

# Agu Laisk

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

833  
citations

567281

15  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosynthetic activity of far-red light in green plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 311-321.	1.0	84
2	Action spectra of photosystems II and I and quantum yield of photosynthesis in leaves in State 1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 315-325.	1.0	82
3	C3 photosynthesis in silico. <i>Photosynthesis Research</i> , 2007, 90, 45-66.	2.9	72
4	Rates and Roles of Cyclic and Alternative Electron Flow in Potato Leaves. <i>Plant and Cell Physiology</i> , 2007, 48, 1575-1588.	3.1	62
5	Fast cyclic electron transport around photosystem I in leaves under far-red light: a proton-uncoupled pathway?. <i>Photosynthesis Research</i> , 2010, 103, 79-95.	2.9	61
6	Range of photosynthetic control of postillumination P700+ reduction rate in sunflower leaves. <i>Photosynthesis Research</i> , 1994, 39, 39-50.	2.9	56
7	Deciphering the 820 nm signal: redox state of donor side and quantum yield of Photosystem I in leaves. <i>Photosynthesis Research</i> , 2003, 78, 1-15.	2.9	56
8	The long-wavelength limit of plant photosynthesis. <i>FEBS Letters</i> , 2005, 579, 4017-4019.	2.8	50
9	Photosystem II Cycle and Alternative Electron Flow in Leaves. <i>Plant and Cell Physiology</i> , 2006, 47, 972-983.	3.1	43
10	Dark inactivation of ferredoxin-NADP reductase and cyclic electron flow under far-red light in sunflower leaves. <i>Photosynthesis Research</i> , 2007, 94, 109-120.	2.9	32
11	Oxygen yield from single turnover flashes in leaves: non-photochemical excitation quenching and the number of active PSII. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1460, 291-301.	1.0	28
12	Fluorescence F <sub>0</sub> of photosystems II and I in developing C3 and C4 leaves, and implications on regulation of excitation balance. <i>Photosynthesis Research</i> , 2014, 122, 41-56.	2.9	22
13	Thermal phase and excitonic connectivity in fluorescence induction. <i>Photosynthesis Research</i> , 2013, 117, 431-448.	2.9	18
14	Variable fluorescence of closed photochemical reaction centers. <i>Photosynthesis Research</i> , 2020, 143, 335-346.	2.9	18
15	Oxidation of plastoquinone by photosystem II and by dioxygen in leaves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 565-575.	1.0	17
16	Leaf C3 Photosynthesis in silico: Integrated Carbon/Nitrogen Metabolism. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 295-322.	1.0	16
17	Equilibrium or disequilibrium? A dual-wavelength investigation of photosystem I donors. <i>Photosynthesis Research</i> , 2010, 103, 153-166.	2.9	15
18	Oxygen evolution from single- and multiple-turnover light pulses: temporal kinetics of electron transport through PSII in sunflower leaves. <i>Photosynthesis Research</i> , 2011, 110, 99-109.	2.9	15

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19	Photosystem II antennae are not energetically connected: evidence based on flash-induced O <sub>2</sub> evolution and chlorophyll fluorescence in sunflower leaves. <i>Photosynthesis Research</i> , 2012, 114, 15-28.	2.9	15
20	Kinetics of leaf oxygen uptake represent in planta activities of respiratory electron transport and terminal oxidases. <i>Physiologia Plantarum</i> , 2007, 131, 1-9.	5.2	14
21	Oxygen evolution and chlorophyll fluorescence from multiple turnover light pulses: charge recombination in photosystem II in sunflower leaves. <i>Photosynthesis Research</i> , 2012, 113, 145-155.	2.9	14
22	Time- and reduction-dependent rise of photosystem II fluorescence during microseconds-long inductions in leaves. <i>Photosynthesis Research</i> , 2020, 145, 209-225.	2.9	14
23	Kinetics of photosystem II electron transport: a mathematical analysis based on chlorophyll fluorescence induction. <i>Photosynthesis Research</i> , 2018, 136, 63-82.	2.9	13
24	Calibration of Simultaneous Measurements of Photosynthetic Carbon Dioxide Uptake and Oxygen Evolution in Leaves. <i>Plant and Cell Physiology</i> , 2006, 48, 198-203.	3.1	8
25	Kinetics of plastoquinol oxidation by the Q-cycle in leaves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 819-830.	1.0	6
26	Response to the "Comments to water-splitting activity of Photosystem II by far-red light in green plants" by H.-W. Trissl. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 158-159.	1.0	2