

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

### CARBON (43)

Keyword	Article title (downloadable pdf link)	Author	Year	DOI	
Carbon (19)	Carbon (1)	Dry-Matter Partitioning and Accumulation of Carbon and Nitrogen during Ripening in a Female-Sterile Line of Rice	Kato M, et al.	2006	10.1626/pps.9.185
	Carbon exchange rate (1)	A Multichannel Automated Chamber System for Continuous Measurement of Carbon Exchange Rate of Rice Canopy	Katsura K, et al.	2006	10.1626/pps.9.152
	Carbon gain (1)	Changes in Vertical Distribution of Leaf Nitrogen with the Growth Stage and the Influence on Dry Matter Production in Rice	Hasegawa T.	1999	10.1626/pps.2.37
	Carbon isotope discrimination (2)	Overexpression of C <sub>4</sub> Phosphoenolpyruvate Carboxylase Increased Carbon Isotope Discrimination in Transgenic Rice Plants	Agarie S, et al.	2001	10.1626/pps.4.311
		Mapping of QTLs Controlling Carbon Isotope Discrimination in the Photosynthetic System using Recombinant Inbred Lines Derived from a Cross between Two Different Rice ( <i>Oryza sativa</i> L.) Cultivars	Takai T, et al.	2006	10.1626/pps.9.271
	Carbon partitioning (1)	Characterization of a Maize Sucrose-phosphate Synthase Protein and Its Effect on Carbon Partitioning in Transgenic Rice Plants	Ono K, et al.	1999	10.1626/pps.2.172
	Carbon source (1)	Effects of Various Carbon Sources and Their Combinations on <i>in vitro</i> Growth and Photosynthesis of Banana Plantlets	Buah JN, et al.	2000	10.1626/pps.3.392
	Carbonic anhydrase (1)	Photosynthetic Recovery of a Perennial Grass <i>Leymus chinensis</i> after Different Periods of Soil Drought	Xu ZZ, et al.	2007	10.1626/pps.1.0.277
	<sup>13</sup> C (3)	Effects of the Temperature Lowered in the Daytime and Night-time on Sugar Accumulation in Sugarcane	Uehara N, et al.	2009	10.1626/pps.1.2.420
		Physiol-Morphological Analysis on Axile Root Growth in Upland Rice	Araki H, et al.	2002	10.1626/pps.5.286
		Effect of CO <sub>2</sub> Enrichment on the Translocation and Partitioning of Carbon at the Early Grain-filling Stage in Rice ( <i>Oryza sativa</i> L.)	Sasaki H, et al.	2005	10.1626/pps.8.8
	Distribution of [ <sup>14</sup> C]-labeled sucrose (1)	Effects of Epibrassinolide on Sugar Transport and Allocation to the Epicotyl in Cucumber Seedlings	Nakajima N, et al.	1999	10.1626/pps.2.165
	C/N ratio (6)	Role of Belowground Parts of Green Manure Legumes, <i>Crotalaria spectabilis</i> and <i>Sesbania rostrata</i> , in N Uptake by the Succeeding Tendergreen Mustard Plant	Choi B, et al.	2008	10.1626/pps.1.1.116
		Evaluation of Mixed Cropping of Oat and Hairy Vetch as Green Manure for Succeeding Corn Production	Tarui A, et al.	2013	10.1626/pps.1.6.383
		Field Evaluation of Coffee Grounds Application for Crop Growth Enhancement, Weed Control, and Soil Improvement	Yamane K, et al.	2014	10.1626/pps.1.7.93
		Possibility of Introducing Winter Legumes, Hairy Vetch and Faba Bean, as Green Manures to Turmeric Cropping in Temperate Region	Yamawaki K, et al.	2014	10.1626/pps.1.7.173
		Rice yield and soil carbon dynamics over three years of applying rice husk charcoal to an Andosol paddy field	Koyama S, et al.	2017	10.1080/1343943X.2017.1290506
		Dry-Matter Partitioning and Accumulation of Carbon and Nitrogen during Ripening in a Female-Sterile Line of Rice	Kato M, et al.	2006	10.1626/pps.9.185
	C/P ratio (1)	Possibility of Introducing Winter Legumes, Hairy Vetch and Faba Bean, as Green Manures to Turmeric Cropping in Temperate Region	Yamawaki K, et al.	2014	10.1626/pps.1.7.173

