

Andrej Pavlovic

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9227938/publications.pdf>

Version: 2024-02-01

45
papers

1,275
citations

394421

19
h-index

395702

33
g-index

47
all docs

47
docs citations

47
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. <i>New Phytologist</i> , 2017, 214, 967-972.	7.3	124
2	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
3	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
4	The role of electrical and jasmonate signalling in the recognition of captured prey in the carnivorous sundew plant <i>Drosera capensis</i> . <i>New Phytologist</i> , 2017, 213, 1818-1835.	7.3	79
5	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
6	Carnivorous Syndrome in Asian Pitcher Plants of the Genus <i>Nepenthes</i> . <i>Annals of Botany</i> , 2007, 100, 527-536.	2.9	60
7	Triggering a false alarm: wounding mimics prey capture in the carnivorous Venus flytrap (<i>Dionaea</i>). <i>Trends in Plant Science</i> , 2019, 24, 107-114.	7.3	87
8	Abundance of Cysteine Endopeptidase Dionain in Digestive Fluid of Venus Flytrap (<i>Dionaea muscipula</i>). <i>Trends in Plant Science</i> , 2019, 24, 107-114.	2.9	49
9	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
10	Jasmonate signalling in carnivorous plants: copycat of plant defence mechanisms. <i>Journal of Experimental Botany</i> , 2019, 70, 3379-3389.	4.8	46
11	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
12	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
13	Cotton Fabric Coated with Conducting Polymers and its Application in Monitoring of Carnivorous Plant Response. <i>Sensors</i> , 2016, 16, 498.	3.8	35
14	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
15	Regulation of enzyme activities in carnivorous pitcher plants of the genus <i>Nepenthes</i> . <i>Planta</i> , 2018, 248, 451-464.	3.2	29
16	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
17	Anaesthesia with diethyl ether impairs jasmonate signalling in the carnivorous plant Venus flytrap (<i>Dionaea muscipula</i>). <i>Annals of Botany</i> , 2020, 125, 173-183.	2.9	24
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
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	Electrical signaling and photosynthesis. <i>Plant Signaling and Behavior</i> , 2011, 6, 840-842.	2.4	16
23	Recent ecophysiological, biochemical and evolutionary insights into plant carnivory. <i>Annals of Botany</i> , 2021, 128, 241-259.	2.9	16
24	Photosynthesis in Poor Nutrient Soils, in Compacted Soils, and under Drought. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 371-399.	1.0	15
25	Biochemical and mesophyll diffusional limits to photosynthesis are determined by prey and root nutrient uptake in the carnivorous pitcher plant <i>Nepenthes \bar{A}-ventrata</i> . <i>Annals of Botany</i> , 2020, 126, 25-37.	2.9	15
26	Photosynthetic characterization of Australian pitcher plant <i>Cephalotus follicularis</i> . <i>Photosynthetica</i> , 2011, 49, 253-258.	1.7	14
27	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
28	Transcriptional and post-translational control of chlorophyll biosynthesis by dark-operative protochlorophyllide oxidoreductase in Norway spruce. <i>Photosynthesis Research</i> , 2017, 132, 165-179.	2.9	13
29	Taste for protein: Chemical signal from prey stimulates enzyme secretion through jasmonate signalling in the carnivorous plant Venus flytrap. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 90-97.	5.8	12
30	Jasmonate-independent regulation of digestive enzyme activity in the carnivorous butterwort <i>Pinguicula \bar{A}-Tina</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 3749-3758.	4.8	12
31	The Effect of Electrical Signals on Photosynthesis and Respiration. , 2012, , 33-62.		12
32	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
33	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
34	Chlorophyll biosynthesis and chloroplast development in etiolated seedlings of <i>Ginkgo biloba</i> L.. <i>Photosynthetica</i> , 2009, 47, 510-516.	1.7	9
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	Contrasting effect of prey capture on jasmonate accumulation in two genera of aquatic carnivorous plants (<i>Aldrovanda</i> , <i>Utricularia</i>). <i>Plant Physiology and Biochemistry</i> , 2021, 166, 459-465.	5.8	8

#	ARTICLE	IF	CITATIONS
37	Anaesthetic diethyl ether impairs long-distance electrical and jasmonate signaling in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 169, 311-321.	5.8	8
38	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
39	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
40	<i>Cuscuta europaea</i> plastid apparatus in various developmental stages. <i>Plant Signaling and Behavior</i> , 2013, 8, e24037.	2.4	6
41	Alternative oxidase (AOX) in the carnivorous pitcher plants of the genus <i>Nepenthes</i> : what is it good for?. <i>Annals of Botany</i> , 2022, 129, 357-365.	2.9	6
42	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>). <i>Trees - Structure and Function</i> , 2018, 32, 951-965.	1.9	4
43	Enzyme activities in two sister-species of carnivorous pitcher plants (<i>Nepenthes</i>) with contrasting nutrient sequestration strategies. <i>Plant Physiology and Biochemistry</i> , 2021, 161, 113-121.	5.8	4
44	The nuclear GUCT domain-containing DEAD-box RNA helicases govern gametophytic and sporophytic development in <i>Physcomitrium patens</i> . <i>Plant Molecular Biology</i> , 2021, 107, 307-325.	3.9	4
45	The Absence of the AtSYT1 Function Elevates the Adverse Effect of Salt Stress on Photosynthesis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1751.	4.1	4