

PPS Keyword List: Keywords related to analysis, index, etc. from PPS vol. 1 - 20

ANALYSIS, INDEX, etc. (166)

Keyword		Article title (downloadable pdf link)	Author	Year	DOI
3-D analysis (1)		Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors. II. Spatial measurement of single root elongation	Shimotashiro T, et al.	1998	10.1626/pps.1.248
Acoustic emission (2)		Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors. I. Vertical measurement of single root elongation	Shimotashiro T, et al.	1998	10.1626/pps.1.25
		Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors. II. Spatial measurement of single root elongation	Shimotashiro T, et al.	1998	10.1626/pps.1.248
AMMI model (1)		Stability analysis of seven agronomic traits for soybean [(<i>Glycine max</i> (L.) Merr.] Tokachi nagaha and its derived cultivars using the AMMI model	Liu Z, et al.	2017	10.1080/1343943X.2017.1358095
Analysis (3)		Near-Infrared Reflectance Spectroscopic Analysis of Moisture, Fat, Protein, and Physiological Activity in Buckwheat Flour for Breeding Selection	Sato T, et al.	2001	10.1626/pps.4.270
		Nondestructive Near-Infrared Reflectance Spectroscopy of Sesame (<i>Sesamum indicum</i> L.) Components by Single Seed Analysis	Sato T, et al.	2006	10.1626/pps.9.161
		Use of Near-infrared Reflectance Spectroscopy for the Estimation of the Isoflavone Contents of Soybean Seeds	Sato T, et al.	2008	10.1626/pps.11.481
Angle of incidence (1)		Spatial and Temporal Variation in Photon Flux Density on Rice (<i>Oryza sativa</i> L.) Leaf Surface	Nishimura S, et al.	1998	10.1626/pps.1.30
Area time equivalent ratio (1)		Growth, Yield and Land Use Efficiency of Corn and Legumes Grown under Intercropping Systems	Polthanee A, et al.	2003	10.1626/pps.6.139
Arrhenius equation (1)		Estimating the Temperature Dependence of Germination Time by Assuming Multiple Rate-Determining Steps	Hara Y, et al.	2005	10.1626/pps.8.361
Arrhenius plot (1)		Cold- or Heat-Tolerance of Leaves and Roots in Perennial Ryegrass Determined by ¹H-NMR	Iwaya-Inoue M, et al.	2004	10.1626/pps.7.118
Biplot analysis (1)		Analysis of Genotype-by-Environment Interaction for Agronomic Traits of Durum Wheat in Iran	Mohammadi R, et al.	2011	10.1626/pps.14.15
Canonical discriminant analysis (1)		Phenotypic Plasticity of Vegetable Amaranth, <i>Amaranthus tricolor</i> L. under a Natural Climate	Khanam UKS, et al.	2014	10.1626/pps.17.166
Canonical variate analysis (1)		Hagberg Falling Number and Rheological Properties of Wheat Cultivars in Wet and Dry Preharvest Periods	Dencic S, et al.	2013	10.1626/pps.16.342
Canopy reflectance spectra (1)		Analysis of Common Canopy Reflectance Spectra for Indicating Leaf Nitrogen Concentrations in Wheat and Rice	Zhu Y, et al.	2007	10.1626/pps.10.400
Color/Colour (5)	CIELAB (2)	Variations in the Seed Coat Colour of Adzuki Beans in the Aspects of Varieties, Harvest Years and Growing Locations, using Two-Dimensional Colour Mapping	Kato J, et al.	2000	10.1626/pps.3.61
		Two Alternative Methods to Predict Amylose Content of Rice Grain by Using Tristimulus CIE Lab Values and Developing a Specific Color Board of Starch-iodine Complex Solution	Avaro MRA, et al.	2011	10.1626/pps.14.164
	Color chart (2)	A Simple and Low-Cost Method to Classify Amylose Content of Rice Using a Standard Color Chart	Avaro MRA, et al.	2009	10.1626/pps.12.97
		Two Alternative Methods to Predict Amylose Content of Rice Grain by Using Tristimulus CIE Lab Values and Developing a Specific Color Board of Starch-iodine Complex Solution	Avaro MRA, et al.	2011	10.1626/pps.14.164
	Colour mapping (1)	Variations in the Seed Coat Colour of Adzuki Beans in the Aspects of Varieties, Harvest Years and Growing Locations, using Two-Dimensional Colour Mapping	Kato J, et al.	2000	10.1626/pps.3.61
