

Brent S Hulke

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

861
citations

567281

15
h-index

526287

27
g-index

44
all docs

44
docs citations

44
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of biogeographic variation in traits of Lewis flax (<i>Linum lewisii</i>) for use in restoration and agriculture. <i>AoB PLANTS</i> , 2022, 14, plac005.	2.3	5
2	Effective strategies for isolating DNA from members of Asteraceae with high concentrations of secondary metabolites. <i>BioTechniques</i> , 2022, , .	1.8	7
3	A Greenhouse Method to Evaluate Sunflower Quantitative Resistance to Basal Stalk Rot Caused by <i>Sclerotinia sclerotiorum</i> . <i>Plant Disease</i> , 2021, 105, 464-472.	1.4	12
4	Genetic loci underlying quantitative resistance to necrotrophic pathogens <i>Sclerotinia</i> and <i>Diaporthe</i> (<i>Phomopsis</i>), and correlated resistance to both pathogens. <i>Theoretical and Applied Genetics</i> , 2021, 134, 249-259.	3.6	6
5	Breeding for sustainable oilseed crop yield and quality in a changing climate. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1817-1827.	3.6	19
6	Breeding crops for climate resilience. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1607-1611.	3.6	26
7	Seed and floret size parameters of sunflower are determined by partially overlapping sets of quantitative trait loci with epistatic interactions. <i>Molecular Genetics and Genomics</i> , 2020, 295, 143-154.	2.1	11
8	Determination of Virulence Phenotypes of <i>Plasmopara halstedii</i> in the United States. <i>Plant Disease</i> , 2020, 104, 2823-2831.	1.4	16
9	Mating compatibility and fertility studies in an herbaceous perennial <i>Aster</i> undergoing de novo domestication to enhance agroecosystems. <i>Agronomy for Sustainable Development</i> , 2020, 40, 1.	5.3	8
10	Silflower seed and biomass responses to plant density and nitrogen fertilization. , 2020, 3, e20118.		9
11	Registration of oilseed sunflower maintainer germplasm HA 488, with resistance to the red sunflower seed weevil. <i>Journal of Plant Registrations</i> , 2020, 14, 203-205.	0.5	3
12	Gene banks for wild and cultivated sunflower genetic resources. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2020, 27, 9.	1.4	20
13	Registration of oilseed sunflower maintainer germplasm HA 489 with resistance to the banded sunflower moth. <i>Journal of Plant Registrations</i> , 2020, 14, 197-202.	0.5	1
14	Pest potential of <i>Neotephritis finalis</i> (Loew) on <i>Silphium integrifolium</i> Michx., <i>Silphium perfoliatum</i> L., and interspecific hybrids. <i>Agronomy Journal</i> , 2020, 112, 1462-1465.	1.8	4
15	Phomopsis stem canker of sunflower in North America: correlation with climate and solutions through breeding and management. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2019, 26, 13.	1.4	12
16	Assessment of the biogeographical variation of seed size and seed oil traits in wild <i>Silphium integrifolium</i> Michx. genotypes. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2019, 17, 427-436.	0.8	17
17	Genetic and phenotypic analyses indicate that resistance to flooding stress is uncoupled from performance in cultivated sunflower. <i>New Phytologist</i> , 2019, 223, 1657-1670.	7.3	14
18	Linkage Mapping and Genome-Wide Association Studies of the Rf Gene Cluster in Sunflower (<i>Helianthus annuus</i> L.) and Their Distribution in World Sunflower Collections. <i>Frontiers in Genetics</i> , 2019, 10, 216.	2.3	34

