

Agu Laisk

List of Publications by Year in descending order

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26
papers

833
citations

567281

15
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552781

26
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docs citations

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times ranked

731
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Variable fluorescence of closed photochemical reaction centers. <i>Photosynthesis Research</i> , 2020, 143, 335-346. | 2.9 | 18 |
| 3 | 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 |
| 4 | Kinetics of plastoquinol oxidation by the Q-cycle in leaves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 819-830. | 1.0 | 6 |
| 5 | 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 |
| 6 | 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 |
| 7 | Fluorescence F ₀ of photosystems II and I in developing C ₃ and C ₄ leaves, and implications on regulation of excitation balance. <i>Photosynthesis Research</i> , 2014, 122, 41-56. | 2.9 | 22 |
| 8 | Thermal phase and excitonic connectivity in fluorescence induction. <i>Photosynthesis Research</i> , 2013, 117, 431-448. | 2.9 | 18 |
| 9 | 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 |
| 10 | Photosystem II antennae are not energetically connected: evidence based on flash-induced O ₂ evolution and chlorophyll fluorescence in sunflower leaves. <i>Photosynthesis Research</i> , 2012, 114, 15-28. | 2.9 | 15 |
| 11 | 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 |
| 12 | 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 |
| 13 | Equilibrium or disequilibrium? A dual-wavelength investigation of photosystem I donors. <i>Photosynthesis Research</i> , 2010, 103, 153-166. | 2.9 | 15 |
| 14 | Leaf C ₃ Photosynthesis in silico: Integrated Carbon/Nitrogen Metabolism. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 295-322. | 1.0 | 16 |
| 15 | 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 |
| 16 | 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 |
| 17 | C ₃ photosynthesis in silico. <i>Photosynthesis Research</i> , 2007, 90, 45-66. | 2.9 | 72 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Photosystem II Cycle and Alternative Electron Flow in Leaves. <i>Plant and Cell Physiology</i> , 2006, 47, 972-983. | 3.1 | 43 |
| 21 | 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 |
| 22 | The long-wavelength limit of plant photosynthesis. <i>FEBS Letters</i> , 2005, 579, 4017-4019. | 2.8 | 50 |
| 23 | Photosynthetic activity of far-red light in green plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 311-321. | 1.0 | 84 |
| 24 | 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 |
| 25 | 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 |
| 26 | Range of photosynthetic control of postillumination P700+ reduction rate in sunflower leaves. <i>Photosynthesis Research</i> , 1994, 39, 39-50. | 2.9 | 56 |