

Oscar Riera-Lizarazu

List of Publications by Year in descending order

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57
papers

2,974
citations

218677

26
h-index

168389

53
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57
all docs

57
docs citations

57
times ranked

3044
citing authors

#	ARTICLE	IF	CITATIONS
1	Population genomic and genome-wide association studies of agroclimatic traits in sorghum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 453-458.	7.1	743
2	Molecular mapping of the Oregon Wolfe Barleys: a phenotypically polymorphic doubled-haploid population. <i>Theoretical and Applied Genetics</i> , 2001, 103, 415-424.	3.6	161
3	Identification and mapping of genetic loci affecting the free-threshing habit and spike compactness in wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2004, 108, 261-273.	3.6	135
4	Cytological and molecular characterization of oat x maize partial hybrids. <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 123-135.	3.6	131
5	A Complete Set of Maize Individual Chromosome Additions to the Oat Genome. <i>Plant Physiology</i> , 2001, 125, 1216-1227.	4.8	114
6	Development and characterization of recombinant chromosome substitution lines (RCSLs) using <i>Hordeum vulgare</i> subsp. <i>spontanum</i> as a source of donor alleles in a <i>Hordeum vulgare</i> subsp. <i>vulgare</i> background. <i>Genome</i> , 2003, 46, 1010-1023.	2.0	112
7	Genetic analysis of adult plant, quantitative resistance to stripe rust in wheat cultivar "Stephens"™ in multi-environment trials. <i>Theoretical and Applied Genetics</i> , 2012, 124, 1-11.	3.6	109
8	Production and Characterization of Maize Chromosome 9 Radiation Hybrids Derived From an Oat-Maize Addition Line. <i>Genetics</i> , 2000, 156, 327-339.	2.9	109
9	Mapping the compactum locus in wheat (<i>Triticum aestivum</i> L.) and its relationship to other spike morphology genes of the Triticeae. <i>Euphytica</i> , 2008, 163, 193-201.	1.2	106
10	Map-based analysis of genes affecting the brittle rachis character in tetraploid wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 38	3.6	105
11	Oat "maize chromosome addition lines: A new system for mapping the maize genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3524-3529.	7.1	96
12	Pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.] consensus linkage map constructed using four RIL mapping populations and newly developed EST-SSRs. <i>BMC Genomics</i> , 2013, 14, 159.	2.8	94
13	Chromosome pairing relationships among the A, B, and D genomes of bread wheat. <i>Theoretical and Applied Genetics</i> , 1991, 82, 441-449.	3.6	72
14	Single Nucleotide Polymorphism Genotyping for Breeding and Genetics Applications in Chickpea and Pigeonpea using the BeadXpress Platform. <i>Plant Genome</i> , 2013, 6, plantgenome2013.05.0017.	2.8	55
15	High-Resolution Radiation Hybrid Map of Wheat Chromosome 1D. <i>Genetics</i> , 2006, 173, 1089-1099.	2.9	52
16	Integrated physical, genetic and genome map of chickpea (<i>Cicer arietinum</i> L.). <i>Functional and Integrative Genomics</i> , 2014, 14, 59-73.	3.5	49
17	Polyhaploid Production in the Triticeae: Wheat × <i>Tripsacum</i> Crosses. <i>Crop Science</i> , 1993, 33, 973-976.	1.8	44
18	Comparative Histology of Cell Walls during Meiotic and Apomeiotic Megasporogenesis in Two Hexaploid Australasian <i>Elymus</i> Species. <i>Crop Science</i> , 1991, 31, 1527-1532.	1.8	43

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19	Identification of a candidate gene for the wheat endopeptidase Ep-D1 locus and two other STS markers linked to the eyespot resistance gene Pch1. <i>Theoretical and Applied Genetics</i> , 2008, 116, 261-270.	3.6	42
20	Map-based analysis of genetic loci on chromosome 2D that affect glume tenacity and threshability, components of the free-threshing habit in common wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2007, 116, 135-145.	3.6	41
21	Radiation Hybrid Mapping of the Species Cytoplasm-Specific (<i>scsae</i>) Gene in Wheat. <i>Genetics</i> , 2004, 168, 415-423.	2.9	38
22	Cytological and molecular characterization of oat \times 1/2maize partial hybrids. <i>Theoretical and Applied Genetics</i> , 1996, 93, 123-135.	3.6	38
23	Flow cytometric sorting of maize chromosome 9 from an oat-maize chromosome addition line. <i>Theoretical and Applied Genetics</i> , 2001, 102, 658-663.	3.6	37
24	Identification of genetic factors controlling kernel hardness and related traits in a recombinant inbred population derived from a soft \times extra-soft \times wheat (<i>Triticum aestivum</i> L.) cross. <i>Theoretical and Applied Genetics</i> , 2012, 124, 207-221.	3.6	35
25	Evolving Molecular Marker Technologies in Plants: From RFLPs to GBS. , 2013, , 229-247.		35
26	Jointed Goatgrass (<i>Aegilops cylindrica</i> Host) \times Wheat (<i>Triticum aestivum</i> L.) Hybrids. <i>Crop Science</i> , 2002, 42, 1863-1872.	1.8	30
27	Oat haploids from anther culture and from wide hybridizations. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1997, , 205-221.	0.0	27
28	Agronomic performance of lines derived from anther culture, maize pollination and single-seed descent in a spring wheat cross. <i>Theoretical and Applied Genetics</i> , 1999, 99, 432-436.	3.6	25
29	Chloroplast and nuclear microsatellite analysis of <i>Aegilops cylindrica</i> . <i>Theoretical and Applied Genetics</i> , 2005, 111, 561-572.	3.6	25
30	A whole-genome, radiation hybrid mapping resource of hexaploid wheat. <i>Plant Journal</i> , 2016, 86, 195-207.	5.7	23
31	Hybridization between wheat and jointed goatgrass (<i>Aegilops cylindrica</i>) under field conditions. <i>Weed Science</i> , 2006, 54, 1073-1079.	1.5	21
32	Endosperm Tolerance of Paternal Aneuploidy Allows Radiation Hybrid Mapping of the Wheat D-Genome and a Measure of γ Ray-Induced Chromosome Breaks. <i>PLoS ONE</i> , 2012, 7, e48815.	2.5	20
33	Molecular cytogenetic characterization of an alloplasmic durum wheat line with a portion of chromosome 1D of <i>Triticum aestivum</i> carrying the <i>scsae</i> gene. <i>Genome</i> , 2004, 47, 206-214.	2.0	14
34	Marker-Assessed Retention of Wheat Chromatin in Wheat (<i>Triticum aestivum</i>) by Jointed Goatgrass (<i>Aegilops cylindrica</i>) Hybrids. <i>Theoretical and Applied Genetics</i> , 2007, 116, 135-145.	1.8	13
35	A Method to Produce Radiation Hybrids for the D-Genome Chromosomes of Wheat (<i>Triticum aestivum</i>) by Jointed Goatgrass (<i>Aegilops cylindrica</i>) Hybrids. <i>Theoretical and Applied Genetics</i> , 2007, 116, 135-145.	1.1	13
36	Quantitative trait loci analysis for resistance to <i>Cephalosporium</i> stripe, a vascular wilt disease of wheat. <i>Theoretical and Applied Genetics</i> , 2011, 122, 1339-1349.	3.6	13

