Eevi RintamÃ¤ki

List of Publications by Year in descending order

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52 papers	3,293 citations	172457 29 h-index	214800 47 g-index
56 all docs	56 docs citations	56 times ranked	2835 citing authors

#	Article	IF	Citations
1	Dynamics of photosystem II: a proteomic approach to thylakoid protein complexes. Journal of Experimental Botany, 2004, 56, 347-356.	4.8	433
2	Cooperative regulation of light-harvesting complex II phosphorylation via the plastoquinol and ferredoxin-thioredoxin system in chloroplasts. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11644-11649.	7.1	272
3	Phosphorylation of Light-harvesting Complex II and Photosystem II Core Proteins Shows Different Irradiance-dependent Regulation in Vivo. Journal of Biological Chemistry, 1997, 272, 30476-30482.	3.4	233
4	Differential D1 Dephosphorylation in Functional and Photodamaged Photosystem II Centers. Journal of Biological Chemistry, 1996, 271, 14870-14875.	3.4	176
5	Diverse roles for chloroplast stromal and thylakoid-bound ascorbate peroxidases in plant stress responses. Biochemical Journal, 2008, 412, 275-285.	3.7	159
6	Chloroplast NADPH-Thioredoxin Reductase Interacts with Photoperiodic Development in Arabidopsis Â Â. Plant Physiology, 2009, 149, 1261-1276.	4.8	143
7	Arabidopsis RCD1 coordinates chloroplast and mitochondrial functions through interaction with ANAC transcription factors. ELife, 2019, 8, .	6.0	118
8	Posttranslational Influence of NADPH-Dependent Thioredoxin Reductase C on Enzymes in Tetrapyrrole Synthesis Â. Plant Physiology, 2013, 162, 63-73.	4.8	114
9	Crosstalk between chloroplast thioredoxin systems in regulation of photosynthesis. Plant, Cell and Environment, 2016, 39, 1691-1705.	5.7	102
10	Coregulation of light-harvesting complex II phosphorylation and lhcb mRNA accumulation in winter rye. Plant Journal, 2001, 26, 317-327.	5.7	94
11	Thioredoxin-dependent regulatory networks in chloroplasts under fluctuating light conditions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130224.	4.0	91
12	Structural and functional characterization of ferredoxin-NADP+-oxidoreductase using knock-out mutants of Arabidopsis. Plant Journal, 2007, 49, 1041-1052.	5.7	89
13	Chloroplast thioredoxin systems dynamically regulate photosynthesis in plants. Biochemical Journal, 2019, 476, 1159-1172.	3.7	77
14	Deletion of chloroplast NADPH-dependent thioredoxin reductase results in inability to regulate starch synthesis and causes stunted growth under short-day photoperiods. Journal of Experimental Botany, 2013, 64, 3843-3854.	4.8	76
15	Regulation of D1-protein degradation during photoinhibition of photosystem II in vivo: Phosphorylation of the D1 protein in various plant groups. Planta, 1995, 195, 379.	3.2	73
16	Thylakoid protein phosphorylation in evolutionally divergent species with oxygenic photosynthesis. FEBS Letters, 1998, 423, 178-182.	2.8	71
17	Transcriptional and Translational Adjustments of Psba Gene Expression in Mature Chloroplasts During Photoinhibition and Subsequent Repair of Photosystem II. FEBS Journal, 1997, 247, 441-448.	0.2	65
18	Regulation of cyclic electron flow by chloroplast <scp>NADPH</scp>â€dependent thioredoxin system. Plant Direct, 2018, 2, e00093.	1.9	61

