# Eevi RintamÃ¤ki

## List of Publications by Year in descending order

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Version: 2024-02-01

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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 | 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 |
| 2 | 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 |
| 3 | Chloroplast thioredoxin systems dynamically regulate photosynthesis in plants. Biochemical Journal, 2019, 476, 1159-1172. | 3.7 | 77 |
| 4 | Multilevel regulation of nonâ€photochemical quenching andÂstate transitions by chloroplast NADPHâ€dependent thioredoxin reductase. Physiologia Plantarum, 2019, 166, 211-225. | 5.2 | 19 |
| 5 | Arabidopsis RCD1 coordinates chloroplast and mitochondrial functions through interaction with ANAC transcription factors. ELife, 2019, 8, . | 6.0 | 118 |
| 6 | Regulation of cyclic electron flow by chloroplast <scp>NADPH</scp>â€dependent thioredoxin system. Plant Direct, 2018, 2, e00093. | 1.9 | 61 |
| 7 | Chloroplast thioredoxin systems: prospects for improving photosynthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160474. | 4.0 | 50 |
| 8 | Crosstalk between chloroplast thioredoxin systems in regulation of photosynthesis. Plant, Cell and Environment, 2016, 39, 1691-1705. | 5.7 | 102 |
| 9 | Changing the light environment: chloroplast signalling and response mechanisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130220. | 4.0 | 28 |
| 10 | 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 |
| 11 | Posttranslational Influence of NADPH-Dependent Thioredoxin Reductase C on Enzymes in Tetrapyrrole Synthesis Â. Plant Physiology, 2013, 162, 63-73. | 4.8 | 114 |
| 12 | 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 |
| 13 | 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 |
| 14 | Retrograde signaling from functionally heterogeneous plastids. Frontiers in Plant Science, 2012, 3, 286. | 3.6 | 16 |
| 15 | Coordination of Plastid and Light Signaling Pathways upon Development of Arabidopsis Leaves under Various Photoperiods. Molecular Plant, 2012, 5, 799-816. | 8.3 | 52 |
| 16 | Implication of chlorophyll biosynthesis on chloroplast-to-nucleus retrograde signaling. Plant Signaling and Behavior, 2009, 4, 545-547. | 2.4 | 9 |
| 17 | Chloroplast NADPH-Thioredoxin Reductase Interacts with Photoperiodic Development in Arabidopsis Â Â. Plant Physiology, 2009, 149, 1261-1276. | 4.8 | 143 |
| 18 | Comparative analysis of leafâ€type ferredoxinâ€NADP<sup>+</sup> oxidoreductase isoforms in Arabidopsis thaliana. Plant Journal, 2009, 57, 1103-1115. | 5.7 | 57 |

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|---|---|---|---|
| 19 | Diverse roles for chloroplast stromal and thylakoid-bound ascorbate peroxidases in plant stress responses. Biochemical Journal, 2008, 412, 275-285. | 3.7 | 159 |
| 20 | Chloroplastic NADPH Thioredoxin Reductase Mediates Photoperiod-Dependent Development of Leaves in Arabidopsis. , 2008, , 1303-1306. | | 0 |
| 21 | Structural and functional characterization of ferredoxin-NADP+-oxidoreductase using knock-out mutants of Arabidopsis. Plant Journal, 2007, 49, 1041-1052. | 5.7 | 89 |
| 22 | LHC II protein phosphorylation in leaves of Arabidopsis thaliana mutants deficient in non-photochemical quenching. Photosynthesis Research, 2005, 84, 217-223. | 2.9 | 11 |
| 23 | Dynamics of photosystem II: a proteomic approach to thylakoid protein complexes. Journal of Experimental Botany, 2004, 56, 347-356. | 4.8 | 433 |
| 24 | Plant Response to Stress: Modifications of the Photosynthetic Apparatus. , 2004, , 990-994. | | 0 |
| 25 | 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 |
| 26 | Ascorbate-Mediated LHCII Protein PhosphorylationLHCII Kinase Regulation in Light and in Darknessâ€. Biochemistry, 2003, 42, 5828-5836. | 2.5 | 28 |
| 27 | 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 |
| 28 | 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 |
| 29 | Influence of protein phosphorylation on the electron-transport properties of Photosystem II. Photosynthesis Research, 2002, 74, 61-72. | 2.9 | 15 |
| 30 | Coregulation of light-harvesting complex II phosphorylation and lhcb mRNA accumulation in winter rye. Plant Journal, 2001, 26, 317-327. | 5.7 | 94 |
| 31 | Phosphorylation of Photosystem II Proteins. , 2001, , 395-418. | | 5 |
| 32 | 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 |
| 33 | Thylakoid Protein Phosphorylation and the Thiol Redox State. Biochemistry, 1999, 38, 3197-3204. | 2.5 | 53 |
| 34 | Title is missing!. Photosynthesis Research, 1998, 58, 143-151. | 2.9 | 36 |
| 35 | Thylakoid protein phosphorylation in evolutionally divergent species with oxygenic photosynthesis. FEBS Letters, 1998, 423, 178-182. | 2.8 | 71 |
| 36 | Reversible phosphorylation of LHCII proteins in rye leaves â€" redox control and physiological significance. , 1998, , 1903-1906. | | 2 |

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|---|---|---|---|
| 37 | The Nuclear-Encoded PsbW Protein Subunit of Photosystem II Undergoes Light-Induced Proteolysis. Biochemistry, 1997, 36, 12666-12671. | 2.5 | 29 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Differential D1 Dephosphorylation in Functional and Photodamaged Photosystem II Centers. Journal of Biological Chemistry, 1996, 271, 14870-14875. | 3.4 | 176 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Combined Effects of Partial Defoliation and Nutrient Availability on Cloned Betula pendula Saplings. Journal of Experimental Botany, 1993, 44, 1395-1402. | 4.8 | 38 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Expression and mutagenesis of genes for ribulose-1,5-bisphosphate carboxylase. Biochemical Society Transactions, 1986, 14, 1223-1223. | 3.4 | 0 |
| 50 | DIEL AND SEASONAL CHANGES IN THE CHLOROPLAST ULTRASTRUCTURE OF DESCHAMPSIA FLEXUOSA (L.) TRIN.. New Phytologist, 1985, 100, 537-548. | 7.3 | 6 |
| 51 | 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 |
| 52 | Leaf and chloroplast structure of two aquatic Ranunculus species. Aquatic Botany, 1982, 12, 13-22. | 1.6 | 7 |