

# Determination of the Rate of CO<sub>2</sub> Evolution by Green L

Plant Physiology

44, 662-670

DOI: [10.1104/pp.44.5.662](https://doi.org/10.1104/pp.44.5.662)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of Temperature on Photosynthesis and CO <sub>2</sub> Evolution in Light and Darkness by Green Leaves. <i>Plant Physiology</i> , 1969, 44, 671-677.	4.8	62
2	Photorespiration. <i>Annual Review of Plant Physiology</i> , 1970, 21, 385-432.	10.9	249
3	The effect of some environmental factors on the growth of young aspen trees ( <i>Populus tremuloides</i> ) in controlled environments. <i>Canadian Journal of Botany</i> , 1971, 49, 1443-1453.	1.1	6
4	The Rate of Photorespiration during Photosynthesis and the Relationship of the Substrate of Light Respiration to the Products of Photosynthesis in Sunflower Leaves. <i>Plant Physiology</i> , 1971, 48, 712-719.	4.8	147
5	A model describing photosynthesis in terms of gas diffusion and enzyme kinetics. <i>Planta</i> , 1971, 98, 195-220.	3.2	80
6	Comparative photorespiration in <i>Amaranthus</i> , soybean and corn. <i>Planta</i> , 1971, 98, 221-231.	3.2	20
7	Kinetics of the substrate for the evolution of CO <sub>2</sub> in light by photosynthesizing organs. <i>Journal of Theoretical Biology</i> , 1971, 33, 557-564.	1.7	2
8	Response of Respiration of Tobacco Leaves in Light and Darkness and the CO <sub>2</sub> Compensation Concentration to Prior Illumination and Oxygen. <i>Plant Physiology</i> , 1971, 48, 178-182.	4.8	28
9	Photosynthesis and CO <sub>2</sub> evolution by leaf discs: gas exchange, extraction, and ion-exchange fractionation of <sup>14</sup> C-labeled photosynthetic products. <i>Canadian Journal of Botany</i> , 1971, 49, 1225-1234.	1.1	118
10	The Rate of Photorespiration as Measured by Means of Oxygen Uptake and Its Respiratory Quotient. <i>Plant Physiology</i> , 1971, 48, 345-348.	4.8	12
11	Photorespiratory Phenomena in Maize. <i>Plant Physiology</i> , 1972, 49, 218-223.	4.8	56
12	A Re-evaluation of Soybean Leaf Photorespiration. <i>Plant Physiology</i> , 1972, 50, 28-30.	4.8	20
13	[21] Measurement of photorespiration. <i>Methods in Enzymology</i> , 1972, 24, 246-260.	1.0	13
14	ENDOGENOUS INORGANIC CARBON SOURCES IN PLANT PHOTOSYNTHESIS.. <i>New Phytologist</i> , 1972, 71, 995-1014.	7.3	47
15	Longâ€­day effects on growth and flower initiation of tomato plants in low light. <i>Annals of Applied Biology</i> , 1973, 73, 221-228.	2.5	29
16	Effect of the age of tobacco leaves on photosynthesis and photorespiration <xref ref-type="fn" id="fn1"><sup>1</sup></xref>. <i>Plant and Cell Physiology</i> , 1973, , .	3.1	10
17	Photosynthesis Bibliography volume 1 1966/1970. <i>Photosynthesis Bibliography</i> , 1974, , 1-304.	0.0	0
18	Changes in specific radioactivities of corn-leaf metabolites during photosynthesis in <sup>14</sup> CO <sub>2</sub> and <sup>12</sup> CO <sub>2</sub> at normal and low oxygen. <i>Planta</i> , 1974, 120, 113-123.	3.2	38