Combined analysis (1)		Genotypic and Phenotypic Variances and Covariances in Early Maturing Grain Sorghum in a Double Cropping	Can ND, et al.	1999	10.1626/pps.2.67
Competitive ratio (1)		Performance of double cropping and relay intercropping for black soybean production in small-scale farms	Yamane K, et al.	2016	10.1080/1343943X.2016.1164574
Correlation (2)		Genotypic and Phenotypic Variances and Covariances in Early Maturing Grain Sorghum in a Double Cropping	Can ND, et al.	1999	10.1626/pps.2.67
		Sorghum Diversity Evaluated by Simple Sequence Repeat (SSR) Markers and Phenotypic Performance	Anas, et al.	2004	10.1626/pps.7.301
Cross-validation (1)		Statistical Models for Prediction of Dry Weight and Nitrogen Accumulation Based on Visible and Near-Infrared Hyper-Spectral Reflectance of Rice Canopies	Takahashi W, et al.	2000	10.1626/pps.3.377
Data assimilation (1)		Assimilating Remotely Sensed Information with the WheatGrow Model Based on the Ensemble Square Root Filter for Improving Regional Wheat Yield Forecasts	Huang Y, et al.	2013	10.1626/pps.16.352
Degree of polarization (1)		A Portable Spectropolarimeter for Field Crop Canopies: Distinguishing species and cultivars of fully developed canopies by polarized light	Shibayama M, et al.	2002	10.1626/pps.5.311

Degree of polymerization (1)	Nonstructural Carbohydrate Reserves in Roots and the Ability of Temperate Perennial Grasses to Overwinter in Early Growth Stages	Tamura Y, et al.	2001	10.1626/pps.4.56	
Design II (1)	Combining Ability in the Rice Lines Selected for Direct-Seeding in Flooded Paddy Field	Won JG, et al.	2000	10.1626/pps.3.366	
Diallel analysis (1)	Genetic Diversity of Regeneration Ability in Anther Culture of Rice (<i>Oryza sativa</i> L.)	Sugimoto K, et al.	2000	10.1626/pps.3.387	
Difference vegetation indices (DVI) (3)	A Portable Spectropolarimeter for Field Crop Canopies: Distinguishing species and cultivars of fully developed canopies by polarized light	Shibayama M, et al.	2002	10.1626/pps.5.311	
	Analysis of Common Canopy Reflectance Spectra for Indicating Leaf Nitrogen Concentrations in Wheat and Rice	Zhu Y, et al.	2007	10.1626/pps.10.400	
	Estimating Rice Leaf Greenness (SPAD) Using Fixed-Point Continuous Observations of Visible Red and Near Infrared Narrow-Band Digital Images	Shibayama M, et al.	2012	10.1626/pps.15.293	
Differential display analysis (2)	Analysis of Heat-Stress Responsive Genes in <i>Aneurolepidium chinense</i> Leaves by Differential Display	Shi W, et al.	2002	10.1626/pps.5.229	
	Cloning of a Cytochrome P450 Gene Induced by Ethylene Treatment in Deepwater Rice (<i>Oryza sativa</i> L.)	Watanabe H, et al.	2008	10.1626/pps.11.124	
Drought tolerance index (1)	Photosynthetic response and nitrogen use efficiency of sugarcane under drought stress conditions with different nitrogen application levels	Dinh TH, et al.	2017	10.1080/1343943X.2017.1371570	
Electrical conductivity (2)	Relationships between nutrients and sucrose concentrations in sugarcane juice and use of juice analysis for nutrient diagnosis in Japan	Watanabe K, et al.	2016	10.1080/1343943X.2015.1128106	
	Effects of poultry manure on soil solution electrical conductivity and early growth of <i>Monochoria vaginalis</i>	Watanabe H, et al.	2017	10.1080/1343943X.2016.1246064	
Empirical coefficient (1)	Decadal and Monthly Change of an Empirical Coefficient in the Relation between Solar Radiation and the Daily Range of Temperature in Japan: Implications for the Estimation of Solar Radiation Based on Temperature	Hossain S, et al.	2014	10.1626/pps.17.333	
