

Phillip Miklas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5571623/publications.pdf>

Version: 2024-02-01

89
papers

5,007
citations

109321

35
h-index

98798

67
g-index

92
all docs

92
docs citations

92
times ranked

3696
citing authors

#	ARTICLE	IF	CITATIONS
1	New genomic regions associated with white mold resistance in dry bean using a MAGIC population. <i>Plant Genome</i> , 2022, 15, e20190.	2.8	3
2	The Common Bean V Gene Encodes Flavonoid 3-O-Hydroxylase: A Major Mutational Target for Flavonoid Diversity in Angiosperms. <i>Frontiers in Plant Science</i> , 2022, 13, 869582.	3.6	7
3	The genetics and physiology of seed dormancy, a crucial trait in common bean domestication. <i>BMC Plant Biology</i> , 2021, 21, 58.	3.6	24
4	A common bean truncated CRINKLY4 kinase controls gene-for-gene resistance to the fungus <i>Colletotrichum lindemuthianum</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 3569-3581.	4.8	21
5	NAC Candidate Gene Marker for bgm-1 and Interaction With QTL for Resistance to Bean Golden Yellow Mosaic Virus in Common Bean. <i>Frontiers in Plant Science</i> , 2021, 12, 628443.	3.6	12
6	GWAS of pod morphological and color characters in common bean. <i>BMC Plant Biology</i> , 2021, 21, 184.	3.6	20
7	Common bean (<i>Phaseolus vulgaris</i> L.) with increased cysteine and methionine concentration. , 2021, 3, e103.		7
8	Genome-Wide Association Mapping of bc-1 and bc-u Reveals Candidate Genes and New Adjustments to the Host-Pathogen Interaction for Resistance to Bean Common Mosaic Necrosis Virus in Common Bean. <i>Frontiers in Plant Science</i> , 2021, 12, 699569.	3.6	10
9	Coding Mutations in Vacuolar Protein-Sorting 4 AAA+ ATPase Endosomal Sorting Complexes Required for Transport Protein Homologs Underlie bc-2 and New bc-4 Gene Conferring Resistance to Bean Common Mosaic Virus in Common Bean. <i>Frontiers in Plant Science</i> , 2021, 12, 769247.	3.6	12
10	Induction of seed coat darkening in common beans (<i>Phaseolus vulgaris</i> L.) and the association with cooking time after storage. <i>Australian Journal of Crop Science</i> , 2020, , 21-27.	0.3	8
11	Description of Baetao Manteiga 41 and Yunguilla™ superior Andean common beans for Tanzanian production environments. <i>Journal of Plant Registrations</i> , 2020, 14, 234-241.	0.5	0
12	Genetic Associations in Four Decades of Multienvironment Trials Reveal Agronomic Trait Evolution in Common Bean. <i>Genetics</i> , 2020, 215, 267-284.	2.9	26
13	Agronomic performance and cooking quality characteristics for slow-darkening pinto beans. <i>Crop Science</i> , 2020, 60, 2317-2327.	1.8	11
14	Generation and validation of genetic markers for the selection of carioca dry bean genotypes with the slow-darkening seed coat trait. <i>Euphytica</i> , 2019, 215, 1.	1.2	11
15	Unmanned aerial system and satellite-based high resolution imagery for high-throughput phenotyping in dry bean. <i>Computers and Electronics in Agriculture</i> , 2019, 165, 104965.	7.7	40
16	Seedling root architecture and its relationship with seed yield across diverse environments in <i>Phaseolus vulgaris</i> . <i>Field Crops Research</i> , 2019, 237, 53-64.	5.1	76
17	Irrigated pinto bean crop stress and yield assessment using ground based low altitude remote sensing technology. <i>Information Processing in Agriculture</i> , 2019, 6, 502-514.	4.1	17
18	The role of genotype and production environment in determining the cooking time of dry beans (<i>Phaseolus vulgaris</i> L.), 2019, 1, e13.		27