Carbon dioxide (CO <sub>2</sub> ) (24)	Carbon dioxide (CO <sub>2</sub> ) (2)	Temporal and Vertical Variations in Photosynthetic Drivers in Mangrove Canopies, Okinawa, Japan	Al-Saidi A, et al.	2009	10.1626/ppls.12.336
		Effects of High Night Temperature on Crassulacean Acid Metabolism (CAM) Photosynthesis of <i>Kalanchoë pinnata</i> and <i>Ananas comosus</i>	Lin Q, et al.	2006	10.1626/ppls.9.10
	CO <sub>2</sub> assimilation (2)	Effects of duration and combination of drought and flood conditions on leaf photosynthesis, growth and sugar content in sugarcane	Jaiphong T, et al.	2016	10.1080/1343943X.2016.1159520
		Changes in photosynthesis, growth, and sugar content of commercial sugarcane cultivars and <i>Erianthus</i> under flood conditions	Jaiphong T, et al.	2017	10.1080/1343943X.2016.1275711
	CO <sub>2</sub> assimilation rate (1)	Effects of Paclo butrazol on Podding and Photosynthetic Characteristics in Peanut	Senoo S, et al.	2003	10.1626/ppls.6.190
	CO <sub>2</sub> compensation point (1)	Production of <i>Raphanus sativus</i> (C <sub>3</sub> )- <i>Moricandia arvensis</i> (C <sub>3</sub> -C <sub>4</sub> intermediate) Monosomic and Disomic Addition Lines with Each Parental Cytoplasmic Background and their Photorespiratory Characteristics	Bang SW, et al.	2009	10.1626/ppls.12.70
	CO <sub>2</sub> enrichment (2)	Effects of Carbon Dioxide Enrichment during Different Growth Periods on Flowering, Pod Set and Seed Yield in Soybean	Nakamoto H, et al.	2004	10.1626/ppls.7.11
		Effect of CO <sub>2</sub> Enrichment on the Translocation and Partitioning of Carbon at the Early Grain-filling Stage in Rice ( <i>Oryza sativa</i> L.)	Sasaki H, et al.	2005	10.1626/ppls.8.8
	CO <sub>2</sub> exchange (1)	Inheritance of C <sub>3</sub> -C <sub>4</sub> Intermediate Photosynthesis in Reciprocal Hybrids between <i>Moricandia arvensis</i> (C <sub>3</sub> -C <sub>4</sub> ) and <i>Brassica oleracea</i> (C <sub>3</sub> ) that Differ in their Genome Constitution	Ueno O, et al.	2007	10.1626/ppls.10.68
	CO <sub>2</sub> exchange rate (1)	Physio-morphological Studies of F1 Hybrids in Rice ( <i>Oryza sativa</i> L.)	Khan MNA, et al.	1998	10.1626/ppls.1.233
	CO <sub>2</sub> fixation (3)	Gas Exchange Analysis for Estimating Net CO <sub>2</sub> Fixation Capacity of Mangrove ( <i>Rhizophora stylosa</i> ) Forest in the Mouth of River Fukido, Ishigaki Island, Japan	Okimoto Y, et al.	2007	10.1626/ppls.10.303
		Effects of Growth under Elevated CO <sub>2</sub> on the Capacity of Photosynthesis in Two Radish Cultivars Differing in Capacity of Storage Root	Usuda H.	2004	10.1626/ppls.7.377
		Evaluation of the Effect of Photosynthesis on Biomass Production with Simultaneous Analysis of Growth and Continuous Monitoring of CO <sub>2</sub> Exchange in the Whole Plants of Radish, cv Kosena under Ambient and Elevated CO <sub>2</sub>	Usuda H.	2004	10.1626/ppls.7.386
	CO <sub>2</sub> generation (1)	Effects of Soil Moisture and Temperature on Decomposition Rates of Some Waste Materials from Agriculture and Agro-industry	Thongjoo C, et al.	2005	10.1626/ppls.8.475
	CO <sub>2</sub> increase (1)	Effect of Altitude on the Response of Net Photosynthetic Rate to Carbon Dioxide Increase by Spring Wheat	Fujimura S, et al.	2010	10.1626/ppls.13.141
	CO <sub>2</sub> partial pressure (1)	Effect of Altitude on the Response of Net Photosynthetic Rate to Carbon Dioxide Increase by Spring Wheat	Fujimura S, et al.	2010	10.1626/ppls.13.141
	CO <sub>2</sub> profile (2)	A System for the Measurement of Vertical Gradients of CO <sub>2</sub> , H <sub>2</sub> O and Air Temperature within and above the Canopy of Plant	Al-Saidi A, et al.	2009	10.1626/ppls.12.139
		Eclipse Effects on CO <sub>2</sub> Profile within and above Sorghum Canopy	Tominaga J, et al.	2010	10.1626/ppls.13.338
	CO <sub>2</sub> -responsive CCT protein (CRCT) (1)	Overexpression of CO <sub>2</sub> -responsive CCT protein, a key regulator of starch synthesis strikingly increases the glucose yield from rice straw for bioethanol production	Morita R, et al.	2017	10.1080/1343943X.2017.1389614

Carbon dioxide (CO <sub>2</sub> ) (continued)	Atmospheric carbon dioxide concentration (1)	Interactive Effects of Elevated Atmospheric CO <sub>2</sub> and Waterlogging on Vegetative Growth of Soybean ( <i>Glycine max</i> (L.) Merr.)	Shimono H, et al.	2012	10.1626/ppls.15.238
	Elevated CO <sub>2</sub> (4)	Effects of Elevated Atmospheric Carbon Dioxide Concentration on Silica Deposition in Rice ( <i>Oryza sativa</i> L.) Panicle	Takahashi N, et al.	2008	10.1626/ppls.11.307
		Effect of CO <sub>2</sub> Concentration, Temperature and N Fertilization on Biomass Production of Soybean Genotypes Differing in N Fixation Capacity	Matsunami T, et al.	2009	10.1626/ppls.12.156
		Effects of elevated CO <sub>2</sub> 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 CO <sub>2</sub> 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