

# Da-Yong Fan

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

535  
citations

687363

13  
h-index

677142

22  
g-index

36  
all docs

36  
docs citations

36  
times ranked

534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of cyclic electron flow around Photosystem I in spinach leaves during photosynthetic induction. <i>Photosynthesis Research</i> , 2007, 94, 347-357.	2.9	53
2	Obstacles in the quantification of the cyclic electron flux around Photosystem I in leaves of C3 plants. <i>Photosynthesis Research</i> , 2016, 129, 239-251.	2.9	52
3	The trade-off between safety and efficiency in hydraulic architecture in 31 woody species in a karst area. <i>Tree Physiology</i> , 2011, 31, 865-877.	3.1	42
4	Estimation of the steady-state cyclic electron flux around PSI in spinach leaf discs in white light, CO <sub>2</sub> -enriched air and other varied conditions. <i>Functional Plant Biology</i> , 2013, 40, 1018.	2.1	40
5	Partially dissecting the steady-state electron fluxes in Photosystem I in wild-type and <i>pgr5</i> and <i>ndh</i> mutants of <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 758.	3.6	34
6	Plant drought tolerance assessment for re-vegetation in heterogeneous karst landscapes of southwestern China. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 30-38.	1.2	26
7	Novel effects of methyl viologen on photosystem II function in spinach leaves. <i>European Biophysics Journal</i> , 2009, 39, 191-199.	2.2	24
8	Changes in activities of both photosystems and the regulatory effect of cyclic electron flow in field-grown cotton ( <i>Gossypium hirsutum</i> L) under water deficit. <i>Journal of Plant Physiology</i> , 2018, 220, 74-82.	3.5	21
9	The time course of photoinactivation of photosystem II in leaves revisited. <i>Photosynthesis Research</i> , 2012, 113, 157-164.	2.9	20
10	NDH-1 Is Important for Photosystem I Function of <i>Synechocystis</i> sp. Strain PCC 6803 under Environmental Stress Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 2183.	3.6	19
11	Partially Dissecting Electron Fluxes in Both Photosystems in Spinach Leaf Disks during Photosynthetic Induction. <i>Plant and Cell Physiology</i> , 2019, 60, 2206-2219.	3.1	18
12	Contrasting vegetation response to climate change between two monsoon regions in Southwest China: The roles of climate condition and vegetation height. <i>Science of the Total Environment</i> , 2022, 802, 149643.	8.0	18
13	Photoinactivation of Photosystem II in wild-type and chlorophyll b-less barley leaves: which mechanism dominates depends on experimental circumstances. <i>Photosynthesis Research</i> , 2015, 126, 399-407.	2.9	16
14	Ecosystem functioning and stability are mainly driven by stand structural attributes and biodiversity, respectively, in a tropical forest in Southwestern China. <i>Forest Ecology and Management</i> , 2021, 481, 118696.	3.2	15
15	Exploitation of patchy soil water resources by the clonal vine <i>Ficus tikoua</i> in karst habitats of southwestern China. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 93-102.	2.1	14
16	Optimising the linear electron transport rate measured by chlorophyll a fluorescence to empirically match the gross rate of oxygen evolution in white light: towards improved estimation of the cyclic electron flux around photosystem I in leaves. <i>Functional Plant Biology</i> , 2018, 45, 1138.	2.1	13
17	Whole-tissue determination of the rate coefficients of photoinactivation and repair of photosystem II in cotton leaf discs based on flash-induced P700 redox kinetics. <i>Photosynthesis Research</i> , 2013, 117, 517-528.	2.9	12
18	Multiple roles of oxygen in the photoinactivation and dynamic repair of Photosystem II in spinach leaves. <i>Photosynthesis Research</i> , 2016, 127, 307-319.	2.9	12

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19	Separation of Light-induced Linear, Cyclic and Stroma-sourced Electron Fluxes to P700+ in Cucumber Leaf Discs after Pre-Illumination at a Chilling Temperature. <i>Plant and Cell Physiology</i> , 2008, 49, 901-911.	3.1	11
20	Stomatal Sensitivity to Vapor Pressure Deficit and the Loss of Hydraulic Conductivity Are Coordinated in <i>Populus euphratica</i> , a Desert Phreatophyte Species. <i>Frontiers in Plant Science</i> , 2020, 11, 1248.	3.6	10
21	The energy cost of repairing photoinactivated photosystem II: an experimental determination in cotton leaf discs. <i>New Phytologist</i> , 2022, 235, 446-456.	7.3	10
22	A novel P700 redox kinetics probe for rapid, non-invasive and whole-tissue determination of photosystem II functionality, and the stoichiometry of the two photosystems in vivo. <i>Physiologia Plantarum</i> , 2014, 152, 403-413.	5.2	8
23	A Fast and Automatic Method for Leaf Vein Network Extraction and Vein Density Measurement Based on Object-Oriented Classification. <i>Frontiers in Plant Science</i> , 2020, 11, 499.	3.6	8
24	Functional coordination between leaf traits and biomass allocation and growth of four herbaceous species in a newly established reservoir riparian ecosystem in China. <i>Ecology and Evolution</i> , 2018, 8, 11372-11384.	1.9	7
25	Do karst woody plants control xylem tension to avoid substantial xylem cavitation in the wet season?. <i>Forest Ecosystems</i> , 2018, 5, .	3.1	6
26	Where Is the Site of the "Oxygen Burst" Located During Light Induction in Dark-Adapted Leaves? A Study Using Photoacoustic Techniques. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 567-578.	8.5	5
27	Strong restrictions on the trait range of co-occurring species in the newly created riparian zone of the Three Gorges Reservoir Area, China. <i>Journal of Plant Ecology</i> , 2019, 12, 825-833.	2.3	5
28	Does <i>Cathaya argyrophylla</i> , an ancient and threatened Pinaceae species endemic to China, show eco-physiological outliers to its Pinaceae relatives?. , 2020, 8, coaa094.		4
29	Eco-physiological adaptation of dominant tree species at two contrasting karst habitats in southwestern China. <i>F1000Research</i> , 2013, 2, 122.	1.6	4
30	The use of R in photosynthesis research. <i>Functional Plant Biology</i> , 2022, 49, 565-572.	2.1	4
31	Carbohydrate saving or biomass maintenance: which is the main determinant of the plant's long-term submergence tolerance?. <i>Photosynthesis Research</i> , 2020, 149, 155-170.	2.9	2
32	Structures and topographical pattern of the tree layer of <i>Fagus engleriana</i> - <i>Cyclobalanopsis oxyodon</i> community in Shennongjia area, Hubei Province, China. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2009, 4, 503-512.	0.2	1
33	Estimation of the Cyclic Electron Flux around Photosystem I in Leaf Discs. , 2017, , 265-275.		0