#	ARTICLE	IF	CITATIONS
19	Single and Multi-trait GWAS Identify Genetic Factors Associated with Production Traits in Common Bean Under Abiotic Stress Environments. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1881-1892.	1.8	76
20	The impact of tillage on pinto bean cultivar response to drought induced by deficit irrigation. <i>Soil and Tillage Research</i> , 2018, 180, 63-72.	5.6	7
21	Low altitude remote sensing technologies for crop stress monitoring: a case study on spatial and temporal monitoring of irrigated pinto bean. <i>Precision Agriculture</i> , 2018, 19, 555-569.	6.0	37
22	Prediction of Cooking Time for Soaked and Unsoaked Dry Beans (<i>Phaseolus vulgaris</i> L.) Using Hyperspectral Imaging Technology. <i>The Plant Phenome Journal</i> , 2018, 1, 1-9.	2.0	9
23	A New Slow-Darkening Pinto Bean with Improved Agronomic Performance: Registration of 'Palomino'. <i>Journal of Plant Registrations</i> , 2018, 12, 25-30.	0.5	15
24	Registration of 'Cayenne' Small Red Bean. <i>Journal of Plant Registrations</i> , 2018, 12, 194-198.	0.5	2
25	High-throughput field phenotyping in dry bean using small unmanned aerial vehicle based multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2018, 151, 84-92.	7.7	50
26	Genome-Wide Linkage and Association Mapping of Halo Blight Resistance in Common Bean to Race 6 of the Globally Important Bacterial Pathogen. <i>Frontiers in Plant Science</i> , 2017, 8, 1170.	3.6	57
27	Meta-QTL for resistance to white mold in common bean. <i>PLoS ONE</i> , 2017, 12, e0171685.	2.5	52
28	Phenotypic Diversity for Seed Mineral Concentration in North American Dry Bean Germplasm of Middle American Ancestry. <i>Crop Science</i> , 2017, 57, 3129-3144.	1.8	29
29	Pinto Bean Cultivars Blackfoot, Nez Perce, and Twin Falls. <i>Journal of Plant Registrations</i> , 2017, 11, 212-217.	0.5	1
30	Common Bacterial Blight Resistance QTL BC420 and SU91 Effect on Seed Yield, Seed Weight, and Canning Quality in Dry Bean. <i>Crop Science</i> , 2017, 57, 802-811.	1.8	6
31	Targeted Analysis of Dry Bean Growth Habit: Interrelationship among Architectural, Phenological, and Yield Components. <i>Crop Science</i> , 2016, 56, 3005-3015.	1.8	34
32	Sequence-Based Introgression Mapping Identifies Candidate White Mold Tolerance Genes in Common Bean. <i>Plant Genome</i> , 2016, 9, plantgenome2015.09.0092.	2.8	10
33	Selective Phenotyping Traits Related to Multiple Stress and Drought Response in Dry Bean. <i>Crop Science</i> , 2016, 56, 1460-1472.	1.8	42
34	Genome-Wide Association Study Identifies Candidate Loci Underlying Agronomic Traits in a Middle American Diversity Panel of Common Bean. <i>Plant Genome</i> , 2016, 9, plantgenome2016.02.0012.	2.8	136
35	Evaluation of ground, proximal and aerial remote sensing technologies for crop stress monitoring. <i>IFAC-PapersOnLine</i> , 2016, 49, 22-26.	0.9	15
36	Quantitative Trait Loci for Yield under Multiple Stress and Drought Conditions in a Dry Bean Population. <i>Crop Science</i> , 2015, 55, 1596-1607.	1.8	59

