

PPS Keyword List: Keywords related to plant from PPS vol. 1 - 20

TUBERS & ROOTS (65)

Keyword		Article title (downloadable pdf link)	Author	Year	DOI
Beet (1)		Stimulation of Root Thickening and Inhibition of Bolting by Jasmonic Acid in Beet Plants	Koda Y, et al.	2001	10.1626/pps.4.131
Cassava (7)	Cassava (2)	Studies on Mechanisms of Dehydration Postponement in Cassava Leaves under Short-term Soil Water Deficits	Itani J, et al.	1999	10.1626/pps.2.184
		Genotypic Variation in Responses of Cassava (<i>Manihot esculenta</i> Crantz) to Drought and Rewatering: Root System Development	Subere JOQ, et al.	2009	10.1626/pps.12.462
	<i>Manihot esculenta</i> (5)	Root System Development of Cassava and Sweetpotato during Early Growth Stage as Affected by High Root Zone Temperature	Pardales JR, et al.	1999	10.1626/pps.2.247
		Development of Tuberous Cassava Roots under Different Tillage Systems: Descriptive Anatomy	Figueiredo PG, et al.	2015	10.1626/pps.18.241
		Root System Development Including Root Branching in Cuttings of Cassava with Reference to Shoot Growth and Tuber Bulking	Izumi Y, et al.	1999	10.1626/pps.2.267
		Fractal and Multifractal Analysis of Cassava Root System Grown by the Root-Box Method	Izumi Y, et al.	2002	10.1626/pps.5.146
		Cassava-Based Intercropping Systems on Sumatra Island in Indonesia: Productivity, Soil Erosion, and Rooting Zone	Iijima M, et al.	2004	10.1626/pps.7.347
Chinese yam (5)	Chinese yam (1)	Dynamics of Amyloplast Sedimentation in Growing Yam Tubers and Its Possible Role in Gravisperception	Kawasaki M, et al.	2008	10.1626/pps.11.393
	<i>Dioscorea opposita</i> (1)	Endogenous Gibberellins in Bulbils of Chinese Yam during Growth and Storage	Kim SK, et al.	2005	10.1626/pps.8.181
	Nagaimo (3)	Effects of the Direction of Gravistimulation on Tuber Formation and Amyloplast Distribution in Tuber Tips of Chinese Yam	Kawasaki M, et al.	2014	10.1626/pps.17.298
		Effects of elevated CO₂ concentration on growth and photosynthesis of Chinese yam under different temperature regimes	Thinh NC, et al.	2017	10.1080/1343943X.2017.1283963
		Effects of elevated CO₂ concentration on bulbil germination and early seedling growth in Chinese yam under different air temperatures	Thinh NC, et al.	2017	10.1080/1343943X.2017.1346477
Eddo (6)	Eddo (4)	Morphological Changes and Function of Calcium Oxalate Crystals in Eddo Roots in Hydroponic Solution Containing Calcium at Various Concentrations	Islam MN, et al.	2014	10.1626/pps.17.13
		Evaluation of Calcium Regulating Roles of Guttation and Calcium Oxalate Crystals in Leaf Blades and Petioles of Hydroponically Grown Eddo	Islam MN, et al.	2015	10.1626/pps.18.11
		Hydathode morphology and role of guttation in excreting sodium at different concentrations of sodium chloride in eddo	Hossain MB, et al.	2016	10.1080/1343943X.2016.1210990
		Hydathode function and changes in contents of elements in eddo exposed to zinc in hydroponic solution	Hossain MB, et al.	2017	10.1080/1343943X.2017.1383167
	<i>Colocasia esculenta</i> (2)	Localization of Casparian Bands and Crystal Cells in Relation to Aluminum Distribution in the Primary Root of Eddo under Aluminum Treatment	Kawasaki M, et al.	2008	10.1626/pps.11.238
		Effect of Calcium Concentration in Growth Medium on Oxalate Content and Evaluation of the Role of Guttation in the Regulation of Oxalate in Eddo	Islam MN, et al.	2015	10.1626/pps.18.464
Garlic (1)	<i>Allium sativum</i> (1)	Efficient Plant Regeneration in Garlic through Somatic Embryogenesis from Root Tip Explants	Haque MS, et al.	1998	10.1626/pps.1.216
Lily (2)	Dwarf lilyturf (1)	Elementary Identification of Phenolic Allelochemicals from Dwarf Lilyturf Plant (<i>Ophiopogon japonicus</i> K.) and Their Growth-Inhibiting Effects for Two Weeds in Paddy Rice Field	Lin D, et al.	2004	10.1626/pps.7.260
	<i>Lilium formosanum</i> (1)	Variation of Germination Response to Temperature in Formosan Lily (<i>Lilium formosanum</i> Wall.) Collected from Different Latitudes and Elevations in Taiwan	Weng JH, et al.	2006	10.1626/pps.9.281
Onion (1)	<i>Allium cepa</i> (1)	Mulching-Induced Alteration of Microclimatic Parameters on the Morpho-Physiological Attributes in Onion (<i>Allium cepa</i> L.)	Rahman S, et al.	2001	10.1626/pps.4.241
<i>Pinelliae cordatae</i> (1)		Efficient Plant in vitro Regeneration of <i>Pinelliae Cordatae</i> Breit	Zhang L, et al.	2008	10.1626/pps.11.127

