

# Gert Schansker

## List of Publications by Year in descending order

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39  
papers

4,184  
citations

236925

25  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. <i>Photosynthesis Research</i> , 2014, 122, 121-158.	2.9	585
2	Probing the responses of barley cultivars ( <i>Hordeum vulgare</i> L.) by chlorophyll a fluorescence OJIP under drought stress and re-watering. <i>Environmental and Experimental Botany</i> , 2007, 60, 438-446.	4.2	429
3	Frequently asked questions about chlorophyll fluorescence, the sequel. <i>Photosynthesis Research</i> , 2017, 132, 13-66.	2.9	419
4	Methylviologen and dibromothymoquinone treatments of pea leaves reveal the role of photosystem I in the Chl a fluorescence rise OJIP. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 250-261.	1.0	386
5	Drought stress effects on photosystem I content and photosystem II thermotolerance analyzed using Chl a fluorescence kinetics in barley varieties differing in their drought tolerance. <i>Physiologia Plantarum</i> , 2009, 137, 188-199.	5.2	264
6	Characterization of the 820-nm transmission signal paralleling the chlorophyll a fluorescence rise (OJIP) in pea leaves. <i>Functional Plant Biology</i> , 2003, 30, 785.	2.1	251
7	A non-invasive assay of the plastoquinone pool redox state based on the OJIP-transient. <i>Photosynthesis Research</i> , 2007, 93, 193-203.	2.9	176
8	The IP amplitude of the fluorescence rise OJIP is sensitive to changes in the photosystem I content of leaves: a study on plants exposed to magnesium and sulfate deficiencies, drought stress and salt stress. <i>Physiologia Plantarum</i> , 2012, 144, 277-288.	5.2	164
9	Dark recovery of the Chl a fluorescence transient (OJIP) after light adaptation: The qT-component of non-photochemical quenching is related to an activated photosystem I acceptor side. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 787-797.	1.0	154
10	Chlorophyll a fluorescence: beyond the limits of the QA model. <i>Photosynthesis Research</i> , 2014, 120, 43-58.	2.9	137
11	Photosynthetic electron transport activity in heat-treated barley leaves: The role of internal alternative electron donors to photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 295-305.	1.0	126
12	In intact leaves, the maximum fluorescence level (FM) is independent of the redox state of the plastoquinone pool: A DCMU-inhibition study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 275-282.	1.0	114
13	Biophysical studies of photosystem II-related recovery processes after a heat pulse in barley seedlings ( <i>Hordeum vulgare</i> L.). <i>Journal of Plant Physiology</i> , 2005, 162, 181-194.	3.5	96
14	Evidence for a fluorescence yield change driven by a light-induced conformational change within photosystem II during the fast chlorophyll a fluorescence rise. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1032-1043.	1.0	88
15	AtOSA1, a Member of the Abc1-Like Family, as a New Factor in Cadmium and Oxidative Stress Response. <i>Plant Physiology</i> , 2008, 147, 719-731.	4.8	77
16	The chl a fluorescence intensity is remarkably insensitive to changes in the chlorophyll content of the leaf as long as the chl a/b ratio remains unaffected. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 770-779.	1.0	65
17	Quantification of non-QB-reducing centers in leaves using a far-red pre-illumination. <i>Photosynthesis Research</i> , 2005, 84, 145-151.	2.9	56
18	Effect of Light Acclimation on the Organization of Photosystem II Super- and Sub-Complexes in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 105.	3.6	53

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19	Salt stress effects on the photosynthetic electron transport chain in two chickpea lines differing in their salt stress tolerance. <i>Photosynthesis Research</i> , 2018, 136, 291-301.	2.9	52
20	Heat stress and the photosynthetic electron transport chain of the lichen <i>Parmelina tiliacea</i> (Hoffm.) Ach. in the dry and the wet state: differences and similarities with the heat stress response of higher plants. <i>Photosynthesis Research</i> , 2012, 111, 303-314.	2.9	51
21	Models of Chlorophyll a Fluorescence Transients. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 85-123.	1.0	49
22	Reduction of the Mn Cluster of the Water-Oxidizing Enzyme by Nitric Oxide: Formation of an S-2 State. <i>Biochemistry</i> , 2002, 41, 3057-3064.	2.5	46
23	A dip in the chlorophyll fluorescence induction at 0.2 s in <i>Trebouxia</i> -possessing lichens reflects a fast reoxidation of photosystem I. A comparison with higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 12-20.	1.0	44
24	Synthetic Antisense Oligodeoxynucleotides to Transiently Suppress Different Nucleus- and Chloroplast-Encoded Proteins of Higher Plant Chloroplasts. <i>Plant Physiology</i> , 2011, 157, 1628-1641.	4.8	40
25	The physiological roles and metabolism of ascorbate in chloroplasts. <i>Physiologia Plantarum</i> , 2013, 148, 161-175.	5.2	33
26	Photosynthesis without $\beta$ -carotene. <i>ELife</i> , 2020, 9, .	6.0	30
27	Consequences of the reduction of the Photosystem II antenna size on the light acclimation capacity of <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 866-879.	5.7	29
28	NO Reversibly Reduces the Water-Oxidizing Complex of Photosystem II through S0 and S-1 to the State Characterized by the Mn(II)-Mn(III) Multiline EPR Signal. <i>Biochemistry</i> , 1998, 37, 16445-16451.	2.5	25
29	Interaction of nitric oxide with the oxygen evolving complex of photosystem II and manganese catalase: a comparative study. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 354-363.	2.6	24
30	Chloroacetates as inhibitors of photosystem II: Effects on electron acceptor side. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 37, 107-117.	3.8	20
31	Performance of active Photosystem II centers in photoinhibited pea leaves. <i>Photosynthesis Research</i> , 1999, 62, 175-184.	2.9	20
32	Characterization of the complex interaction between the electron acceptor silicomolybdate and Photosystem II. <i>Photosynthesis Research</i> , 1993, 37, 165-175.	2.9	17
33	Comparison of Photosynthetic Activities in Triazine-Resistant and Susceptible Biotypes of <i>Chenopodium album</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1993, 48, 278-282.	1.4	15
34	Rapidly reversible chlorophyll fluorescence quenching induced by pulses of supersaturating light in vivo. <i>Photosynthesis Research</i> , 2019, 142, 35-50.	2.9	12
35	Stimulatory effect of ascorbate, the alternative electron donor of photosystem II, on the hydrogen production of sulphur-deprived <i>Chlamydomonas reinhardtii</i> . <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8864-8871.	7.1	11
36	Chl a Fluorescence and 820 nm Transmission Changes Occurring During a Dark-to-Light Transition in Pine Needles and Pea Leaves: A Comparison. , 2008, , 945-949.		8

#	ARTICLE	IF	CITATIONS
37	Determining photosynthetic control, a probe for the balance between electron transport and Calvinâ€“Benson cycle activity, with the DUAL-KLAS-NIR. Photosynthesis Research, 2022, 153, 191-204.	2.9	5
38	Identification of Twelve Different Mineral Deficiencies in Hydroponically Grown Sunflower Plants on the Basis of Short Measurements of the Fluorescence and P700 Oxidation/Reduction Kinetics. Frontiers in Plant Science, 2022, 13, .	3.6	3
39	Drought stress effects on photosystem I content and photosystem II thermotolerance analyzed using Chl a fluorescence kinetics in barley varieties differing in their drought tolerance. , 2009, 137, 188.		1