops. , 0, , .		9
31	Evaluation of the Resistance of Transgenic C5 Plum ( <i>Prunus domestica</i> L.) against Four Chilean Plum Pox Virus Isolates through Micro-Grafting. <i>Chilean Journal of Agricultural Research</i> , 2010, 70, .	1.1	7
32	Expression of an optimized <i>Argopecten purpuratus</i> antimicrobial peptide in <i>E. coli</i> and evaluation of the purified recombinant protein by <i>in vitro</i> challenges against important plant fungi. <i>Peptides</i> , 2011, 32, 1909-1916.	2.4	6
33	Production of phenolic metabolites by <i>Deschampsia antarctica</i> shoots using UV-B treatments during cultivation in a photobioreactor. <i>Electronic Journal of Biotechnology</i> , 2012, 15, .	2.2	6
34	Editorial: Leeway to Operate With Plant Genetic Resources. <i>Frontiers in Plant Science</i> , 2020, 11, 911.	3.6	4
35	A fast and efficient protocol for small RNA extraction in Japanese plum and other <i>Prunus</i> species. <i>Electronic Journal of Biotechnology</i> , 2017, 30, 103-109.	2.2	3
36	A Traceable DNA-Replicon Derived Vector to Speed Up Gene Editing in Potato: Interrupting Genes Related to Undesirable Postharvest Tuber Traits as an Example. <i>Plants</i> , 2021, 10, 1882.	3.5	3

#	ARTICLE	IF	CITATIONS
37	Use of <i>S</i> -alleles and microsatellite genotyping for parental identification and to verify interspecific hybridization in a Chilean <i>Prunus</i> rootstock breeding program. <i>Acta Horticulturae</i> , 2017, , 339-344.	0.2	2
38	Gene Editing in <i>Prunus</i> Spp.: The Challenge of Adapting Regular Gene Transfer Procedures for Precision Breeding. , 0, , .		2
39	Citrus limon seedlings without functional chloroplasts are unable to induce phenylalanine ammonia-lyase in response to inoculation with <i>Alternaria alternata</i> . <i>Journal of Plant Physiology</i> , 1997, 150, 645-651.	3.5	1
40	An Internet-based platform for the estimation of outcrossing potential between cultivated and Chilean vascular plants. <i>Ecology and Evolution</i> , 2017, 7, 2480-2488.	1.9	1
41	Grape Biotechnology: Past, Present, and Future. <i>Compendium of Plant Genomes</i> , 2019, , 349-367.	0.5	1
42	Producción de Ácido indol-3-acético por <i>Pseudomonas veronii</i> R4 y formación de raíces en hojas de vid <i>Thompson seedless</i> in vitro. <i>Ciencia Y Tecnología</i> , 2016, 9, 31-36.	0.1	1
43	Title is missing!. , 0, , .		0