Extinction coefficient (1)	Effects of Reduction in Plant Height Induced by Chloromequat on Radiation Interception and Radiation-Use Efficiency in Wheat in Southwest Japan	Toyota M, et al.	2010	10.1626/pps.13.67	
Feed analysis (1)	Feeding Value and In situ Digestibility of Edible Canna for Silage	Jun H, et al.	2006	10.1626/pps.9.408	
Fluence rate (1)	Developmental Responses of Wheat cv. Norin 61 to Fluence Rate of Green Light	Kasajima S, et al.	2008	10.1626/pps.11.76	
Fractal (4)	Fractal (1)	Fractal and Multifractal Analysis of Cassava Root System Grown by the Root-Box Method	Izumi Y, et al.	2002	10.1626/pps.5.146
	Fractal dimension (1)	Local Fractal Dimensions and Multifractal Analysis of the Root System of Legumes	Ketipearachchi WK, et al.	2000	10.1626/pps.3.289
	Multifractal (2)	Local Fractal Dimensions and Multifractal Analysis of the Root System of Legumes	Ketipearachchi WK, et al.	2000	10.1626/pps.3.289
		Fractal and Multifractal Analysis of Cassava Root System Grown by the Root-Box Method	Izumi Y, et al.	2002	10.1626/pps.5.146
Functional variable (1)	Phenotypic Plasticity of Vegetable Amaranth, <i>Amaranthus tricolor</i> L. under a Natural Climate	Khanam UKS, et al.	2014	10.1626/pps.17.166	
Genetic analysis (1)	Breeding efforts to mitigate damage by heat stress to spikelet sterility and grain quality	Ishimaru T, et al.	2016	10.1080/1343943X.2015.1128113	
Genetic correlation (4)	Effects of Selection for Yield Components on Grain Yield in Pearl Millet (<i>Pennisetum typhoides</i> Rich.)	Totok ADH, et al.	1998	10.1626/pps.1.52	
	Genetic and Environmental Variations and Associations of the Characters Related to the Grain-Filling Process in Rice Cultivars	Kato T.	1999	10.1626/pps.2.32	
	Heritability and Genetic Correlation of AI-Tolerance with Several Agronomic Characters in Sorghum Assessed by Hematoxylin Staining	Anas, et al.	2004	10.1626/pps.7.280	
	Variation and Association of the Traits Related to Grain Filling in Several Extra-Heavy Panicle Type Rice under Different Environments	Kato T.	2010	10.1626/pps.13.185	
Genotypic parameter (1)	Predicting the Protein Content of Grain in Winter Wheat with Meteorological and Genotypic Factors	Pan J, et al.	2006	10.1626/pps.9.323	
Geostatistics (1)	Geostatistical Analysis of Yield, Soil Properties and Crop Management Practices in Paddy Rice Fields	Inamura T, et al.	2004	10.1626/pps.7.230	
Growth analysis (3)	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 Kosen under Ambient and Elevated CO ₂	Usuda H.	2004	10.1626/pps.7.386	
	Comparison of Young Seedling Growth and Sodium Distribution among <i>Sorghum</i> Plants under Salt Stress	Chaugool J, et al.	2013	10.1626/pps.16.261	

Growth analysis (continued)		A high seed yield and associated attributes of dry matter production achieved by recent Japanese soybean cultivars	Maitree L, et al.	2017	10.1080/1343943X.2017.1294463
Growth curve (1)		Analysis of Successive Internode Growth in Sweet Sorghum Using Leaf Number as a Plant Age Indicator	Nakamura S, et al.	2011	10.1626/pps.14.299
Growth parameter (1)		Growth of High-Yielding Soybeans and its Relation to Air Temperature in Xinjiang, China	Isoda A, et al.	2010	10.1626/pps.13.209
Hagberg falling number (1)		Hagberg Falling Number and Rheological Properties of Wheat Cultivars in Wet and Dry Preharvest Periods	Dencic S, et al.	2013	10.1626/pps.16.342
Hargreaves and Samani model (1)		Decadal and Monthly Change of an Empirical Coefficient in the Relation between Solar Radiation and the Daily Range of Temperature in Japan: Implications for the Estimation of Solar Radiation Based on Temperature	Hossain S, et al.	2014	10.1626/pps.17.333