#	ARTICLE	IF	CITATIONS
37	A <i>Phaseolus vulgaris</i> Diversity Panel for Andean Bean Improvement. <i>Crop Science</i> , 2015, 55, 2149-2160.	1.8	133
38	Breeding Common Bean for Resistance to Common Blight: A Review. <i>Crop Science</i> , 2015, 55, 971-984.	1.8	33
39	Low-altitude, high-resolution aerial imaging systems for row and field crop phenotyping: A review. <i>European Journal of Agronomy</i> , 2015, 70, 112-123.	4.1	380
40	Registration of "Desert Song"™ Flor de Junio and "Gypsy Rose"™ Flor de Mayo Common Bean Cultivars. <i>Journal of Plant Registrations</i> , 2015, 9, 133-137.	0.5	0
41	A New Common Bacterial Blight Resistance QTL in VAX 1 Common Bean and Interaction of the New QTL, SAP6, and SU91 with Bacterial Strains. <i>Crop Science</i> , 2014, 54, 1598-1608.	1.8	30
42	New Loci Including Pse6 Conferring Resistance to Halo Bacterial Blight on Chromosome Pv04 in Common Bean. <i>Crop Science</i> , 2014, 54, 2099-2108.	1.8	24
43	Progress in Breeding Andean Common Bean for Resistance to Common Bacterial Blight. <i>Crop Science</i> , 2014, 54, 2084-2092.	1.8	12
44	Application of in silico bulked segregant analysis for rapid development of markers linked to Bean common mosaic virus resistance in common bean. <i>BMC Genomics</i> , 2014, 15, 903.	2.8	58
45	A reference genome for common bean and genome-wide analysis of dual domestications. <i>Nature Genetics</i> , 2014, 46, 707-713.	21.4	1,159
46	Registration of Pinto Bean Germplasm Line USPT-WM-12 with Partial White Mold Resistance. <i>Journal of Plant Registrations</i> , 2014, 8, 183-186.	0.5	14
47	Characterization of white mold disease avoidance in common bean. <i>European Journal of Plant Pathology</i> , 2013, 135, 525-543.	1.7	84
48	Simple Sequence Repeats Linked with Slow Darkening Trait in Pinto Bean Discovered by Single Nucleotide Polymorphism Assay and Whole Genome Sequencing. <i>Crop Science</i> , 2012, 52, 1600-1608.	1.8	25
49	Development of candidate gene markers associated to common bacterial blight resistance in common bean. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1525-1537.	3.6	13
50	Registration of "Krimson"™ Cranberry Bean. <i>Journal of Plant Registrations</i> , 2012, 6, 11-14.	0.5	2
51	Mapping quantitative trait loci conferring partial physiological resistance to white mold in the common bean RIL population Xana—Cornell 49242. <i>Molecular Breeding</i> , 2012, 29, 31-41.	2.1	28
52	Comparative QTL Map for White Mold Resistance in Common Bean, and Characterization of Partial Resistance in Dry Bean Lines VA19 and I9365. <i>Crop Science</i> , 2011, 51, 123-139.	1.8	57
53	Genetic Characterization and Molecular Mapping of Pse2 Gene for Resistance to Halo Blight in Common Bean. <i>Crop Science</i> , 2011, 51, 2439-2448.	1.8	22
54	Registration of "Croissant"™ Pinto Bean. <i>Journal of Plant Registrations</i> , 2011, 5, 299-303.	0.5	6

#	ARTICLE	IF	CITATIONS
55	Two Independent Quantitative Trait Loci Are Responsible for Novel Resistance to <i>Beet curly top virus</i> in Common Bean Landrace G122. <i>Phytopathology</i> , 2010, 100, 972-978.	2.2	9
56	A dominant gene for garnet brown seed coats at the Rk locus in "Dorado"™ common bean and mapping Rk to linkage group 1. <i>Euphytica</i> , 2010, 176, 281-290.	1.2	5
57	Screening Common Bean for Resistance to Four <i>Sclerotinia sclerotiorum</i> Isolates Collected in Northern Spain. <i>Plant Disease</i> , 2010, 94, 885-890.	1.4	30
58	Tagging and Mapping <i>Pse-1</i> Gene for Resistance to Halo Blight in Common Bean Differential Cultivar UI-3. <i>Crop Science</i> , 2009, 49, 41-48.	1.8	27
59	A Strain of <i>Clover yellow vein virus</i> that Causes Severe Pod Necrosis Disease in Snap Bean. <i>Plant Disease</i> , 2008, 92, 1026-1032.	1.4	17
60	Registration of White Mold Resistant Dry Bean Germplasm Line A 195. <i>Journal of Plant Registrations</i> , 2007, 1, 62-63.	0.5	44
61	Marker-Assisted Backcrossing QTL for Partial Resistance to Sclerotinia White Mold in Dry Bean. <i>Crop Science</i> , 2007, 47, 935-942.	1.8	50
62	QTL Analysis of ICA Bunsí-Derived Resistance to White Mold in a Pinto "Navy Bean Cross. <i>Crop Science</i> , 2007, 47, 174-179.	1.8	30
63	Seventy-five Years of Breeding Dry Bean of the Western USA. <i>Crop Science</i> , 2007, 47, 981-989.	1.8	65
64	Common Bean. , 2007, , 1-31.		9
65	Potential Application of TRAP (Targeted Region Amplified Polymorphism) Markers for Mapping and Tagging Disease Resistance Traits in Common Bean. <i>Crop Science</i> , 2006, 46, 910-916.	1.8	60
66	Common bean breeding for resistance against biotic and abiotic stresses: From classical to MAS breeding. <i>Euphytica</i> , 2006, 147, 105-131.	1.2	448
67	Resistance Gene Analog Polymorphism (RGAP) Markers Co-Localize with Disease Resistance Genes and QTL in Common Bean. <i>Molecular Breeding</i> , 2006, 17, 127-135.	2.1	37
68	Genotyping Common Bean for the Potyvirus Resistance Alleles I and bc-12 with a Multiplex Real-Time Polymerase Chain Reaction Assay. <i>Phytopathology</i> , 2005, 95, 499-505.	2.2	16
69	NL-3 K Strain Is a Stable and Naturally Occurring Interspecific Recombinant Derived from Bean common mosaic necrosis virus and Bean common mosaic virus. <i>Phytopathology</i> , 2005, 95, 1037-1042.	2.2	75
70	Inheritance of ICA Bunsí-Derived Resistance to White Mold in a Navy "Pinto Bean Cross. <i>Crop Science</i> , 2004, 44, 1584-1588.	1.8	40
71	Generation and Molecular Mapping of a Sequence Characterized Amplified Region Marker Linked with the Bct Gene for Resistance to Beet curly top virus in Common Bean. <i>Phytopathology</i> , 2004, 94, 320-325.	2.2	45
72	Title is missing!. <i>Euphytica</i> , 2003, 131, 137-146.	1.2	81

