

Karen R Harris-Shultz

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,098
citations

566801

15
h-index

454577

30
g-index

61
all docs

61
docs citations

61
times ranked

1318
citing authors

#	ARTICLE	IF	CITATIONS
1	Pearl millet genome sequence provides a resource to improve agronomic traits in arid environments. <i>Nature Biotechnology</i> , 2017, 35, 969-976.	9.4	356
2	The Dynamic Changes of the Plasma Membrane Proteins and the Protective Roles of Nitric Oxide in Rice Subjected to Heavy Metal Cadmium Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 190.	1.7	66
3	Exogenous melatonin improves cotton (<i>Gossypium hirsutum</i> L.) pollen fertility under drought by regulating carbohydrate metabolism in male tissues. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 579-588.	2.8	54
4	A major QTL associated with <i>Fusarium oxysporum</i> race 1 resistance identified in genetic populations derived from closely related watermelon lines using selective genotyping and genotyping-by-sequencing for SNP discovery. <i>Theoretical and Applied Genetics</i> , 2014, 127, 2105-2115.	1.8	53
5	Microsatellite Markers Reveal a Predominant Sugarcane Aphid (Homoptera: Aphididae) Clone is Found on Sorghum in Seven States and One Territory of the USA. <i>Crop Science</i> , 2017, 57, 2064-2072.	0.8	41
6	Surveying the genome and constructing a high-density genetic map of napiergrass (<i>Cenchrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.6	32
7	Molecular evolution of the plant ECERIFERUM1 and ECERIFERUM3 genes involved in aliphatic hydrocarbon production. <i>Computational Biology and Chemistry</i> , 2019, 80, 1-9.	1.1	26
8	Development, Linkage Mapping, and Use of Microsatellites in Bermudagrass. <i>Journal of the American Society for Horticultural Science</i> , 2010, 135, 511-520.	0.5	26
9	Genetic Relationships in <i>Zoysia</i> Species and the Identification of Putative Interspecific Hybrids Using Simple Sequence Repeat Markers and Inflorescence Traits. <i>Crop Science</i> , 2013, 53, 285-295.	0.8	24
10	Carbon Monoxide Interacts with Auxin and Nitric Oxide to Cope with Iron Deficiency in Arabidopsis. <i>Frontiers in Plant Science</i> , 2016, 7, 112.	1.7	23
11	Assessment of Genetic Diversity in Napier Grass (<i>Pennisetum purpureum</i> Schum.) using Microsatellite, Single-Nucleotide Polymorphism and Insertion-Deletion Markers from Pearl Millet (<i>Pennisetum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	22
12	Phylogenetic analysis reveals multiple introductions of <i>Cynodon</i> species in Australia. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 390-396.	1.2	21
13	DNA Polymorphisms at Bermudagrass Microsatellite Loci and Their Use in Genotype Fingerprinting. <i>Crop Science</i> , 2011, 51, 1122-1131.	0.8	20
14	Analysis of genetic diversity and population structure of peanut cultivars and breeding lines from China, India and the US using simple sequence repeat markers. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 452-465.	4.1	18
15	Genetic and phenotypic diversity of <i>Fusarium oxysporum</i> f. sp. <i>niveum</i> populations from watermelon in the southeastern United States. <i>PLoS ONE</i> , 2019, 14, e0219821.	1.1	18
16	Identification of Simple Sequence Repeat Markers that Differentiate Bermudagrass Cultivars Derived from 'Tifgreen'. <i>Journal of the American Society for Horticultural Science</i> , 2011, 136, 211-218.	0.5	18
17	Chemical Analysis of Fermentable Sugars and Secondary Products in 23 Sweet Sorghum Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7629-7637.	2.4	15
18	Mapping QTLs and Identification of Genes Associated with Drought Resistance in Sorghum. <i>Methods in Molecular Biology</i> , 2019, 1931, 11-40.	0.4	15

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19	The Genes <i>Bm2</i> and <i>Blmc</i> that Affect Epicuticular Wax Deposition in Sorghum are Allelic. <i>Crop Science</i> , 2017, 57, 1552-1556.	0.8	13
20	Use of sequence-related amplified polymorphism (SRAP) markers for comparing levels of genetic diversity in centipedegrass (<i>Eremochloa ophiuroides</i> (Munro) Hack.) germplasm. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 1517-1526.	0.8	12
21	Electrochemical Evaluation of Sweet Sorghum Fermentable Sugar Bioenergy Feedstock. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7352-7364.	3.2	12
22	Development of Simple Sequence Repeat Markers and the Analysis of Genetic Diversity and Ploidy Level in a Centipedegrass Collection. <i>Crop Science</i> , 2012, 52, 383-392.	0.8	11
23	Population Structure and Genetic Diversity of <i>Phytophthora nicotianae</i> from Tobacco in Georgia. <i>Plant Disease</i> , 2017, 101, 1113-1118.	0.7	11
24	A Sugarcane Aphid "Superclone" Predominates on Sorghum and Johnsongrass from Four US States. <i>Crop Science</i> , 2018, 58, 2533-2541.	0.8	11
25	Transferability of SSR and RGA Markers Developed in <i>Cynodon</i> spp. to <i>Zoysia</i> spp.. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 1264-1269.	1.0	10
26	Stand Maintenance and Genetic Diversity of Bermudagrass Pastures under Different Grazing Management Strategies during a 38-Year Period. <i>Crop Science</i> , 2011, 51, 2886-2894.	0.8	9
27	Inheritance and Identification of a Major Quantitative Trait Locus (QTL) that Confers Resistance to <i>Meloidogyne incognita</i> and a Novel QTL for Plant Height in Sweet Sorghum. <i>Phytopathology</i> , 2015, 105, 1522-1528.	1.1	9
28	Identification of fungal pathogens and analysis of genetic diversity of <i>Fusarium tricinctum</i> causing root rots of alfalfa in north-east China. <i>Plant Pathology</i> , 2021, 70, 804-814.	1.2	9
29	Development and Characterization of Microsatellite Markers for a Little Bluestem Collection. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 78-87.	0.5	9
30	Creation of Hexaploid and Octaploid Zoysiagrass Using Colchicine and Breeding. <i>Crop Science</i> , 2013, 53, 2218-2224.	0.8	8
31	Use of Benzimidazole Agar Plates to Assess Fall Armyworm (Lepidoptera: Noctuidae) Feeding on Excised Maize and Sorghum Leaves. <i>Florida Entomologist</i> , 2015, 98, 394-397.	0.2	8
32	Evidence of Pollinators Foraging on Centipedegrass Inflorescences. <i>Insects</i> , 2020, 11, 795.	1.0	8
33	Development and Characterization of Seashore Paspalum SSR Markers. <i>Crop Science</i> , 2013, 53, 2679-2685.	0.8	7
34	Effects of Genotype and Isolate on Expression of Dollar Spot in Seashore Paspalum. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2016, 51, 67-73.	0.5	7
35	Genome-wide association mapping of resistance to the sorghum aphid in <i>Sorghum bicolor</i> . <i>Genomics</i> , 2022, 114, 110408.	1.3	7
36	The Environment Strongly Affects Estimates of Heterosis in Hybrid Sweet Sorghum. <i>Sugar Tech</i> , 2018, 20, 261-274.	0.9	6