Harvest index (12)	Harvest index (10)	Genotypic and Phenotypic Variances and Covariances in Early Maturing Grain Sorghum in a Double Cropping	Can ND, et al.	1999	10.1626/pps.2.67
		Effect of Soil Compaction on the Grain Yield of Rice (<i>Oryza sativa</i> L.) under Water-Deficit Stress during the Reproductive Stage	Hoque M, et al.	2000	10.1626/pps.3.316
		The Effects of Figaron and Water Deficit on Seed Yield of Two Soybean Cultivars	Nahar BS, et al.	2002	10.1626/pps.5.124
		Agronomic Performance of F1 Hybrids of Rice (<i>Oryza sativa</i> L.) in Japonica-Indica Crosses: Heterosis for and relationship between grain yield and related characters	Murayama S, et al.	2002	10.1626/pps.5.203
		Contribution of Biomass Partitioning and Translocation to Grain Yield under Sub-Optimum Growing Conditions in Irrigated Rice	Laza MRC, et al.	2003	10.1626/pps.6.28
		Drought Tolerance Characteristics of Brazilian Soybean Cultivars: Evaluation and characterization of drought tolerance of various Brazilian soybean cultivars in the field	Oya T, et al.	2004	10.1626/pps.7.129
		The Relationship between Dry Matter Increase of Seed and Shoot during the Seed-Filling Period in Three Kinds of Soybeans with Different Growth Habits Subjected to Shading and Thinning	Kakiuchi J, et al.	2006	10.1626/pps.9.20
		Growth of Three Rice Cultivars (<i>Oryza sativa</i> L.) under Upland Conditions with Different Levels of Water Supply. 2. Grain Yield	Kato Y, et al.	2006	10.1626/pps.9.435
		Influence of Temperature Shift after Flowering on Dry Matter Partitioning in Two Cultivars of Snap Bean (<i>Phaseolus vulgaris</i>) that Differ in Heat Tolerance	Omae H, et al.	2007	10.1626/pps.10.14
		Genotypic Differences in Dry Matter Accumulation, Nitrogen Use Efficiency and Harvest Index in Recombinant Inbred Lines of Rice under Hydroponic Culture	Ju J, et al.	2009	10.1626/pps.12.208
	Harvest index in the carbon (1)	High Carbon Requirements for Seed Production in Soybeans [<i>Glycine max</i> (L.) Merr.]	Kakiuchi J, et al.	2008	10.1626/pps.11.198
	Harvest index in the dry weight (1)	High Carbon Requirements for Seed Production in Soybeans [<i>Glycine max</i> (L.) Merr.]	Kakiuchi J, et al.	2008	10.1626/pps.11.198
Hyper-spectra (1)		Statistical Models for Prediction of Dry Weight and Nitrogen Accumulation Based on Visible and Near-Infrared Hyper-Spectral Reflectance of Rice Canopies	Takahashi W, et al.	2000	10.1626/pps.3.377
Image analysis (9)	Image analysis (2)	Establishment of a Quantitative Evaluation Method of Rice Plant Type Using P-type Fourier Descriptors	Suzuki K, et al.	2011	10.1626/pps.14.105
		A Quick Method to Estimate Root Length in Each Diameter Class Using Freeware ImageJ	Tajima R, et al.	2013	10.1626/pps.16.9
	Imagery analysis (1)	An application of digital imagery analysis to understand the effect of N application on light interception, radiation use efficiency, and grain yield of maize under various agro-environments in Northern Mozambique	Tsujimoto Y, et al.	2017	10.1080/1343943X.2016.1240013
	ImageJ (1)	A Quick Method to Estimate Root Length in Each Diameter Class Using Freeware ImageJ	Tajima R, et al.	2013	10.1626/pps.16.9
	Digital image (3)	Daytime and Nighttime Field Spectral Imagery of Ripening Paddy Rice for Determining Leaf Greenness and 1000-Grain Weight	Shibayama M, et al.	2009	10.1626/pps.12.307
		A Multiband Polarimetric Imager for Field Crop Survey: Instrumentation and Preliminary Observations of Heading-stage Wheat Canopies	Shibayama M, et al.	2011	10.1626/pps.14.64
		Multi-Band Spectrum Camera (MBSC) for Automatic Fixed-Point Reflectance Image Collection in a Crop Field	Shibayama M, et al.	2011	10.1626/pps.14.391