#	ARTICLE	IF	CITATIONS
73	New Alleles, <i>rkcd</i> and <i>rkp</i> , at the Red Kidney Locus for Seedcoat Color in Common Bean. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 552-558.	1.0	4
74	Identification of QTL Conditioning Resistance to White Mold in Snap Bean. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 564-570.	1.0	65
75	Title is missing!. <i>Molecular Breeding</i> , 2002, 10, 193-201.	2.1	11
76	QTL Conditioning Physiological Resistance and Avoidance to White Mold in Dry Bean. <i>Crop Science</i> , 2001, 41, 309-315.	1.8	129
77	Title is missing!. <i>Euphytica</i> , 2000, 116, 211-219.	1.2	72
78	Selection for Bean Golden Mosaic Resistance in Intra- and Interracial Bean Populations. <i>Crop Science</i> , 2000, 40, 1565-1572.	1.8	38
79	Bacterial, Fungal, and Viral Disease Resistance Loci Mapped in a Recombinant Inbred Common Bean Population ('Dorado'/XAN 176). <i>Journal of the American Society for Horticultural Science</i> , 2000, 125, 476-481.	1.0	92
80	Using a Subsample of the Core Collection to Identify New Sources of Resistance to White Mold in Common Bean. <i>Crop Science</i> , 1999, 39, 569-573.	1.8	43
81	Inheritance of Resistance to Common Bacterial Blight in Four Tepary Bean Lines. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 24-27.	1.0	30
82	The role of RAPD markers in breeding for disease resistance in common bean. <i>Molecular Breeding</i> , 1998, 4, 1-11.	2.1	87
83	Inheritance and QTL Analysis of Field Resistance to Ashy Stem Blight in Common Bean. <i>Crop Science</i> , 1998, 38, 916-921.	1.8	39
84	Specific Genomic Regions in Common Bean Condition Resistance to Multiple Pathogens. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1997, 32, 451E-451.	1.0	1
85	Selective Mapping of QTL Conditioning Disease Resistance in Common Bean. <i>Crop Science</i> , 1996, 36, 1344-1351.	1.8	84
86	A Codominant Randomly Amplified Polymorphic DNA (RAPD) Marker Useful for Indirect Selection of Bean Golden Mosaic Virus Resistance in Common Bean. <i>Journal of the American Society for Horticultural Science</i> , 1996, 121, 1035-1039.	1.0	56
87	Random Amplified Polymorphic DNA (RAPD) Marker Variability between and within Gene Pools of Common Bean. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 122-125.	1.0	61
88	Estimating Phenylalanine Ammonia-lyase Activity in Common Beans Inoculated with <i>Sclerotinia sclerotiorum</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 937-938.	1.0	6
89	Inheritance of Partial Resistance to White Mold in Inbred Populations of Dry Bean. <i>Crop Science</i> , 1992, 32, 943-948.	1.8	35