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37	Marker-trait association analysis of kernel hardness and related agronomic traits in a core collection of wheat lines. <i>Molecular Breeding</i> , 2014, 34, 177.	2.1	13
38	Introgression of a Strawbreaker Foot Rot Resistance Gene from Winter Wheat into Jointed Goatgrass. <i>Crop Science</i> , 2006, 46, 2155-2160.	1.8	12
39	Radiation hybrid (RH) and HAPPY mapping in plants. <i>Cytogenetic and Genome Research</i> , 2008, 120, 233-240.	1.1	12
40	Registration of the OS9XQ36 Mapping Population of Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Registrations</i> , 2010, 4, 98-104.	0.5	12
41	Development of a Set of Chromosome Segment Substitution Lines in Pearl Millet [<i>Pennisetum glaucum</i> (L.) R. Br.]. <i>Crop Science</i> , 2014, 54, 2175-2182.	1.8	12
42	Polyhaploid production in the Triticeae by sexual hybridization. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1996, , 275-296.	0.0	12
43	Development and Use of Oat-Maize Chromosome Additions and Radiation Hybrids. <i>Methods in Molecular Biology</i> , 2011, 701, 259-284.	0.9	10
44	Identification of QTLs for Reduced Susceptibility to Rose Rosette Disease in Diploid Roses. <i>Pathogens</i> , 2022, 11, 660.	2.8	9
45	Sensitivity of Wheat Genotypes to a Toxic Fraction Produced by <i>Cephalosporium gramineum</i> and Correlation with Disease Susceptibility. <i>Phytopathology</i> , 2001, 91, 702-707.	2.2	8
46	Genetic structure of <i>Aegilops cylindrica</i> Host in its native range and in the United States of America. <i>Theoretical and Applied Genetics</i> , 2009, 119, 1013-1025.	3.6	8
47	Chapter 6 Radiation Hybrid Mapping in Crop Plants. <i>Advances in Agronomy</i> , 2009, 102, 201-222.	5.2	8
48	Maize Centromere Mapping: A Comparison of Physical and Genetic Strategies. <i>Journal of Heredity</i> , 2008, 99, 85-93.	2.4	7
49	Transmission of maize chromosome 9 rearrangements in oat-maize radiation hybrids. <i>Genome</i> , 2004, 47, 1202-1210.	2.0	6
50	PLOIDY LEVELS OF COLD-HARDY ACTINIDIA ACCESSIONS IN THE UNITED STATES DETERMINED BY FLOW CYTOMETRY. <i>Acta Horticulturae</i> , 2007, , 161-168.	0.2	5
51	The cytogenetics of a <i>Triticum turgidum</i> x <i>Psathyrostachys juncea</i> hybrid and its backcross derivatives. <i>Theoretical and Applied Genetics</i> , 1995, 90, 430-437.	3.6	4
52	Mutagenesis and High-Throughput Functional Genomics in Cereal Crops: Current Status. <i>Advances in Agronomy</i> , 2008, 98, 357-414.	5.2	4
53	High-resolution mapping of the Mov-1 locus in wheat by combining radiation hybrid (RH) and recombination-based mapping approaches. <i>Theoretical and Applied Genetics</i> , 2021, 134, 2303-2314.	3.6	4
54	Gibberellic Acid and 2,4-D Treatments for Wheat-Barley Hybridization Using Detached Spikes. <i>Crop Science</i> , 1992, 32, 108-114.	1.8	4

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55	VIEWpoly: a visualization tool to integrate and explore results of polyploid genetic analysis. Journal of Open Source Software, 2022, 7, 4242.	4.6	2
56	A compilation of molecular genetic maps of cultivated plants. Advances in Cellular and Molecular Biology of Plants, 2001, , 463-497.	0.2	1
57	Genetic Enhancement of Maize by Cytogenetic Manipulation, and Breeding for Yield, Stress Tolerance, and High Protein Quality. Genetic Resources, Chromosome Engineering, and Crop Improvement Series, 2006, , 159-197.	0.3	1