	Digital image analysis (1)	Carbohydrate Metabolism During Wintering Period in Four Zoysiagrass Genotypes	Pompeiano A, et al.	2015	10.1626/pps.18.43
WinRHIZO (1)	A Quick Method to Estimate Root Length in Each Diameter Class Using Freeware ImageJ	Tajima R, et al.	2013	10.1626/pps.16.9	

Immuno-localization (2)	Immuno-localization (1)	Immunogold Labeling of Rubisco in C ₄ Plant Leaves for Scanning Electron Microscopy	Miyake H, et al.	2001	10.1626/pps.4.41
	Immunogold localization (1)	Gene Expression and Accumulation of Rubisco in Bundle Sheath and Mesophyll Cells during Leaf Development and Senescence in Rice, a C ₃ Plant	Tsutsumi K, et al.	2008	10.1626/pps.11.336
Independence chain algorithm (1)		Bayesian analysis of quantitative traits in popcorn (<i>Zea mays</i> L.) through four cycles of recurrent selection	do Amaral Jr AT, et al.	2016	10.1080/1343943X.2016.1222870
Institutional analysis (1)		Extension Policy at the National Level in Asia	Sulaiman VR, et al.	2005	10.1626/pps.8.308
Km (1)		Screening of High kcat Rubisco among Poaceae for Improvement of Photosynthetic CO ₂ Assimilation in Rice	Ishikawa C, et al.	2009	10.1626/pps.12.345
Land equivalent ratio (LER) (1)		Effect of Supplementing Inorganic Fertilizer with Organic Fertilizer on Growth and Yield of Rice-Cowpea Mixed Crop	Amoah AA, et al.	2012	10.1626/pps.15.109
Leaf area index (LAI) (10)		Seasonal Profiles of Polarized Reflectance and Leaf Inclination Distribution of Wheat Canopies	Shibayama M.	2004	10.1626/pps.7.397
		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
		A Quantitative Knowledge-based Model for Designing Suitable Growth Dynamics in Rice	Yan D, et al.	2006	10.1626/pps.9.93
		High Yielding Performance of Soybean in Northern Xinjiang, China	Isoda A, et al.	2006	10.1626/pps.9.401
		Spatial Distribution of Leaf Area Index and Leaf N Content in Relation to Grain Yield and Nitrogen Uptake in Rice	Jing Q, et al.	2007	10.1626/pps.10.136
		Estimating Paddy Rice Leaf Area Index with Fixed Point Continuous Observation of Near Infrared Reflectance Using a Calibrated Digital Camera	Shibayama M, et al.	2011	10.1626/pps.14.30
		Regression-Based Models to Predict Rice Leaf Area Index Using Biennial Fixed Point Continuous Observations of Near Infrared Digital Images	Shibayama M, et al.	2011	10.1626/pps.14.365
		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
		Maintenance of Crop Growth through 30 Days after Silking Contributes to Achieving Super-High Yield of Spring Maize	Tao H, et al.	2014	10.1626/pps.17.268
		Analysis of yield-attributing traits for high-yielding wheat lines in southwestern Japan	Okami M, et al.	2016	10.1080/1343943X.2016.1151331
Light extinction coefficient (1)		Performance of a High-Yielding Modern Rice Cultivar Takanari and Several Old and New Cultivars Grown with and without Chemical Fertilizer in a Submerged Paddy Field	Taylaran RD, et al.	2009	10.1626/pps.12.365
Linkage analysis (1)		Identification of RAPD Markers and Development of SCAR Markers Linked to a Powdery Mildew Resistance Gene, and their Location on Chromosome in Wheat Cultivar Brock	Wang Z, et al.	2005	10.1626/pps.8.578
LM-micrograph (1)		Anatomical Changes during in Vitro Direct Formation of Shoot Bud from Root Tips in Garlic (<i>Allium sativum</i> L.)	Haque MS, et al.	1999	10.1626/pps.2.146
Logistic function (2)		Calculation of Population Parameters using Richards Function and Application of Indices of Growth and Seed Vigor to Rice Plants	Hara Y.	1999	10.1626/pps.2.129
		Changes in radiation interception and R:FR over time and with canopy depth of two soybean cultivars with different branching characteristics	Toyota M, et al.	2017	10.1080/1343943X.2017.1294464
