

Andrej Pavlovic

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,275
citations

394421

19
h-index

395702

33
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47
all docs

47
docs citations

47
times ranked

1135
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Absence of the AtSYT1 Function Elevates the Adverse Effect of Salt Stress on Photosynthesis in Arabidopsis. International Journal of Molecular Sciences, 2022, 23, 1751. | 4.1 | 4 |
| 2 | Alternative oxidase (AOX) in the carnivorous pitcher plants of the genus <i>Nepenthes</i> : what is it good for?. Annals of Botany, 2022, 129, 357-365. | 2.9 | 6 |
| 3 | Enzyme activities in two sister-species of carnivorous pitcher plants (<i>Nepenthes</i>) with contrasting nutrient sequestration strategies. Plant Physiology and Biochemistry, 2021, 161, 113-121. | 5.8 | 4 |
| 4 | The nuclear GUCT domain-containing DEAD-box RNA helicases govern gametophytic and sporophytic development in <i>Physcomitrium patens</i> . Plant Molecular Biology, 2021, 107, 307-325. | 3.9 | 4 |
| 5 | Recent ecophysiological, biochemical and evolutionary insights into plant carnivory. Annals of Botany, 2021, 128, 241-259. | 2.9 | 16 |
| 6 | Contrasting effect of prey capture on jasmonate accumulation in two genera of aquatic carnivorous plants (<i>Aldrovanda</i> , <i>Utricularia</i>). Plant Physiology and Biochemistry, 2021, 166, 459-465. | 5.8 | 8 |
| 7 | Anaesthetic diethyl ether impairs long-distance electrical and jasmonate signaling in <i>Arabidopsis thaliana</i> . Plant Physiology and Biochemistry, 2021, 169, 311-321. | 5.8 | 8 |
| 8 | Anaesthesia with diethyl ether impairs jasmonate signalling in the carnivorous plant Venus flytrap (<i>Dionaea muscipula</i>). Annals of Botany, 2020, 125, 173-183. | 2.9 | 24 |
| 9 | Taste for protein: Chemical signal from prey stimulates enzyme secretion through jasmonate signalling in the carnivorous plant Venus flytrap. Plant Physiology and Biochemistry, 2020, 146, 90-97. | 5.8 | 12 |
| 10 | Jasmonate-independent regulation of digestive enzyme activity in the carnivorous butterwort <i>Pinguicula</i> – Tina. Journal of Experimental Botany, 2020, 71, 3749-3758. | 4.8 | 12 |
| 11 | Biochemical and mesophyll diffusional limits to photosynthesis are determined by prey and root nutrient uptake in the carnivorous pitcher plant <i>Nepenthes</i> – <i>ventrata</i> . Annals of Botany, 2020, 126, 25-37. | 2.9 | 15 |
| 12 | Jasmonate signalling in carnivorous plants: copycat of plant defence mechanisms. Journal of Experimental Botany, 2019, 70, 3379-3389. | 4.8 | 46 |
| 13 | Dark chlorophyll synthesis may provide a potential for shade tolerance as shown by a comparative study with seedlings of European larch (<i>Larix decidua</i>) and Norway spruce (<i>Picea abies</i>). Trees - Structure and Function, 2018, 32, 951-965. | 1.9 | 4 |
| 14 | Photosynthesis in Poor Nutrient Soils, in Compacted Soils, and under Drought. Advances in Photosynthesis and Respiration, 2018, , 371-399. | 1.0 | 15 |
| 15 | Regulation of enzyme activities in carnivorous pitcher plants of the genus <i>Nepenthes</i> . Planta, 2018, 248, 451-464. | 3.2 | 29 |
| 16 | Transcriptional and post-translational control of chlorophyll biosynthesis by dark-operative protochlorophyllide oxidoreductase in Norway spruce. Photosynthesis Research, 2017, 132, 165-179. | 2.9 | 13 |
| 17 | Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. New Phytologist, 2017, 214, 967-972. | 7.3 | 124 |
| 18 | The role of electrical and jasmonate signalling in the recognition of captured prey in the carnivorous sundew plant <i>Drosera capensis</i> . New Phytologist, 2017, 213, 1818-1835. | 7.3 | 79 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Triggering a false alarm: wounding mimics prey capture in the carnivorous Venus flytrap (<i>Dionaea</i>) Tj ETQq1 1 0,784314 rgBT /Over | 7.3 | 97 |
| 20 | Cotton Fabric Coated with Conducting Polymers and its Application in Monitoring of Carnivorous Plant Response. <i>Sensors</i> , 2016, 16, 498. | 3.8 | 35 |
| 21 | A carnivorous sundew plant prefers protein over chitin as a source of nitrogen from its traps. <i>Plant Physiology and Biochemistry</i> , 2016, 104, 11-16. | 5.8 | 18 |
| 22 | Light-induced gradual activation of photosystem II in dark-grown Norway spruce seedlings. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 799-809. | 1.0 | 10 |
| 23 | Silicon alleviates cadmium toxicity by enhanced photosynthetic rate and modified bundle sheath's cell chloroplasts ultrastructure in maize. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 66-73. | 6.0 | 119 |
| 24 | A novel insight into the cost-benefit model for the evolution of botanical carnivory. <i>Annals of Botany</i> , 2015, 115, 1075-1092. | 2.9 | 61 |
| 25 | Abundance of Cysteine Endopeptidase Dionain in Digestive Fluid of Venus Flytrap (<i>Dionaea muscipula</i>) Tj ETQq1 1 0,784314 rgBT /Over | 2.5 | 49 |
| 26 | Feeding on prey increases photosynthetic efficiency in the carnivorous sundew <i>Drosera capensis</i> . <i>Annals of Botany</i> , 2014, 113, 69-78. | 2.9 | 33 |
| 27 | Chlorophyll a fluorescence induction (Kautsky curve) in a Venus flytrap (<i>Dionaea muscipula</i>) leaf after mechanical trigger hair irritation. <i>Journal of Plant Physiology</i> , 2013, 170, 242-250. | 3.5 | 18 |
| 28 | <i>Cuscuta europaea</i> plastid apparatus in various developmental stages. <i>Plant Signaling and Behavior</i> , 2013, 8, e24037. | 2.4 | 6 |
| 29 | Adaptive radiation with regard to nutrient sequestration strategies in the carnivorous plants of the genus <i>Nepenthes</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 295-297. | 2.4 | 13 |
| 30 | The Effect of Electrical Signals on Photosynthesis and Respiration. , 2012, , 33-62. | | 12 |
| 31 | Nutritional benefit from leaf litter utilization in the pitcher plant <i>Nepenthes ampullaria</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1865-1873. | 5.7 | 44 |
| 32 | Photosynthetic characterization of Australian pitcher plant <i>Cephalotus follicularis</i> . <i>Photosynthetica</i> , 2011, 49, 253-258. | 1.7 | 14 |
| 33 | Electrical signaling and photosynthesis. <i>Plant Signaling and Behavior</i> , 2011, 6, 840-842. | 2.4 | 16 |
| 34 | On the mechanism underlying photosynthetic limitation upon trigger hair irritation in the carnivorous plant Venus flytrap (<i>Dionaea muscipula</i> Ellis). <i>Journal of Experimental Botany</i> , 2011, 62, 1991-2000. | 4.8 | 87 |
| 35 | Light-independent accumulation of essential chlorophyll biosynthesis- and photosynthesis-related proteins in <i>Pinus mugo</i> and <i>Pinus sylvestris</i> seedlings. <i>Photosynthetica</i> , 2010, 48, 16-22. | 1.7 | 9 |
| 36 | Root nutrient uptake enhances photosynthetic assimilation in prey-deprived carnivorous pitcher plant <i>Nepenthes talangensis</i> . <i>Photosynthetica</i> , 2010, 48, 227-233. | 1.7 | 20 |

