Jason P Londo

List of Publications by Year in descending order

54 papers	2,943 citations	279487 23 h-index	182168 51 g-index
65 all docs	65 docs citations	65 times ranked	3048 citing authors

#	Article	IF	Citations
1	Phylogeography of Asian wild rice, Oryza rufipogon, reveals multiple independent domestications of cultivated rice, Oryza sativa. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9578-9583.	3.3	640
2	Rootstocks: Diversity, Domestication, and Impacts on Shoot Phenotypes. Trends in Plant Science, 2016, 21, 418-437.	4.3	328
3	Origins and population genetics of weedy red rice in the USA. Molecular Ecology, 2007, 16, 4523-4535.	2.0	167
4	Genome-wide identification of WRKY family genes and their response to cold stress in Vitis vinifera. BMC Plant Biology, 2014, 14, 103.	1.6	165
5	Heterozygous Mapping Strategy (HetMappS) for High Resolution Genotyping-By-Sequencing Markers: A Case Study in Grapevine. PLoS ONE, 2015, 10, e0134880.	1.1	120
6	Latent developmental and evolutionary shapes embedded within the grapevine leaf. New Phytologist, 2016, 210, 343-355.	3.5	112
7	Climate and Developmental Plasticity: Interannual Variability in Grapevine Leaf Morphology. Plant Physiology, 2016, 170, 1480-1491.	2.3	96
8	Genome Wide Transcriptional Profile Analysis of Vitis amurensis and Vitis vinifera in Response to Cold Stress. PLoS ONE, 2013, 8, e58740.	1.1	96
9	A next-generation marker genotyping platform (AmpSeq) in heterozygous crops: a case study for marker-assisted selection in grapevine. Horticulture Research, 2016, 3, 16002.	2.9	90
10	The Establishment of Genetically Engineered Canola Populations in the U.S.. PLoS ONE, 2011, 6, e25736.	1.1	85
11	Glyphosate drift promotes changes in fitness and transgene gene flow in canola (Brassica napus) and hybrids. Annals of Botany, 2010, 106, 957-965.	1.4	63
12	Variation in the chilling requirement and budburst rate of wild Vitis species. Environmental and Experimental Botany, 2014, 106, 138-147.	2.0	63
13	Topological Data Analysis as a Morphometric Method: Using Persistent Homology to Demarcate a Leaf Morphospace. Frontiers in Plant Science, 2018, 9, 553.	1.7	62
14	Divergence in the transcriptional landscape between low temperature and freeze shock in cultivated grapevine (Vitis vinifera). Horticulture Research, 2018, 5, 10.	2.9	60
15	Haplotyping the Vitis collinear core genome with rhAmpSeq improves marker transferability in a diverse genus. Nature Communications, 2020, 11, 413.	5.8	52
16	Highâ€throughput sequencing data clarify evolutionary relationships among North American Vitis species and improve identification in <scp>USDA </scp>Vitis germplasm collections. American Journal of Botany, 2018, 105, 215-226.	0.8	45
17	Characterization of Wild North American Grapevine Cold Hardiness Using Differential Thermal Analysis. American Journal of Enology and Viticulture, 2017, 68, 203-212.	0.9	43
18	Next Generation Mapping of Enological Traits in an F2 Interspecific Grapevine Hybrid Family. PLoS ONE, 2016, 11, e0149560.	1.1	40