Multiple regression (1)		Factors in the Reduction in Grain Number in Winter Wheat by Early-Sowing in Yamaguchi	Zhang L, et al.	2007	10.1626/pps.10.189
Multivariate analysis (1)		Geostatistical Analysis of Yield, Soil Properties and Crop Management Practices in Paddy Rice Fields	Inamura T, et al.	2004	10.1626/pps.7.230
Nitrogen nutrition index (1)		SPAD Values and Nitrogen Nutrition Index for the Evaluation of Rice Nitrogen Status	Yang H, et al.	2014	10.1626/pps.17.81
Non-destructive (5)	Non-destructive (2)	Nondestructive Near-Infrared Reflectance Spectroscopy of Sesame (<i>Sesamum indicum</i> L.) Components by Single Seed Analysis	Sato T, et al.	2006	10.1626/pps.9.161
		Use of Near-infrared Reflectance Spectroscopy for the Estimation of the Isoflavone Contents of Soybean Seeds	Sato T, et al.	2008	10.1626/pps.11.481
	Non-destructive analysis (1)	Nondestructive Near-Infrared Reflectance Spectroscopic Analyses of the Major Constituents of Sesame (<i>Sesamum indicum</i> L.) Whole Seeds with Different Coat Color	Sato T, et al.	2004	10.1626/pps.7.363
	Non-destructive measurement (1)	Nondestructive Measurements of Lipid Content and Fatty Acid Composition in Rapeseeds (<i>Brassica napus</i> L.) by Near Infrared Spectroscopy	Sato T.	2008	10.1626/pps.11.146
	Non-destructive method (1)	Non-destructive Method for Root Elongation Measurement in Soil Using Acoustic Emission Sensors. I. Vertical measurement of single root elongation	Shimotashiro T, et al.	1998	10.1626/pps.1.25
Optical density (1)		A Simple Method for Quantitative Estimation of Rhizosphere pH along Root Axes through Visualization	Rao TP, et al.	2000	10.1626/pps.3.94

Oxidative stability (1)	Influence of the Site of Cultivation on Chétoui Olive (<i>Olea europaea</i> L.) Oil Quality	Ben Youssef N, et al.	2012	10.1626/pps .15.228
Panicle harvest index (1)	Field Technique and Traits to Assess Reproductive Stage Cold Tolerance in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	Krishnamurthy L, et al.	2014	10.1626/pps .17.218
Parameterization (1)	Parameterization, Validation and Comparison of Three Tillering Models for Irrigated Rice in the Tropics	Zhong X, et al.	1999	10.1626/pps .2.258
Partial least squares (PLS) (1)	Statistical Models for Prediction of Dry Weight and Nitrogen Accumulation Based on Visible and Near-Infrared Hyper-Spectral Reflectance of Rice Canopies	Takahashi W, et al.	2000	10.1626/pps .3.377
Path analysis (1)	Path analysis of genotype × environment interactions in rainfed durum wheat	Mohammadi R, et al.	2016	10.1080/13 43943X.20 15.1128100
Pedigree analysis (2)	Difference with Rice Cultivars in the Rate of Root Regeneration from Embryo Callus and Its Relationship with the Genetic Background	Yoshida T, et al.	1998	10.1626/pps .1.296
	Pedigree Analysis of Early Maturing Wheat Cultivars in Japan for Breeding Cultivars with Higher Performance	Ushiyama T, et al.	2009	10.1626/pps .12.80
Phosphate adsorption coefficient (1)	Distribution of Arbuscular Mycorrhizal Fungi in Upland Field Soil of Japan. 2. Spore Density of Arbuscular Mycorrhizal Fungi and Infection Ratio in Soybean and Maize Fields	Isobe K, et al.	2008	10.1626/pps .11.171
Photosynthetic parameter (2)	The Effects of Figaron and Water Deficit on Seed Yield of Two Soybean Cultivars	Nahar BS, et al.	2002	10.1626/pps .5.124
	Assessing Drought Tolerance of Snap Bean (<i>Phaseolus vulgaris</i>) from Genotypic Differences in Leaf Water Relations, Shoot Growth and Photosynthetic Parameters	Omae H, et al.	2007	10.1626/pps .10.28
Plant growth modelling (1)	Allometric Relationships of Maize Organ Development under Different Water Regimes and Plant Densities	Song Y, et al.	2015	10.1626/pps .18.1
