

# Enrico Schleiff

## List of Publications by Year in descending order

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Version: 2024-02-01

210  
papers

9,987  
citations

23567

58  
h-index

48315

88  
g-index

213  
all docs

213  
docs citations

213  
times ranked

8772  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | HsfA7 coordinates the transition from mild to strong heat stress response by controlling the activity of the master regulator HsfA1a in tomato. <i>Cell Reports</i> , 2022, 38, 110224.                            | 6.4  | 14        |
| 2  | Retrograde Analysis of Calcium Signaling by CaMPARI2 Shows Cytosolic Calcium in Chondrocytes Is Unaffected by Parabolic Flights. <i>Biomedicines</i> , 2022, 10, 138.  | 3.2  | 2         |
| 3  | Structural analysis of temperature-dependent alternative splicing of HsfA2 pre-mRNA from tomato plants. <i>RNA Biology</i> , 2022, 19, 266-278.  | 3.1  | 6         |
| 4  | Cyclophilin anaCyp40 regulates photosystem assembly and phycobilisome association in a cyanobacterium. <i>Nature Communications</i> , 2022, 13, 1690.  | 12.8 | 2         |
| 5  | Enhanced pro-apoptosis gene signature following the activation of TAp63 $\hat{1}\pm$ in oocytes upon $\hat{1}^3$ irradiation. <i>Cell Death and Disease</i> , 2022, 13, 204.                                       | 6.3  | 5         |
| 6  | The Two TpsB-Like Proteins in <i>Anabaena</i> sp. Strain PCC 7120 Are Involved in Secretion of Selected Substrates. <i>Journal of Bacteriology</i> , 2021, 203, .  | 2.2  | 2         |
| 7  | Insertion of plastidic $\hat{1}^2$ -barrel proteins into the outer envelopes of plastids involves an intermembrane space intermediate formed with Toc75-V/OEP80. <i>Plant Cell</i> , 2021, 33, 1657-1681.          | 6.6  | 15        |
| 8  | Identification and Regulation of Tomato Serine/Arginine-Rich Proteins Under High Temperatures. <i>Frontiers in Plant Science</i> , 2021, 12, 645689.   | 3.6  | 11        |
| 9  | Comparative Phenotypic Analysis of <i>Anabaena</i> sp. PCC 7120 Mutants of Porinlike Genes. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 645-658.  | 2.1  | 16        |
| 10 | A TonB-Like Protein, SjdR, Is Involved in the Structural Definition of the Intercellular Septa in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> . <i>MBio</i> , 2021, 12, e0048321.                        | 4.1  | 5         |
| 11 | The Arabidopsis 2 $\hat{a}^2$ -O-Ribose-Methylation and Pseudouridylation Landscape of rRNA in Comparison to Human and Yeast. <i>Frontiers in Plant Science</i> , 2021, 12, 684626.                                | 3.6  | 10        |
| 12 | Dynamics and thermal sensitivity of rRNA maturation paths in plants. <i>Journal of Experimental Botany</i> , 2021, , .   | 4.8  | 7         |
| 13 | Functional Diversity of TonB-Like Proteins in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>MSphere</i> , 2021, 6, e0021421.  | 2.9  | 2         |
| 14 | Natural variation in HsfA2 pre-mRNA splicing is associated with changes in thermotolerance during tomato domestication. <i>New Phytologist</i> , 2020, 225, 1297-1310.   | 7.3  | 55        |
| 15 | miRNAs involved in transcriptome remodeling during pollen development and heat stress response in <i>Solanum lycopersicum</i> . <i>Scientific Reports</i> , 2020, 10, 10694.                                       | 3.3  | 22        |
| 16 | LptC from <i>Anabaena</i> sp. PCC 7120: Expression, purification and crystallization. <i>Protein Expression and Purification</i> , 2020, 175, 105689.  | 1.3  | 0         |
| 17 | The Existence and Localization of Nuclear snoRNAs in <i>Arabidopsis thaliana</i> Revisited. <i>Plants</i> , 2020, 9, 1016.   | 3.5  | 14        |
| 18 | Purification and Preliminary X-Ray Crystallographic Analysis of the Peptidyl-Prolyl cis $\hat{a}$ trans Isomerase Alr5059 from <i>Anabaena</i> sp. PCC 7120. <i>Crystallography Reports</i> , 2020, 65, 1226-1230. | 0.6  | 1         |