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|----|---|-----|-----------|
| 37 | Trap closure and prey retention in Venus flytrap (<i>Dionaea muscipula</i>) temporarily reduces photosynthesis and stimulates respiration. <i>Annals of Botany</i> , 2010, 105, 37-44. | 2.9 | 40 |
| 38 | Spatio-temporal changes of photosynthesis in carnivorous plants in response to prey capture, retention and digestion. <i>Plant Signaling and Behavior</i> , 2010, 5, 1325-1329. | 2.4 | 6 |
| 39 | Gabaculine alters plastid development and differentially affects abundance of plastid-encoded DPOR and nuclear-encoded GluTR and FLU-like proteins in spruce cotyledons. <i>Journal of Plant Physiology</i> , 2010, 167, 693-700. | 3.5 | 7 |
| 40 | Feeding enhances photosynthetic efficiency in the carnivorous pitcher plant <i>Nepenthes talangensis</i> . <i>Annals of Botany</i> , 2009, 104, 307-314. | 2.9 | 47 |
| 41 | A novel insight into the regulation of light-independent chlorophyll biosynthesis in <i>Larix decidua</i> and <i>Picea abies</i> seedlings. <i>Planta</i> , 2009, 230, 165-176. | 3.2 | 24 |
| 42 | Chlorophyll biosynthesis and chloroplast development in etiolated seedlings of <i>Ginkgo biloba</i> L.. <i>Photosynthetica</i> , 2009, 47, 510-516. | 1.7 | 9 |
| 43 | Feeding with aminolevulinic acid increased chlorophyll content in Norway spruce (<i>Picea abies</i>) in the dark. <i>Photosynthetica</i> , 2009, 47, 631-634. | 1.7 | 11 |
| 44 | Carnivorous Syndrome in Asian Pitcher Plants of the Genus <i>Nepenthes</i> . <i>Annals of Botany</i> , 2007, 100, 527-536. | 2.9 | 60 |
| 45 | Response of Chamomile Plants (<i>Matricaria recutita</i> L.) to Cadmium Treatment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 77, 763-771. | 2.7 | 23 |