

Vincent Segura

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,436
citations

279798

23
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

5162
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient multi-locus mixed-model approach for genome-wide association studies in structured populations. <i>Nature Genetics</i> , 2012, 44, 825-830.	21.4	884
2	A mixed-model approach for genome-wide association studies of correlated traits in structured populations. <i>Nature Genetics</i> , 2012, 44, 1066-1071.	21.4	380
3	The Genetic Map of <i>Artemisia annua</i> L. Identifies Loci Affecting Yield of the Antimalarial Drug Artemisinin. <i>Science</i> , 2010, 327, 328-331.	12.6	325
4	Genome-Wide Association in Tomato Reveals 44 Candidate Loci for Fruit Metabolic Traits. <i>Plant Physiology</i> , 2014, 165, 1120-1132.	4.8	187
5	LAMINA: a tool for rapid quantification of leaf size and shape parameters. <i>BMC Plant Biology</i> , 2008, 8, 82.	3.6	181
6	GWAPP: A Web Application for Genome-Wide Association Mapping in Arabidopsis. <i>Plant Cell</i> , 2013, 24, 4793-4805.	6.6	162
7	Transposon-induced gene activation as a mechanism generating cluster shape somatic variation in grapevine. <i>Plant Journal</i> , 2010, 61, 545-557.	5.7	116
8	Phenomic Selection Is a Low-Cost and High-Throughput Method Based on Indirect Predictions: Proof of Concept on Wheat and Poplar. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3961-3972.	1.8	114
9	Forest tree genomics: 10 achievements from the past 10 years and future prospects. <i>Annals of Forest Science</i> , 2016, 73, 77-103.	2.0	91
10	Linkage Disequilibrium with Linkage Analysis of Multiline Crosses Reveals Different Multiallelic QTL for Hybrid Performance in the Flint and Dent Heterotic Groups of Maize. <i>Genetics</i> , 2014, 198, 1717-1734.	2.9	89
11	Dissecting apple tree architecture into genetic, ontogenetic and environmental effects: mixed linear modelling of repeated spatial and temporal measures. <i>New Phytologist</i> , 2008, 178, 302-314.	7.3	76
12	Association mapping reveals the genetic architecture of tomato response to water deficit: focus on major fruit quality traits. <i>Journal of Experimental Botany</i> , 2016, 67, 6413-6430.	4.8	65
13	Identification of major loci and genomic regions controlling acid and volatile content in tomato fruit: implications for flavor improvement. <i>New Phytologist</i> , 2017, 215, 624-641.	7.3	65
14	Wide range QTL analysis for complex architectural traits in a 1-year-old apple progeny. <i>Genome</i> , 2007, 50, 159-171.	2.0	61
15	The Use of Combining Ability Analysis to Identify Elite Parents for <i>Artemisia annua</i> F1 Hybrid Production. <i>PLoS ONE</i> , 2013, 8, e61989.	2.5	56
16	Changes in the epigenome and transcriptome of the poplar shoot apical meristem in response to water availability affect preferentially hormone pathways. <i>Journal of Experimental Botany</i> , 2018, 69, 537-551.	4.8	52
17	Winter-dormant shoot apical meristem in poplar trees shows environmental epigenetic memory. <i>Journal of Experimental Botany</i> , 2018, 69, 4821-4837.	4.8	52
18	Dissecting apple tree architecture into genetic, ontogenetic and environmental effects: QTL mapping. <i>Tree Genetics and Genomes</i> , 2009, 5, 165-179.	1.6	48

