

Pathmanathan Umaharan

List of Publications by Year in descending order

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304743

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Mitigation of cadmium uptake in <i>Theobroma cacao</i> L: efficacy of soil application methods of hydrated lime and biochar. <i>Plant and Soil</i> , 2022, 477, 281-296.	3.7	4
2	Plant metal concentrations in <i>Theobroma cacao</i> as affected by soil metal availability in different soil types. <i>Chemosphere</i> , 2021, 262, 127749.	8.2	14
3	Photochemical responses to light in sun and shade leaves of <i>Theobroma cacao</i> L. (West African) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	17
4	A first approach to develop a quantitative screening method to identify resistance to bacterial leaf spot disease caused by <i>Acidovorax anthurii</i> in anthurium. <i>European Journal of Plant Pathology</i> , 2021, 160, 147-159.	1.7	1
5	Genetic variation in high light responses of <i>Theobroma cacao</i> L. accessions. <i>Heliyon</i> , 2021, 7, e07404.	3.2	2
6	Mitigating the level of cadmium in cacao products: Reviewing the transfer of cadmium from soil to chocolate bar. <i>Science of the Total Environment</i> , 2021, 781, 146779.	8.0	43
7	Interrelationships between yield and its components in hot pepper (<i>Capsicum chinense</i> Jacq.). <i>Scientia Horticulturae</i> , 2021, 287, 110254.	3.6	4
8	A rapid leaf-disc vacuum-infiltration screening for assessing resistance to bacterial leaf spot disease in anthurium. <i>Scientia Horticulturae</i> , 2021, 288, 110344.	3.6	2
9	Identification of Cacao Mild Mosaic Virus (CaMMV) and Cacao Yellow Vein-Banding Virus (CYBBV) in Cocoa (<i>Theobroma cacao</i>) Germplasm. <i>Viruses</i> , 2021, 13, 2152.	3.3	7
10	Comparative transcriptomic analysis reveals key components controlling spathe color in <i>Anthurium andraeanum</i> (Hort.). <i>PLoS ONE</i> , 2021, 16, e0261364.	2.5	3
11	The impact of light on vase life in (<i>Anthurium andraeanum</i> Hort.) cut flowers. <i>Postharvest Biology and Technology</i> , 2020, 159, 110984.	6.0	5
12	Development of a core SNP panel for cacao (<i>Theobroma cacao</i> L.) identity analysis. <i>Genome</i> , 2020, 63, 103-114.	2.0	17
13	Proteomic and peptidomic UHPLC-ESI MS/MS analysis of cocoa beans fermented using the Styrofoam-box method. <i>Food Chemistry</i> , 2020, 316, 126350.	8.2	9
14	Genetic diversity and ancestry of cacao (<i>Theobroma cacao</i> L.) in Dominica revealed by single nucleotide polymorphism markers. <i>Genome</i> , 2020, 63, 583-595.	2.0	7
15	Sensing fermentation degree of cocoa (<i>Theobroma cacao</i> L.) beans by machine learning classification models based electronic nose system. <i>Journal of Food Process Engineering</i> , 2019, 42, e13175.	2.9	22
16	The effectiveness of soil amendments, biochar and lime, in mitigating cadmium bioaccumulation in <i>Theobroma cacao</i> L. <i>Science of the Total Environment</i> , 2019, 693, 133563.	8.0	57
17	Morphological and genetic diversity of cacao (<i>Theobroma cacao</i> L.) in Uganda. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 361-375.	3.1	14
18	Climate adaptation in a minor crop species: is the cocoa breeding network prepared for climate change?. <i>Agroecology and Sustainable Food Systems</i> , 2018, 42, 812-833.	1.9	20