Polarized reflectance (2)	A Portable Spectropolarimeter for Field Crop Canopies: Distinguishing species and cultivars of fully developed canopies by polarized light	Shibayama M, et al.	2002	10.1626/pps .5.311
	Seasonal Profiles of Polarized Reflectance and Leaf Inclination Distribution of Wheat Canopies	Shibayama M.	2004	10.1626/pps .7.397
Population parameter (1)	Calculation of Population Parameters using Richards Function and Application of Indices of Growth and Seed Vigor to Rice Plants	Hara Y.	1999	10.1626/pps .2.129
Principal component analysis (PCA) (5)	Diversity of the Rachis-Branching System in a Panicle in Japonica Rice	Yamagishi J, et al.	2003	10.1626/pps .6.59
	Developmental Responses of Wheat cv. Norin 61 to Fluence Rate of Green Light	Kasajima S, et al.	2008	10.1626/pps .11.76
	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
	Genotypic Diversity of Cross-Tolerance to Oxidative and Drought Stresses in Rice Seedlings Evaluated by the Maximum Quantum Yield of Photosystem II and Membrane Stability	Iseki K, et al.	2013	10.1626/pps .16.295
	Phenotypic Plasticity of Vegetable Amaranth, <i>Amaranthus tricolor</i> L. under a Natural Climate	Khanam UKS, et al.	2014	10.1626/pps .17.166
Proteome analysis (1)	Susceptibility to Coolness at the Young Microspore Stage under High Nitrogen Supply in Rice (<i>Oryza Sativa</i> L.): Proteome Analysis of Mature Anthers	Hayashi T, et al.	2006	10.1626/pps .9.212
P-type Fourier descriptors (1)	Establishment of a Quantitative Evaluation Method of Rice Plant Type Using P-type Fourier Descriptors	Suzuki K, et al.	2011	10.1626/pps .14.105
QTL analysis (1)	Alleles Affecting 30 Traits for Productivity in Two Japonica Rice Varieties, Koshihikari and Nipponbare (<i>Oryza sativa</i> L.)	Ujii K, et al.	2014	10.1626/pps .17.47
Quantitative analysis (1)	Sensory Test for Aroma and Quantitative Analysis of 2-Acetyl-1-Pyrroline in Asian Aromatic Rice Varieties	Hien NL, et al.	2006	10.1626/pps .9.294
Quantitative evaluation (1)	Establishment of a Quantitative Evaluation Method of Rice Plant Type Using P-type Fourier Descriptors	Suzuki K, et al.	2011	10.1626/pps .14.105
Quantum efficiency (3)	Inclination Angle Affects Ozone Injury in the Flag Leaf of Rice	Kobayakawa H, et al.	2013	10.1626/pps .16.24
	Relation between O ₃ -Inhibition of Photosynthesis and Ethylene in Paddy Rice Grown under Different CO ₂ Concentrations	Kobayakawa H, et al.	2015	10.1626/pps .18.22
	Exogenous ascorbic acid scarcely ameliorates inhibition of photosynthesis in rice leaves by O ₃	Kobayakawa H, et al.	2017	10.1080/13 43943X.20 16.1232149
Radiation absorbance (1)	Analysis of Spectral Measurements in Paddy Field for Predicting Rice Growth and Yield Based on a Simple Crop Simulation Model	Inoue Y, et al.	1998	10.1626/pps .1.269
Radiation conversion factor (1)	Unlocking the Yield Barrier in Rice through a Nitrogen-Led Improvement in the Radiation Conversion Factor	Sheehy J, et al.	2000	10.1626/pps .3.372
Ratio vegetation index (RVI) (1)	Analysis of Common Canopy Reflectance Spectra for Indicating Leaf Nitrogen Concentrations in Wheat and Rice	Zhu Y, et al.	2007	10.1626/pps .10.400
Response spectrum (1)	Response Spectrum for Green Light-Induced Acceleration of Heading in Wheat cv. Norin 61	Kasajima S, et al.	2009	10.1626/pps .12.54

Richards function (1)	Calculation of Population Parameters using Richards Function and Application of Indices of Growth and Seed Vigor to Rice Plants	Hara Y.	1999	10.1626/pps .2.129
Root depth index (1)	Deep Rooting in Winter Wheat: Rooting Nodes of Deep Roots in Two Cultivars with Deep and Shallow Root Systems	Araki H, et al.	2001	10.1626/pps .4.215