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19	Quantitative Trait Locus Analysis of Leaf Morphology Indicates Conserved Shape Loci in Grapevine. Frontiers in Plant Science, 2019, 10, 1373.	1.7	39
20	Rootstock effects on scion phenotypes in a â€˜Chambourcinâ€™ experimental vineyard. Horticulture Research, 2019, 6, 64.	2.9	37
21	Changes in constructedBrassicacommunities treated with glyphosate drift. , 2011, 21, 525-538.		35
22	Towards an open grapevine information system. Horticulture Research, 2016, 3, 16056.	2.9	34
23	Multiple independent recombinations led to hermaphroditism in grapevine. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
24	Glyphosateâ€drift but not herbivory alters the rate of transgene flow from single and stacked trait transgenic canola (Brassica napus) to nontransgenic B. napus and B. rapa. New Phytologist, 2011, 191, 840-849.	3.5	31
25	Deacclimation kinetics as a quantitative phenotype for delineating the dormancy transition and thermal efficiency for budbreak in Vitis species. AoB PLANTS, 2018, 10, ply066.	1.2	29
26	Composite modeling of leaf shape along shoots discriminates Vitis species better than individual leaves. Applications in Plant Sciences, 2020, 8, e11404.	0.8	29
27	Characterizing 3D inflorescence architecture in grapevine using X-ray imaging and advanced morphometrics: implications for understanding cluster density. Journal of Experimental Botany, 2019, 70, 6261-6276.	2.4	28
28	Veinâ€toâ€blade ratio is an allometric indicator of leaf size and plasticity. American Journal of Botany, 2021, 108, 571-579.	0.8	28
29	Tempo of gene regulation in wild and cultivated Vitis species shows coordination between cold deacclimation and budbreak. Plant Science, 2019, 287, 110178.	1.7	27
30	Changes in fitness-associated traits due to the stacking of transgenic glyphosate resistance and insect resistance in Brassica napus L.. Heredity, 2011, 107, 328-337.	1.2	23
31	Sub-lethal glyphosate exposure alters flowering phenology and causes transient male-sterility in Brassica spp. BMC Plant Biology, 2014, 14, 70.	1.6	22
32	Deconstructing cold hardiness: variation in supercooling ability and chilling requirements in the wild grapevineVitis riparia. Australian Journal of Grape and Wine Research, 2019, 25, 276-285.	1.0	20
33	Draft genome of the Native American cold hardy grapevine Vitis riparia Michx. â€˜Manitoba 37â€™. Horticulture Research, 2020, 7, 92.	2.9	18
34	RNA-seq-based genome annotation and identification of long-noncoding RNAs in the grapevine cultivar â€˜Rieslingâ€™. BMC Genomics, 2017, 18, 937.	1.2	15
35	A Novel Grape Downy Mildew Resistance Locus fromVitis rupestris. American Journal of Enology and Viticulture, 2021, 72, 12-20.	0.9	15
36	GENOTYPE DIVERSITY OF SALSOLA TRAGUS AND POTENTIAL ORIGINS OF A PREVIOUSLY UNIDENTIFIED INVASIVE SALSOLA FROM CALIFORNIA AND ARIZONA. MadroÃ±o, 2006, 53, 244-251.	0.3	14

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37	Cold Stress-Induced Disease Resistance (SIDR): indirect effects of low temperatures on host-pathogen interactions and disease progress in the grapevine powdery mildew pathosystem. European Journal of Plant Pathology, 2016, 144, 695-705.	0.8	12
38	An integrative AmpSeq platform for highly multiplexed marker-assisted pyramiding of grapevine powdery mildew resistance loci. Molecular Breeding, 2017, 37, 1.	1.0	12
39	A key â€˜foxyâ€™ aroma gene is regulated by homology-induced promoter indels in the iconic juice grape â€˜Concordâ€™. Horticulture Research, 2020, 7, 67.	2.9	12
40	Assessment of Freeze Injury of Grapevine Green Tissues in Response to Cultivars and a Cryoprotectant Product. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 856-860.	0.5	12
41	Population Structure of Vitis rupestris, an Important Resource for Viticulture. American Journal of Enology and Viticulture, 2015, 66, 403-410.	0.9	11
42	X-ray phase contrast imaging of Vitis spp. buds shows freezing pattern and correlation between volume and cold hardiness. Scientific Reports, 2019, 9, 14949.	1.6	11
43	Multi-dimensional leaf phenotypes reflect root system genotype in grafted grapevine over the growing season. GigaScience, 2021, 10, .	3.3	11
44	Water deficit severity during berry development alters timing of dormancy transitions in wine grape cultivar Malbec. Scientia Horticulturae, 2018, 232, 226-230.	1.7	9
45	Benefits of Transgenic Insect Resistance in Brassica Hybrids under Selection. Agronomy, 2015, 5, 21-34.	1.3	6
46	Berry Anthocyanin, Acid, and Volatile Trait Analyses in a Grapevine-Interspecific F2 Population Using an Integrated GBS and rhAmpSeq Genetic Map. Plants, 2022, 11, 696.	1.6	5
47	Diallelic Nuclear Microsatellites for Diversity and Population Analyses of the Allotetraploid Creeping Bentgrass (Agrostis stolonifera). Crop Science, 2011, 51, 747-758.	0.8	4
48	Identification of SNPs associated with magnesium and sodium uptake and the effect of their accumulation on micro and macro nutrient levels inVitis vinifera. PeerJ, 2021, 9, e10773.	0.9	3
49	From Phenotyping to Phenomics: Present and Future Approaches in Grape Trait Analysis to Inform Grape Gene Function. Compendium of Plant Genomes, 2019, , 199-222.	0.3	3
50	Candidate resistance genes to foliar phylloxera identified at Rdv3 of hybrid grape. Horticulture Research, 2022, 9, .	2.9	3
51	Toward the elucidation of cytoplasmic diversity in North American grape breeding programs. Molecular Breeding, 2016, 36, 1.	1.0	1
52	Phenological diversity in wild and hybrid grapes (Vitis) from the USDA-ARS cold-hardy grape collection. Scientific Reports, 2021, 11, 24292.	1.6	1
53	Transcriptomic analysis of grapevine in response to ABA application reveals its diverse regulations during cold acclimation and deacclimation. Fruit Research, 2022, 2, 1-12.	0.9	0
54	Tannin phenotyping of the Vitaceae reveals a phylogenetic linkage of epigallocatechin in berries and leaves. Annals of Botany, 0, , .	1.4	0