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37	Evaluation of strains of <i>Beauveria bassiana</i> and <i>Isaria fumosorosea</i> to control sugarcane aphids on grain sorghum. , 2020, 3, e20047.		6
38	Assessing spatio-temporal patterns of sugarcane aphid (Hemiptera: Aphididae) infestations on silage sorghum yield using unmanned aerial systems (UAS). Crop Protection, 2021, 146, 105681.	1.0	6
39	Incidence and Abundance of Bees and Wasps (Hymenoptera) in Centipedegrass Lawns in Georgia. Journal of Entomological Science, 2020, 55, 547-559.	0.2	6
40	USVL-370, a Zucchini yellow mosaic virus-resistant Watermelon Breeding Line. Hortscience: A Publication of the American Society for Horticultural Science, 2016, 51, 107-109.	0.5	6
41	Detection of DNA and Ploidy Variation within Vegetatively Propagated Zoysiagrass Cultivars. Journal of the American Society for Horticultural Science, 2014, 139, 547-552.	0.5	6
42	Melanaphis sorghi (Hemiptera: Aphididae) Clonal Diversity in the United States and Brazil. Insects, 2022, 13, 416.	1.0	6
43	Seed Sourcing for Longleaf Pine Herbaceous Understory Restoration: Little Bluestem (Schizachyrium) Tj ETQq1 1 0.784314 rgBT /Ove 380.	0.2	5
44	A Sugarcane Aphid (Hemiptera: Aphididae) "Super-Clone" Remains on U.S. Sorghum and Johnsongrass and Feeds on Giant Miscanthus. Journal of Entomological Science, 2021, 56, 43-52.	0.2	5
45	Transcript responses to drought in Kentucky bluegrass (Poa pratensis L.) germplasm varying in their tolerance to drought stress. Environmental and Experimental Botany, 2021, 190, 104571.	2.0	5
46	Discovery and Characterization of a Turf-type Triploid Seashore Paspalum. Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 1424-1427.	0.5	5
47	Method for DNA Isolation From Sweetpotato Weevil (Coleoptera: Curculionidae) Collected in Pheromone-Baited Traps. Journal of Economic Entomology, 2019, 112, 1001-1003.	0.8	4
48	Juice chemical properties of 24 sorghum cultivars under varying levels of sugarcane aphid (Melanaphis sacchari) infestation. Arthropod-Plant Interactions, 2021, 15, 707-719.	0.5	4
49	The sorghum epicuticular wax locus Bloomless2 reduces plant damage in P898012 caused by the sugarcane aphid. , 2020, 3, e20008.		3
50	Evaluation of Seashore Paspalum Germplasm for Resistance to Dollar Spot. Itsrj, 2017, 13, 175-184.	0.1	2
51	Colonial bentgrass transcript expression differences compared with creeping bentgrass in response to water deficit stress. Crop Science, 2021, 61, 2135-2147.	0.8	2
52	Evaluation of Whorl Damage by Fall Armyworm (Lepidoptera: Noctuidae) on Field- and Greenhouse-Grown Sweet Sorghum Plants. Journal of Entomological Science, 2015, 50, 14-27.	0.2	1
53	A Novel QTL for Root-Knot Nematode Resistance is Identified from a South African Sweet Sorghum Line. Phytopathology, 2019, 109, 1011-1017.	1.1	1
54	Registration of "MSB264"™ and "MSB285"™ bermudagrasses. Journal of Plant Registrations, 2022, 16, 185-197.		1

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55	Development and characterization of microsatellites from the sweetpotato weevil, <i>Cylas formicarius elegantulus</i> . <i>Journal of Applied Entomology</i> , 2020, 144, 335-340.	0.8	0
56	Sugarcane aphid resistance in sorghum and its potential bioenergy grass hosts. , 2016, , .		0
57	Transfer of <i>Meloidogyne incognita</i> Resistance Using Marker-assisted Selection in Sorghum. <i>Journal of Nematology</i> , 2021, 53, 1-10.	0.4	0