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19	Population genomic analyses of the chocolate tree, <i>Theobroma cacao</i> L., provide insights into its domestication process. <i>Communications Biology</i> , 2018, 1, 167.	4.4	73
20	Genetic variation in bioaccumulation and partitioning of cadmium in <i>Theobroma cacao</i> L.. <i>Science of the Total Environment</i> , 2018, 640-641, 696-703.	8.0	46
21	The Impact of Pollen Donor on Flavor in Cocoa. <i>Journal of the American Society for Horticultural Science</i> , 2017, 142, 13-19.	1.0	10
22	Molecular characterization of previously elusive badnaviruses associated with symptomatic cacao in the New World. <i>Archives of Virology</i> , 2017, 162, 1363-1371.	2.1	28
23	Identification of Field Resistance to Bacterial Leaf Spot Disease of <i>Anthurium</i> under Natural Epiphytotics in Trinidad. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 89-93.	1.0	3
24	Association mapping of seed and disease resistance traits in <i>Theobroma cacao</i> L.. <i>Planta</i> , 2016, 244, 1265-1276.	3.2	30
25	Fast and neat " Determination of biochemical quality parameters in cocoa using near infrared spectroscopy. <i>Food Chemistry</i> , 2015, 181, 152-159.	8.2	100
26	Morphological Changes Associated with Postharvest Fruit Deterioration and Physical Parameters for Early Determination of Shelf Life in <i>Capsicum chinense</i> Jacq.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1537-1541.	1.0	3
27	Status of Bacterial Leaf Spot Disease of <i>Anthurium</i> in Trinidad and Characterization of Native Isolates of the Causal Organism, <i>Acidovorax anthurii</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1023-1027.	1.0	2
28	Expression Analysis of the Anthocyanin Genes in Pink Spathes of <i>Anthurium</i> with Different Color Intensities. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 480-489.	1.0	5
29	Plant and fruit trait variations among four <i>Capsicum</i> species in a Caribbean germplasm collection. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014, 12, 48-57.	0.8	6
30	Microsatellite based analysis of the genetic structure and diversity of <i>Capsicum chinense</i> in the Neotropics. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 741-755.	1.6	25
31	A molecular assessment of the genetic model of spathe color inheritance in <i>Anthurium andraeanum</i> (Hort.). <i>Planta</i> , 2014, 239, 695-705.	3.2	17
32	Genetic Basis for Productivity in <i>Anthurium andraeanum</i> Hort.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 859-863.	1.0	2
33	Microsatellite-aided detection of genetic redundancy improves management of the International Cocoa Genebank, Trinidad. <i>Tree Genetics and Genomes</i> , 2013, 9, 1395-1411.	1.6	22
34	Identification of reference genes for expression studies using quantitative RT-PCR in spathe tissue of <i>Anthurium andraeanum</i> (Hort.). <i>Scientia Horticulturae</i> , 2013, 153, 1-7.	3.6	17
35	Fruit Trait Variation in a Caribbean Germplasm Collection of Aromatic Hot Peppers (<i>Capsicum chinense</i>) Tj ETQq1	1.0	14
36	Elucidation of genetic identity and population structure of cacao germplasm within an international cacao genebank. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2012, 10, 232-241.	0.8	8

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37	Discovery and mapping of a new expressed sequence tag-single nucleotide polymorphism and simple sequence repeat panel for large-scale genetic studies and breeding of <i>Theobroma cacao</i> L. DNA Research, 2012, 19, 23-35.	3.4	52
38	Genetic Structure and Phylogenetic Relationships of <i>Capsicum chinense</i> . Journal of the American Society for Horticultural Science, 2012, 137, 250-262.	1.0	27
39	Wide genetic diversity of <i>Ralstonia solanacearum</i> strains affecting tomato in Trinidad, West Indies. Plant Pathology, 2012, 61, 844-857.	2.4	23
40	Genotypic Variation in Senescence and Water Relations in Cut Flowers of <i>Anthurium andraeanum</i> (Hort.). Hortscience: A Publication of the American Society for Horticultural Science, 2012, 47, 1333-1337.	1.0	10
41	Optimization of an Agrobacterium-mediated Transient Assay for Gene Expression Studies in <i>Anthurium andraeanum</i> . Journal of the American Society for Horticultural Science, 2012, 137, 263-272.	1.0	22
42	A Study of Morphophysiological Descriptors of Cultivated <i>Anthurium andraeanum</i> Hort.. Hortscience: A Publication of the American Society for Horticultural Science, 2012, 47, 1234-1240.	1.0	2
43	Extensive Settlement of the Invasive Meam1 population of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) in the Caribbean and Rare Detection of Indigenous Populations. Environmental Entomology, 2011, 40, 989-998.	1.4	18
44	Microsatellite fingerprinting in the International Cocoa Genebank, Trinidad: accession and plot homogeneity information for germplasm management. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 430-438.	0.8	16
45	Inheritance of Resistance to Foliar Infection by <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> in <i>Anthurium</i> . Plant Disease, 2010, 94, 1243-1247.	1.4	10
46	Inheritance and combining ability studies of pod physical and biochemical quality traits in vegetable pigeonpea (<i>Cajanus cajan</i> L. Millsp). Euphytica, 2010, 176, 37-47.	1.2	5
47	The relic Criollo cacao in Belize – genetic diversity and relationship with Trinitario and other cacao clones held in the International Cocoa Genebank, Trinidad. Plant Genetic Resources: Characterisation and Utilisation, 2010, 8, 106-115.	0.8	40
48	Cultivar differences in the deterioration of vase-life in cut-flowers of <i>Anthurium andraeanum</i> is determined by mechanisms that regulate water uptake. Scientia Horticulturae, 2010, 124, 102-108.	3.6	22
49	Spathe Color Variation in <i>Anthurium andraeanum</i> Hort. and Its Relationship to Vacuolar pH. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 1768-1772.	1.0	12
50	Increasing Accuracy and Throughput in Large-Scale Microsatellite Fingerprinting of Cacao Field Germplasm Collections. Tropical Plant Biology, 2009, 2, 23-37.	1.9	21
51	Microsatellite variation and population structure in the ‘Refractario’-cacao of Ecuador. Conservation Genetics, 2008, 9, 327-337.	1.5	29
52	A quantitative screening method for the detection of foliar resistance to <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> in <i>Anthurium</i> . European Journal of Plant Pathology, 2008, 121, 35-42.	1.7	14
53	Quantitative resistance to <i>Cercospora</i> leaf spot disease caused by <i>Pseudocercospora cruenta</i> in cowpea. Euphytica, 2008, 162, 167-177.	1.2	8
54	The use of an optimised organoleptic assessment protocol to describe and quantify different flavour attributes of cocoa liquors made from Ghana and Trinitario beans. European Food Research and Technology, 2008, 226, 405-413.	3.3	50