Potato (10)	Potato (3)	Overexpression of a Maize <i>SPS</i> Gene Improves Yield Characters of Potato under Field Conditions	Ishimaru K, et al.	2008	10.1626/pps .11.104
		Effects of Drought and Shading on Non-structural Carbohydrate Stored in the Stem of Potato (<i>Solanum tuberosum</i> L.)	Zheng X, et al.	2009	10.1626/pps .12.449
		Potato Stolon and Tuber Growth Influenced by Nitrogen Form	Gao Y, et al.	2014	10.1626/pps .17.138
	<i>Solanum tuberosum</i> (4)	A Simple Method for Selection of Potato Lines with a Higher Root/Total Ratio at an Early Stage in the Seedling Generation	Iwama K, et al.	1998	10.1626/pps .1.286
		Elevated Sucrose-phosphate Synthase Activity in Source Leaves of Potato Plants Transformed with the Maize <i>SPS</i> Gene	Tobias DJ, et al.	1999	10.1626/pps 2.92
		Effects of Planting Date on the Growth and Yield of Two Potato Cultivars Grown from Microtubers and Conventional Seed Tubers	Kawakami J, et al.	2005	10.1626/pps .8.74
		Effect of Potato Microtuber Size on the Growth and Yield Performance of Field Grown Plants	Kawakami J, et al.	2012	10.1626/pps .15.144
	Maturing time of potato cultivars (1)	Effects of Jasmonates on <i>in vitro</i> Tuberization in Several Potato Cultivars that Differ Greatly in Maturity	Koda Y, et al.	2001	10.1626/pps 4.66
	Potato leaf (1)	Leaf Positions of Potato Suitable for Determination of Nitrogen Content with a SPAD Meter	Li L, et al.	2012	10.1626/pps .15.317
	Potato tuberization in vitro (1)	Effects of Jasmonates on <i>in vitro</i> Tuberization in Several Potato Cultivars that Differ Greatly in Maturity	Koda Y, et al.	2001	10.1626/pps 4.66
Radish (3)	Effect of Introducing Nematode-Resistant Sweet Potato Cultivars on Crop Productivity and Nematode Density in Sweet Potato-Radish Double-Cropping Systems	Suzuki T, et al.	2012	10.1626/pps .15.48	
	Effects of Growth under Elevated CO ₂ on the Capacity of Photosynthesis in Two Radish Cultivars Differing in Capacity of Storage Root	Usuda H.	2004	10.1626/pps 7.377	
	Evaluation of the Effect of Photosynthesis on Biomass Production with Simultaneous Analysis of Growth and Continuous Monitoring of CO ₂ Exchange in the Whole Plants of Radish, cv Kosena under Ambient and Elevated CO ₂	Usuda H.	2004	10.1626/pps 7.386	
Sugar beet (2)	Accumulation of Soluble Sugar in True Seeds by Priming of Sugar Beet Seeds and the Effects of Priming on Growth and Yield of Drilled Plants	Mukasa Y, et al.	2003	10.1626/pps 6.74	
	Application of Near-Infrared Diffuse Reflectance Spectroscopic Analysis for Estimating the Ratio of True Seed Weight to Fruit Weight in Sugar Beet Seed	Mukasa Y, et al.	2005	10.1626/pps 8.3	
Sweet potato (14)	Sweet potato (7)	The Effect of Fluctuations of Soil Moisture on Root Development during the Establishment Phase of Sweetpotato	Pardales JR Jr, et al.	2000	10.1626/pps 3.134
		Nurturing of Plantlets Using Cut Pieces from the Storage Roots of Sweet Potatoes (<i>Ipomoea batatas</i> (L.) Lam.) and their Productivity in the Field	Yamashita M.	2000	10.1626/pps 3.259
		Structural and Immunocytochemical Characterization of the Synthesis and Accumulation of Starch in Sweet Potato (<i>Ipomoea batatas</i> Lam.) Tuberous Root	Kawasaki M, et al.	2002	10.1626/pps 5.152
		Effect of Calcium Concentration on the Shape of Sweet Potato (<i>Ipomoea batatas</i> Lam.) Tuberous Root	Sulaiman H, et al.	2004	10.1626/pps 7.191
		Germplasm Enhancement and Breeding Strategies for Crop Quality in Japan	Okuno K, et al.	2005	10.1626/pps 8.320
		Effect of Introducing Nematode-Resistant Sweet Potato Cultivars on Crop Productivity and Nematode Density in Sweet Potato-Radish Double-Cropping Systems	Suzuki T, et al.	2012	10.1626/pps 15.48
		Suppression of Mother Tuber Enlargement in the Sweet Potato Cultivar “Koganesengan” by Transplantation of Bottled Tuber Seedlings	Adachi K, et al.	2012	10.1626/pps 15.57
		<i>Ipomoea batatas</i> (3)	Feed-Forward Effects on the Photosynthetic Source-Sink Balance in Single-Rooted Leaves of Sweet Potato	Sawada S, et al.	1999
	Root System Development of Cassava and Sweetpotato during Early Growth Stage as Affected by High Root Zone Temperature		Pardales JR, et al.	1999	10.1626/pps 2.247
	Regulation of Expression of D3-type Cyclins and ADP-Glucose Pyrophosphorylase Genes by Sugar, Cytokinin and ABA in Sweet Potato (<i>Ipomoea batatas</i> Lam.)		Nagata T, et al.	2009	10.1626/pps 12.434
	<i>Ipomoea</i> (1)	Alternative Experimental Method Using a FRP Pot for Evaluating Wet Damage in Soybean and Morning Glory Grown under Excess Soil Water Conditions	Asakura S, et al.	2013	10.1626/pps 16.280
	Beniharuka (1)	Yield-enhancing and tuber-downsizing effects of transplantation cultivation method of case-held tuber seedlings in the sweet potato cultivar Beniharuka	Adachi K, et al.	2016	10.1080/1343943X.2015.1128086