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19	Overexpression of chloroplast NADPH-dependent thioredoxin reductase in Arabidopsis enhances leaf growth and elucidates in vivo function of reductase and thioredoxin domains. Frontiers in Plant Science, 2013, 4, 389.	3.6	58
20	Comparative analysis of leafâ€type ferredoxinâ€NADP⁺ oxidoreductase isoforms in Arabidopsis thaliana. Plant Journal, 2009, 57, 1103-1115.	5.7	57
21	Thylakoid Protein Phosphorylation and the Thiol Redox State. Biochemistry, 1999, 38, 3197-3204.	2.5	53
22	Coordination of Plastid and Light Signaling Pathways upon Development of Arabidopsis Leaves under Various Photoperiods. Molecular Plant, 2012, 5, 799-816.	8.3	52
23	Rapid turnover of the D1 reaction-center protein of photosystem II as a protection mechanism against photoinhibition in a moss,Ceratodon purpureus (Hedw.) Brid.. Planta, 1994, 193, 520-529.	3.2	51
24	Chloroplast thioredoxin systems: prospects for improving photosynthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160474.	4.0	50
25	Light-dependent phosphorylation of D1 reaction centre protein of photosystem II: hypothesis for the functional role in vivo. Physiologia Plantarum, 1995, 93, 191-195.	5.2	47
26	Dithiol Oxidant and Disulfide Reductant Dynamically Regulate the Phosphorylation of Light-Harvesting Complex II Proteins in Thylakoid Membranes. Plant Physiology, 2003, 133, 37-46.	4.8	43
27	Comparison of the specific activity of ribulose-1,5-bis-phosphate carboxylase-oxygenase from some C3 and C4 plants. Physiologia Plantarum, 1988, 74, 326-331.	5.2	40
28	Combined Effects of Partial Defoliation and Nutrient Availability on Cloned Betula pendula Saplings. Journal of Experimental Botany, 1993, 44, 1395-1402.	4.8	38
29	Title is missing!. Photosynthesis Research, 1998, 58, 143-151.	2.9	36
30	The Nuclear-Encoded PsbW Protein Subunit of Photosystem II Undergoes Light-Induced Proteolysis. Biochemistry, 1997, 36, 12666-12671.	2.5	29
31	Ascorbate-Mediated LHCII Protein PhosphorylationLHCII Kinase Regulation in Light and in Darknessâ€. Biochemistry, 2003, 42, 5828-5836.	2.5	28
32	Changing the light environment: chloroplast signalling and response mechanisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130220.	4.0	28
33	Photosystem II protein phosphorylation follows four distinctly different regulatory patterns induced by environmental cues. Plant, Cell and Environment, 2003, 26, 1995-2003.	5.7	25
34	Environmental and metaboliccontrol of LHCII protein phosphorylation: revealing the mechanismsfor dual regulation of the LHCII kinase. Plant, Cell and Environment, 2002, 25, 1515-1525.	5.7	23
35	Relationship between chloroplast structure and O2 evolution rate of leaf discs in plants from different biotopes in South Finland. Plant, Cell and Environment, 1986, 9, 87-94.	5.7	21
36	Multilevel regulation of nonâ€photochemical quenching andÂstate transitions by chloroplast NADPHâ€dependent thioredoxin reductase. Physiologia Plantarum, 2019, 166, 211-225.	5.2	19

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37	Two chloroplast thioredoxin systems differentially modulate photosynthesis in Arabidopsis depending on light intensity and leaf age. Plant Journal, 2020, 104, 718-734.	5.7	19
38	Protein phosphorylation and magnesium status regulate the degradation of the D1 reaction centre protein of Photosystem II. Plant Science, 1996, 115, 175-182.	3.6	17
39	Retrograde signaling from functionally heterogeneous plastids. Frontiers in Plant Science, 2012, 3, 286.	3.6	16
40	Influence of protein phosphorylation on the electron-transport properties of Photosystem II. Photosynthesis Research, 2002, 74, 61-72.	2.9	15
41	Dissecting the interaction of photosynthetic electron transfer with mitochondrial signalling and hypoxic response in the Arabidopsis rcd1 mutant. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190413.	4.0	15
42	LHC II protein phosphorylation in leaves of Arabidopsis thaliana mutants deficient in non-photochemical quenching. Photosynthesis Research, 2005, 84, 217-223.	2.9	11
43	Formation of Disulphide Cross-Linked Aggregates of Large Subunit from Higher Plant Ribulose-1, 5-Bisphosphate Carboxylase-Oxygenase. Journal of Experimental Botany, 1989, 40, 1305-1313.	4.8	10
44	Photosynthetic and Photorespiratory Enzymes in Widely Divergent Plant Species with Special Reference to the MossCeratodon purpureus: Properties of Ribulose Bisphosphate Carboxylase/ Oxygenase, Phosphoenolpyruvate Carboxylase and Glycolate Oxidase. Journal of Experimental Botany, 1985, 36, 1677-1684.	4.8	9
45	Implication of chlorophyll biosynthesis on chloroplast-to-nucleus retrograde signaling. Plant Signaling and Behavior, 2009, 4, 545-547.	2.4	9
46	Leaf and chloroplast structure of two aquatic Ranunculus species. Aquatic Botany, 1982, 12, 13-22.	1.6	7
47	DIEL AND SEASONAL CHANGES IN THE CHLOROPLAST ULTRASTRUCTURE OF DESCHAMPSIA FLEXUOSA (L.) TRIN.. New Phytologist, 1985, 100, 537-548.	7.3	6
48	Phosphorylation of Photosystem II Proteins. , 2001, , 395-418.		5
49	Reversible phosphorylation of LHCII proteins in rye leaves â€" redox control and physiological significance. , 1998, , 1903-1906.		2
50	Expression and mutagenesis of genes for ribulose-1,5-bisphosphate carboxylase. Biochemical Society Transactions, 1986, 14, 1223-1223.	3.4	0
51	Plant Response to Stress: Modifications of the Photosynthetic Apparatus. , 2004, , 990-994.		0
52	Chloroplastic NADPH Thioredoxin Reductase Mediates Photoperiod-Dependent Development of Leaves in Arabidopsis. , 2008, , 1303-1306.		0