#	ARTICLE	IF	CITATIONS
19	Changes in specific radioactivity of sunflower leaf metabolites during photosynthesis in $^{14}\text{CO}_2$ and $^{12}\text{CO}_2$ at three concentrations of $\text{CO}_2$ . <i>Planta</i> , 1974, 120, 245-254.	3.2	66
20	Photosynthesis and Respiration of Ferns in Relation to Their Habitat. <i>American Fern Journal</i> , 1974, 64, 40.	0.3	42
21	Seasonal Variations in the Isotope Ratios of Carbon in Maple Leaves and Other Plants. <i>Canadian Journal of Earth Sciences</i> , 1974, 11, 79-88.	1.3	88
22	Regulation of photorespiration in $\text{C}_3$ and $\text{C}_4$ species. <i>Botanical Review</i> , The, 1975, 41, 137-179.	3.9	273
23	Studies on Matter Production in Wheat Plant : II. Carbon dioxide balance and efficiency of solar energy utilization in wheat stand. <i>Japanese Journal of Crop Science</i> , 1975, 44, 335-342.	0.2	2
24	Messungen und Modellvorstellungen zum $\text{CO}_2$ -Gasstoffwechsel von <i>Phaseolus vulgaris</i> var. nanus L. mit besonderer Berücksichtigung der Photorespiration sowie der Atrazinwirkung. <i>Biochemie Und Physiologie Der Pflanzen</i> , 1976, 169, 121-161.	0.5	10
25	Variables Affecting the $\text{CO}_2$ Compensation Point. <i>Plant Physiology</i> , 1976, 58, 143-146.	4.8	44
26	Rhythmic Production of $\text{CO}_2$ by Tropical Orchid Flowers. <i>Physiologia Plantarum</i> , 1978, 42, 226-230.	5.2	19
27	$\text{CO}_2$ -evolution in light and darkness of ivy leaves ( <i>Hedera helix</i> L.) with depressed photosynthesis after heat stress. <i>Zeitschrift für Pflanzenphysiologie</i> , 1978, 89, 457-460.	1.4	3
28	Photosynthesis and Increased Production of Protein. <i>Advances in Experimental Medicine and Biology</i> , 1978, 105, 195-247.	1.6	7
29	Photosynthesis in $\text{C}_3$ - and $\text{C}_4$ - plants. <i>Japanese Journal of Crop Science</i> , 1978, 47, 165-188.	0.2	2
30	Effect of Light on the $\text{CO}_2$ Evolution of $\text{C}_3$ and $\text{C}_4$ Plant in Relation to the $\text{K}_\text{O}_2/\text{K}$ Effect. <i>Japanese Journal of Crop Science</i> , 1979, 48, 52-57.	0.2	6
31	Interactions Between Photosynthesis and Respiration in Higher Plants. , 1979, , 150-162.		14
32	Measurement of Photorespiration in Algae. <i>Plant Physiology</i> , 1982, 69, 259-262.	4.8	89
33	La respiration des végétaux verts à l'obscurité: les effets de la lumière sur cette respiration. <i>Bulletin De La Société Botanique De France Actualités Botaniques</i> , 1982, 129, 53-72.	0.0	2
34	La photorespiration. <i>Bulletin De La Société Botanique De France Actualités Botaniques</i> , 1982, 129, 37-52.	0.0	1
35	Effects of light and temperature on duckweed photosynthesis. <i>Aquatic Botany</i> , 1982, 13, 133-140.	1.6	25
36	Photosynthetic characteristics of mesophyll cells isolated from sunflower ( <i>helianthus annuus</i> L.) leaves. <i>Photosynthesis Research</i> , 1982, 3, 59-67.	2.9	9

#	ARTICLE	IF	CITATIONS
37	Estimation of Photorespiration Based on the Initial Rate of Postillumination CO <sub>2</sub> Release. Plant Physiology, 1983, 73, 978-982.	4.8	25
38	Estimation of Photorespiration Based on the Initial Rate of Postillumination CO <sub>2</sub> Release. Plant Physiology, 1983, 73, 983-988.	4.8	32
39	The Effects of Temperature, Soil-Water Potential, Irradiance, and their Interactions on CO <sub>2</sub> Exchange Rates of two Sub-dominant Tropical Weeds. Journal of Experimental Botany, 1984, 35, 1252-1259.	4.8	1
40	Limiting Factors in Photosynthesis. Plant Physiology, 1984, 75, 82-86.	4.8	74
41	Incorporation of Oxygen into Glycolate, Glycine, and Serine during Photorespiration in Maize Leaves. Plant Physiology, 1984, 74, 108-111.	4.8	17
42	Seasonal changes in photosynthetic characteristics of Anemone raddeana, a spring-active geophyte, in the temperate region of Japan. Oecologia, 1987, 72, 202-206.	2.0	17
43	Gas Exchange in Populus maximowiczii in Relation to Potassium and Phosphorus Nutrition. Journal of Plant Physiology, 1990, 135, 675-679.	3.5	8
44	Photosynthesis Research in Canada from 1945 to the early 1970s. Photosynthesis Research, 2006, 88, 83-100.	2.9	5
45	The many meanings of gross photosynthesis and their implication for photosynthesis research from leaf to globe. Plant, Cell and Environment, 2015, 38, 2500-2507.	5.7	92
46	Changes in the chloroplastic CO <sub>2</sub> concentration explain much of the observed Kok effect: a model. New Phytologist, 2017, 214, 570-584.	7.3	63
47	Photosynthesis and Increased Production of Protein. Advances in Experimental Medicine and Biology, 1978, , 195-247.	1.6	1
48	Interactions among Organelles Involved in Photorespiration. , 1976, , 185-234.		17
49	Photorespiration: Comparison Between C <sub>3</sub> and C <sub>4</sub> Plants. , 1979, , 368-396.		21
50	EFFECTS OF LIGHT INTENSITY ON THE RATES OF PHOTOSYNTHESIS AND PHOTORESPIRATION IN C <sub>3</sub> AND C <sub>4</sub> PLANTS. , 1977, , 265-271.		6
51	Effects of Light on Dark Respiration**Abbreviations are as follows: AMP, adenosine monophosphate; ADP, adenosine diphosphate; ATP, adenosine triphosphate; CoA, coenzyme A; DCMU, dichlorophenyl dimethyl urea; DHAP, dihydroxyacetone phosphate; Fructose-1,6-P <sub>2</sub> , fructose-1,6-bisphosphate;		

#	ARTICLE	IF	CITATIONS
56	Photorespiration and Glycollate Metabolism. , 1976, , 163-174.		0
57	A simple photorespiratory ratio for the delimitation of C4 from the C3 plants. Proceedings of the Indian Academy of Sciences - Section A Part 3 Mathematical Sciences, 1976, 84, 148-153.	0.1	2