Semivariogram (1)	Effects of Tillage on Along-Row Variability of Wheat and Maize Biomass	Nakamoto T, et al.	2003	10.1626/pps .6.295
Stability analysis (1)	Stability analysis of seven agronomic traits for soybean [(<i>Glycine max</i> (L.) Merr.] Tokachi nagaha and its derived cultivars using the AMMI model	Liu Z, et al.	2017	10.1080/13 43943X.20 17.1358095
Stable isotope analysis (1)	Effects of Subsoiling to the Non-tilled Field of Wheat-Soybean Rotation on the Root System Development, Water Uptake, and Yield	Izumi Y, et al.	2009	10.1626/pps .12.327
Standardization (1)	Comparison and Standardization among Chlorophyll Meters in their Readings on Rice Leaves	Huang J, et al.	2004	10.1626/pps .7.97
Taxonomic analysis (1)	Genetic Diversity among Wild Resources of the Genus <i>Boehmeria</i> Jacq. from West China Determined Using Inter-simple Sequence Repeat and Rapid Amplification of Polymorphic DNA Markers	Liu LJ, et al.	2009	10.1626/pps .12.88
Temperature coefficient (2)	Effects of Dark Respiration on Dry Matter Production of Field Grown Rice Stand: Comparison of growth efficiencies in 1991 and 1992	Saitoh K, et al.	1998	10.1626/pps .1.106
	Factors Causing the Variation in the Temperature Coefficient of Dark Respiration in Rice (<i>Oryza sativa</i> L.)	Lee KH, et al.	2000	10.1626/pps .3.38
Unweighted pair-group method of arithmetic average cluster analysis (UPGMA) (1)	Genetic Diversity among Wild Resources of the Genus <i>Boehmeria</i> Jacq. from West China Determined Using Inter-simple Sequence Repeat and Rapid Amplification of Polymorphic DNA Markers	Liu LJ, et al.	2009	10.1626/pps .12.88
Validation (1)	Parameterization, Validation and Comparison of Three Tillering Models for Irrigated Rice in the Tropics	Zhong X, et al.	1999	10.1626/pps .2.258
Vapor-pressure deficit (VPD) (3)	Leaf Temperature and Transpiration of Field Grown Cotton and Soybean under Arid and Humid Conditions	Isoda A, et al.	2002	10.1626/pps .5.224
	Transpiration and Leaf Movement of Cotton Cultivars Grown in the Field under Arid Conditions	Wang C, et al.	2004	10.1626/pps .7.266
	Effects of Temperature, Solar Radiation, and Vapor-Pressure Deficit on Flower Opening Time in Rice	Kobayasi K, et al.	2010	10.1626/pps .13.21
Vapor-pressure difference (VPD) (1)	Response of Leaf Photosynthesis to Vapor Pressure Difference in Rice (<i>Oryza sativa</i> L) Varieties in Relation to Stomatal and Leaf Internal Conductance	Ohsumi A, et al.	2008	10.1626/pps .11.184
Variance component (1)	Genetic and Environmental Variations and Associations of the Characters Related to the Grain-Filling Process in Rice Cultivars	Kato T.	1999	10.1626/pps .2.32
Vegetation cover ratio (1)	Interseeding a Cover Crop as a Weed Management Tool is More Compatible with Soybean than with Maize in Organic Farming Systems	Uchino H, et al.	2015	10.1626/pps .18.187
View zenith angle (1)	Testing Polarization Measurements with Adjusted View Zenith Angles in Varying Illumination Conditions for Detecting Leaf Orientation of Wheat Canopy	Shibayama M, et al.	2008	10.1626/pps .11.498
Vigour of mother tubers on 9-point scale (1)	Assessment of Potato Mother Tuber Vigour Using the Method of Accelerated Ageing	Rykaczewska K.	2013	10.1626/pps .16.171
Virtual water (1)	Increasing Water Productivity in Rice-Based Systems in Asia: Past Trends, Current Problems, and Future Prospects	Dawe D.	2005	10.1626/pps .8.221
Yield category (1)	Maintenance of Crop Growth through 30 Days after Silking Contributes to Achieving Super-High Yield of Spring Maize	Tao H, et al.	2014	10.1626/pps .17.268
Zeleny Test (1)	Effect of Genotype, Environment and Their Interaction on Quality Parameters of Wheat Breeding Lines of Diverse Grain Hardness	Surma M, et al.	2012	10.1626/pps .15.192