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19	New resources for genetic studies in <i>Populus nigra</i> : genome-wide SNP discovery and development of a 12k Infinium array. <i>Molecular Ecology Resources</i> , 2016, 16, 1023-1036.	4.8	48
20	Phenotyping progenies for complex architectural traits: a strategy for 1-year-old apple trees (<i>Malus x</i>). <i>Tree Genetics and Genomes</i> , 2018, 14, 187-197.	1.8	39
21	Epigenetics in Forest Trees. <i>Advances in Botanical Research</i> , 2018, 88, 387-453.	1.1	37
22	Genome-Wide Prediction Methods in Highly Diverse and Heterozygous Species: Proof-of-Concept through Simulation in Grapevine. <i>PLoS ONE</i> , 2014, 9, e110436.	2.5	37
23	RNAi suppression of DNA methylation affects the drought stress response and genome integrity in transgenic poplar. <i>New Phytologist</i> , 2021, 232, 80-97.	7.3	31
24	Near-infrared spectroscopy enables the genetic analysis of chemical properties in a large set of wood samples from <i>Populus nigra</i> (L.) natural populations. <i>Industrial Crops and Products</i> , 2017, 107, 159-171.	5.2	30
25	Accuracy of RNAseq based SNP discovery and genotyping in <i>Populus nigra</i> . <i>BMC Genomics</i> , 2018, 19, 909.	2.8	27
26	Gene expression predictions and networks in natural populations supports the omnigenic theory. <i>BMC Genomics</i> , 2020, 21, 416.	2.8	26
27	Native-source climate determines the Douglas-fir potential of adaptation to drought. <i>Forest Ecology and Management</i> , 2019, 444, 9-20.	3.2	24
28	Favorable Conditions for Genomic Evaluation to Outperform Classical Pedigree Evaluation Highlighted by a Proof-of-Concept Study in Poplar. <i>Frontiers in Plant Science</i> , 2020, 11, 581954.	3.6	18
29	Narrow-sense heritability and PST estimates of DNA methylation in three <i>Populus nigra</i> L. populations under contrasting water availability. <i>Tree Genetics and Genomes</i> , 2018, 14, 1.	1.6	15
30	Phenomic Selection: A New and Efficient Alternative to Genomic Selection. <i>Methods in Molecular Biology</i> , 2022, 2467, 397-420.	0.9	13
31	QTL ANALYSIS FOR LEAF GAS EXCHANGE IN AN APPLE PROGENY GROWN UNDER ATMOSPHERIC CONSTRAINTS. <i>Acta Horticulturae</i> , 2009, , 369-374.	0.2	10
32	Comparison of tree architecture using tree edit distances: application to 2-year-old apple hybrids. <i>Euphytica</i> , 2008, 161, 155-164.	1.2	9
33	PHENOTYPING APPLE PROGENY FOR ECOPHYSIOLOGICAL TRAITS: HOW AND WHAT FOR?. <i>Acta Horticulturae</i> , 2008, , 151-158.	0.2	9
34	Across-population genomic prediction in grapevine opens up promising prospects for breeding. <i>Horticulture Research</i> , 2022, 9, .	6.3	9
35	Genomic Signatures of a Major Adaptive Event in the Pathogenic Fungus <i>Melampsora larici-populina</i> . <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	9
36	The effect of genotype, location and their interaction on early growth and branching in apricot trees. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 189-198.	1.9	7

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37	Annealing of magnetic nanoparticles for their encapsulation into microcarriers guided by vascular magnetic resonance navigation. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	6
38	Tree architecture, light interception and water-use related traits are controlled by different genomic regions in an apple tree core collection. <i>New Phytologist</i> , 2022, 234, 209-226.	7.3	5
39	Prediction of Stilbene Content from Heartwood Increment Cores of Scots Pine Using near Infrared Spectroscopy Methodology. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 517-528.	1.5	4
40	Assessment of resistance to xylem cavitation in cordilleran cypress using near-infrared spectroscopy. <i>Forest Ecology and Management</i> , 2020, 462, 117943.	3.2	3
41	eQTLs are key players in the integration of genomic and transcriptomic data for phenotype prediction. <i>BMC Genomics</i> , 2022, 23, .	2.8	3
42	EXPLORING THE GENETIC DETERMINISMS OF ARCHITECTURAL AND FUNCTIONAL TRAITS IN AN APPLE PROGENY. <i>Acta Horticulturae</i> , 2009, , 311-318.	0.2	2
43	GENETIC ANALYSIS AND QTL DETECTION FOR BIENNIAL BEARING IN APPLE. <i>Acta Horticulturae</i> , 2012, , 65-72.	0.2	1
44	QTL ANALYSIS FOR GROWTH AND BRANCHING TRAITS ANNUALLY ASSESSED ALONG THE TRUNK OF THREE-YEAR-OLD APPLE HYBRIDS. <i>Acta Horticulturae</i> , 2009, , 669-674.	0.2	1