Sweet potato (continued)	Koganesengan (1)	Activation of ADP-Glucose Pyrophosphorylase Gene Promoters by a WRKY Transcription Factor, AtWRKY20, in <i>Arabidopsis thaliana</i> L. and Sweet Potato (<i>Ipomoea batatas</i> Lam.)	Nagata T, et al.	2012	10.1626/pps .15.10
	Murasakimasari (1)	Transplantation of Half-Cut Tuber Seedlings Provides Enhanced Yields Over Conventional Sprouted-Vine Planting in Sweet Potato Cultivar "Murasakimasari"	Adachi K, et al.	2011	10.1626/pps .14.291
Taro (2)		Morphological Studies on the Mobilization of Reserves in Japanese Yam (<i>Dioscorea japonica</i> Thunb.) Seed Tuber and Eddo (<i>Colocasia esculenta</i> Schott var. <i>antiquorum</i> Hubbard & Rehder) Seed Corm on and after Sprouting	Kawasaki M, et al.	2001	10.1626/pps .4.304
		Localization of Casparian Bands and Crystal Cells in Relation to Aluminum Distribution in the Primary Root of Eddo under Aluminum Treatment	Kawasaki M, et al.	2008	10.1626/pps .11.238
Turmeric (6)	Turmeric color (1)	Growth, Yield and Quality of Turmeric (<i>Curcuma longa</i> L.) Cultivated on Dark-red Soil, Gray Soil and Red Soil in Okinawa, Japan	Hossain MA, et al.	2005	10.1626/pps .8.482
	Turmeric growth and yield (1)	Effects of Application of N, P and K Alone or in Combination on Growth, Yield and Curcumin Content of Turmeric (<i>Curcuma longa</i> L.)	Akamine H, et al.	2007	10.1626/pps .10.151
	Turmeric yield (4)	Optimal Planting Depth for Turmeric (<i>Curcuma longa</i> L.) Cultivation in Dark Red Soil in Okinawa Island, Southern Japan	Ishimine Y, et al.	2003	10.1626/pps .6.83
		Effects of Planting Pattern and Planting Distance on Growth and Yield of Turmeric (<i>Curcuma longa</i> L.)	Hossain A, et al.	2005	10.1626/pps .8.95
		Effects of Farmyard Manure on Growth and Yield of Turmeric (<i>Curcuma longa</i> L.) Cultivated in Dark-Red Soil, Red Soil and Gray Soil in Okinawa, Japan	Hossain MA, et al.	2007	10.1626/pps .10.146
		Effects of Relative Light Intensity on the Growth, Yield and Curcumin Content of Turmeric (<i>Curcuma longa</i> L.) in Okinawa, Japan	Hossain MA, et al.	2009	10.1626/pps .12.29
Yam (4)	Yam (3)	Morphological Studies on the Mobilization of Reserves in Japanese Yam (<i>Dioscorea japonica</i> Thunb.) Seed Tuber and Eddo (<i>Colocasia esculenta</i> Schott var. <i>antiquorum</i> Hubbard & Rehder) Seed Corm on and after Sprouting	Kawasaki M, et al.	2001	10.1626/pps .4.304
		Dynamics of Amyloplast Sedimentation in Growing Yam Tubers and Its Possible Role in Graviperception	Kawasaki M, et al.	2008	10.1626/pps .11.393
		Effects of the Direction of Gravistimulation on Tuber Formation and Amyloplast Distribution in Tuber Tips of Chinese Yam	Kawasaki M, et al.	2014	10.1626/pps .17.298
	Yamanoimo (1)	Structural Changes and Fate of Crystalloplastids during Growth of Calcium Oxalate Crystal Idioblasts in Japanese Yam (<i>Dioscorea japonica</i> Thunb.) Tubers	Kawasaki M, et al.	2004	10.1626/pps .7.283