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19	Registration of Oilseed Sunflower Germplasms RHA 485, RHA 486, and HA 487, Selected for Resistance to Phomopsis Stalk Canker and Sclerotinia, in a High-Yielding and High-Oil Background. <i>Journal of Plant Registrations</i> , 2019, 13, 439-442.	0.5	6
20	Registration of Oilseed Sunflower Germplasms RHA 478, RHA 479, RHA 480, and HA 481 Providing Diversity in Resistance to Necrotrophic Pathogens of Sunflower. <i>Journal of Plant Registrations</i> , 2019, 13, 444-449.	0.5	3
21	Registration of Oilseed Sunflower Germplasms HA 482, RHA 483, and RHA 484 Selected for Resistance to Sclerotinia and Phomopsis Diseases. <i>Journal of Plant Registrations</i> , 2019, 13, 450-454.	0.5	2
22	Registration of Sunflower Genetic Stocks TOCO B1, TOCO R1, and TOCO R2 with High γ and Δ Tocopherol and Altered Fatty Acid Composition in the Seed Oil. <i>Journal of Plant Registrations</i> , 2019, 13, 465-468.	0.5	1
23	Variation in floret size explains differences in wild bee visitation to cultivated sunflowers. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2018, 16, 498-503.	0.8	19
24	Registration of Oilseed Sunflower Restorer Germplasms RHA 476 and RHA 477, Adapted for Short Season Environments. <i>Journal of Plant Registrations</i> , 2018, 12, 148-151.	0.5	2
25	Using Nectar-Related Traits to Enhance Crop-Pollinator Interactions. <i>Frontiers in Plant Science</i> , 2018, 9, 812.	3.6	47
26	Two contrasting laboratory methods improve <i>Silphium integrifolium</i> Michx. germination rate to agronomically acceptable levels. <i>Euphytica</i> , 2018, 214, 1.	1.2	6
27	Accelerating <i>Silphium</i> Domestication: An Opportunity to Develop New Crop Ideotypes and Breeding Strategies Informed by Multiple Disciplines. <i>Crop Science</i> , 2017, 57, 1274-1284.	1.8	61
28	A Pipeline Strategy for Grain Crop Domestication. <i>Crop Science</i> , 2016, 56, 917-930.	1.8	101
29	Relative susceptibility of sunflower maintainer lines and resistance sources to natural infestations of the banded sunflower moth (Lepidoptera: Tortricidae). <i>Canadian Entomologist</i> , 2016, 148, 736-741.	0.8	6
30	Registration of the Oilseed Restorer Sunflower Germplasms RHA 472, RHA 473, RHA 474, and RHA 475, Possessing Resistance to Sclerotinia Head Rot. <i>Journal of Plant Registrations</i> , 2015, 9, 232-238.	0.5	7
31	A Unified Single Nucleotide Polymorphism Map of Sunflower (<i>Helianthus annuus</i> L.) Derived from Current Genomic Resources. <i>Crop Science</i> , 2015, 55, 1696-1702.	1.8	16
32	A High-Density SNP Map of Sunflower Derived from RAD-Sequencing Facilitating Fine-Mapping of the Rust Resistance Gene R12. <i>PLoS ONE</i> , 2014, 9, e98628.	2.5	93
33	Ovipositional Preference and Larval Performance of the Banded Sunflower Moth (Lepidoptera: Tortricidae) on Sunflower Germplasm Lines. <i>Journal of Plant Registrations</i> , 2014, 8, 193-209.	1.4	5
34	Candidate gene association mapping of Sclerotinia stalk rot resistance in sunflower (<i>Helianthus annuus</i> L.). <i>Journal of Plant Registrations</i> , 2014, 8, 193-209.	3.6	33
35	Sources of Resistance to Sunflower Diseases in a Global Collection of Domesticated USDA Plant Introductions. <i>Crop Science</i> , 2014, 54, 694-705.	1.8	31
36	De novo sequencing of sunflower genome for SNP discovery using RAD (Restriction site Associated) DNA Sequencing. <i>Journal of Plant Registrations</i> , 2014, 8, 193-209.	2.8	83

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37	Association of Freezing Tolerance to <i>LpCBFIIIb</i> and <i>LpCBFIIIc</i> Gene Polymorphism in Perennial Ryegrass Accessions. <i>Crop Science</i> , 2012, 52, 2023-2029.	1.8	13
38	Resistance in Cultivated Sunflower Germplasm to the Red Sunflower Seed Weevil (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 51-57.	0.2	7
39	Freezing tolerance of selected perennial ryegrass (<i>Lolium perenne</i> L.) accessions and its association with field winterhardiness and turf traits. <i>Euphytica</i> , 2008, 163, 131-141.	1.2	39
40	Mowing Strategies and Dew Removal to Minimize Dollar Spot on Creeping Bentgrass. <i>Crop Science</i> , 2007, 47, 2129-2137.	1.8	18
41	Winterhardiness and Turf Quality of Accessions of Perennial Ryegrass (<i>Lolium perenne</i> L.) from Public Collections. <i>Crop Science</i> , 2007, 47, 1596-1602.	1.8	26
42	Sunflower. <i>CSSA Special Publication - Crop Science Society of America</i> , 0, , 433-457.	0.1	10