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55	Genetic Basis of Resistance to Systemic Infection by <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> in Anthurium. <i>Phytopathology</i> , 2008, 98, 421-426.	2.2	11
56	Inheritance of Major Spathe Colors in Anthurium andraeanum Hort. Is Determined by Three Major Genes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 787-791.	1.0	18
57	Morphophysiological Characteristics Associated with Vase Life of Cut Flowers of Anthurium. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 825-831.	1.0	18
58	The inheritance of systemic resistance to the bacterial blight pathogen (<i>Xanthomonas axonopodis</i> pv.) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	6
59	A green fluorescent protein-based screening method for identification of resistance in anthurium to systemic infection by <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> . <i>Plant Pathology</i> , 2007, 56, 819-827.	2.4	12
60	Identification of resistance to <i>Cercospora</i> leaf spot of cowpea. <i>European Journal of Plant Pathology</i> , 2007, 118, 401-410.	1.7	14
61	Effect of Cowpea severe mosaic virus on Crop Growth Characteristics and Yield of Cowpea. <i>Plant Disease</i> , 2005, 89, 515-520.	1.4	23
62	Temporal and spatial expression of flavonoid biosynthetic genes in flowers of Anthurium andraeanum. <i>Physiologia Plantarum</i> , 2004, 122, 297-304.	5.2	49
63	Assessment of Resistance to Witches'-Broom Disease in Clonal and Segregating Populations of <i>Theobroma cacao</i> . <i>Plant Disease</i> , 2004, 88, 797-803.	1.4	19
64	An optimized screening method for identifying levels of resistance to <i>Crinipellis perniciosa</i> in cocoa (<i>Theobroma cacao</i>). <i>Plant Pathology</i> , 2003, 52, 464-475.	2.4	27
65	Identification of Resistance to Potato yellow mosaic virus-Trinidad Isolate (PYMV-TT) Among <i>Lycopersicon</i> Species. <i>Plant Disease</i> , 2003, 87, 686-691.	1.4	8
66	Detection of Begomoviruses in Clarified Plant Extracts: A Comparison of Standard, Direct-Binding, and Immunocapture Polymerase Chain Reaction Techniques. <i>Phytopathology</i> , 2003, 93, 1153-1157.	2.2	16
67	Partial 16S rRNA gene sequence diversity and numerical taxonomy of slow growing pigeonpea (<i>Cajanus</i>) Tj ETQq1 1 0.784314 rgBT /0	1.8	15
68	Title is missing!. <i>Euphytica</i> , 2001, 118, 295-303.	1.2	19
69	Distribution and Diversity of Geminiviruses in Trinidad and Tobago. <i>Phytopathology</i> , 1998, 88, 1262-1268.	2.2	68
70	Effect of short-term waterlogging applied at various growth phases on growth, development and yield in <i>Vigna unguiculata</i> . <i>Journal of Agricultural Science</i> , 1997, 128, 189-198.	1.3	18
71	Foliar Resistance to <i>Phytophthora palmivora</i> as an Indicator of Pod Resistance in <i>Theobroma cacao</i> . <i>Plant Disease</i> , 1997, 81, 619-624.	1.4	61
72	Genetic analysis of pod quality characteristics in vegetable cowpea (<i>Vigna unguiculata</i> L. Walp.). <i>Scientia Horticulturae</i> , 1997, 70, 281-292.	3.6	12

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73	Genetic analysis of yield and its components in vegetable cowpea (<i>Vigna unguiculata</i> L. Walp). <i>Euphytica</i> , 1997, 96, 207-213.	1.2	25
74	Title is missing!. <i>Euphytica</i> , 1997, 95, 49-55.	1.2	9
75	Title is missing!. <i>Euphytica</i> , 1997, 96, 377-383.	1.2	22
76	Title is missing!. <i>Euphytica</i> , 1997, 96, 323-326.	1.2	15
77	Phytophthoraresistance in cacao (<i>Theobroma cacao</i>): Influence of pod morphological characteristics. <i>Plant Pathology</i> , 1997, 46, 557-565.	2.4	27
78	Selection criteria for yield in hot pepper (<i>Capsicum chinense</i> Jacq.). <i>New Zealand Journal of Crop and Horticultural Science</i> , 0, , 1-17.	1.3	1