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|----|---|------|-----------|
| 19 | Reprogramming of Tomato Leaf Metabolome by the Activity of Heat Stress Transcription Factor HsfB1. <i>Frontiers in Plant Science</i> , 2020, 11, 610599.  | 3.6  | 19        |
| 20 | Structural and Functional Heat Stress Responses of Chloroplasts of <i>Arabidopsis thaliana</i> . <i>Genes</i> , 2020, 11, 650.  | 2.4  | 14        |
| 21 | Iron homeostasis of cyanobacteria: advancements in siderophores and metal transporters. , 2020, , 85-117.   |      | 10        |
| 22 | Transcriptional Basis for Differential Thermosensitivity of Seedlings of Various Tomato Genotypes. <i>Genes</i> , 2020, 11, 655.  | 2.4  | 5         |
| 23 | Toc75/OEP80 is processed during translocation into chloroplasts, and the membrane-embedded form exposes its POTRA domain to the intermembrane space. <i>FEBS Open Bio</i> , 2020, 10, 444-454.                      | 2.3  | 14        |
| 24 | Membrane Extracts from Plant Tissues. <i>Methods in Molecular Biology</i> , 2020, 2127, 81-92.  | 0.9  | 0         |
| 25 | Citrus exocortis viroid causes ribosomal stress in tomato plants. <i>Nucleic Acids Research</i> , 2019, 47, 8649-8661.  | 14.5 | 32        |
| 26 | Identification and Characterization of a Thermotolerant TILLING Allele of Heat Shock Binding Protein 1 in Tomato. <i>Genes</i> , 2019, 10, 516.   | 2.4  | 18        |
| 27 | Functional diversification of tomato HsfA1 factors is based on DNA binding domain properties. <i>Gene</i> , 2019, 714, 143985.  | 2.2  | 20        |
| 28 | HEATSTER: A Database and Web Server for Identification and Classification of Heat Stress Transcription Factors in Plants. <i>Bioinformatics and Biology Insights</i> , 2019, 13, 117793221882136.                   | 2.0  | 26        |
| 29 | Microgravity research in plants. <i>EMBO Reports</i> , 2019, 20, e48541.  | 4.5  | 22        |
| 30 | The intracellular distribution of the components of the GET system in vascular plants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1650-1662.                                      | 4.1  | 8         |
| 31 | Co-orthologues of ribosome biogenesis factors in <i>A. thaliana</i> are differentially regulated by transcription factors. <i>Plant Cell Reports</i> , 2019, 38, 937-949.   | 5.6  | 2         |
| 32 | Metalloproteins in the Biology of Heterocysts. <i>Life</i> , 2019, 9, 32.   | 2.4  | 23        |
| 33 | Tic22 from <i>Anabaena</i> sp. PCC 7120 with holdase function involved in outer membrane protein biogenesis shuttles between plasma membrane and Omp85. <i>Molecular Microbiology</i> , 2019, 111, 1302-1316.       | 2.5  | 5         |
| 34 | The repressor and co-activator HsfB1 regulates the major heat stress transcription factors in tomato. <i>Plant, Cell and Environment</i> , 2019, 42, 874-890.   | 5.7  | 63        |
| 35 | Plant-specific ribosome biogenesis factors in <i>Arabidopsis thaliana</i> with essential function in rRNA processing. <i>Nucleic Acids Research</i> , 2019, 47, 1880-1895.  | 14.5 | 47        |
| 36 | The signal distinguishing between targeting of outer membrane $\beta$ -barrel protein to plastids and mitochondria in plants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 663-672. | 4.1  | 11        |

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|----|--|------|-----------|
| 37 | Regulation of two GTPases Toc159 and Toc34 in the translocon of the outer envelope of chloroplasts. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 627-636.          | 2.3  | 14        |
| 38 | Late ribosomal protein localization in <i>Arabidopsis thaliana</i> differs to that in <i>Saccharomyces cerevisiae</i> . <i>FEBS Open Bio</i> , 2018, 8, 1437-1444.                                 | 2.3  | 5         |
| 39 | The outer membrane Omp85-like protein P39 influences metabolic homeostasis in mature <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2018, 20, 825-833.                                       | 3.8  | 3         |
| 40 | Alternative splicing in tomato pollen in response to heat stress. <i>DNA Research</i> , 2017, 24, dsw051.  | 3.4  | 55        |
| 41 | The plastid outer membrane localized LPTD1 is important for glycerolipid remodelling under phosphate starvation. <i>Plant, Cell and Environment</i> , 2017, 40, 1643-1657.                         | 5.7  | 13        |
| 42 | DNA binding and repressor function are prerequisites for the turnover of the tomato heat stress transcription factor HsfB1. <i>Plant Journal</i> , 2017, 89, 31-44.                                | 5.7  | 12        |
| 43 | Chloroplast outer envelope protein P39 in <i>Arabidopsis thaliana</i> belongs to the Omp85 protein family. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1391-1401.          | 2.6  | 8         |
| 44 | Nucleolar Proteome Analysis and Proteasomal Activity Assays Reveal a Link between Nucleolus and 26S Proteasome in <i>A. thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1815.          | 3.6  | 26        |
| 45 | Modeling the Metabolism of <i>Arabidopsis thaliana</i> : Application of Network Decomposition and Network Reduction in the Context of Petri Nets. <i>Frontiers in Genetics</i> , 2017, 8, 85.      | 2.3  | 10        |
| 46 | Protocol for Enrichment of the Membrane Proteome of Mature Tomato Pollen. <i>Bio-protocol</i> , 2017, 7, e2315.  | 0.4  | 3         |
| 47 | Unfolded protein response in pollen development and heat stress tolerance. <i>Plant Reproduction</i> , 2016, 29, 81-91.  | 2.2  | 70        |
| 48 | Relative Orientation of POTRA Domains from Cyanobacterial Omp85 Studied by Pulsed EPR Spectroscopy. <i>Biophysical Journal</i> , 2016, 110, 2195-2206.   | 0.5  | 21        |
| 49 | HsfA2 Controls the Activity of Developmentally and Stress-Regulated Heat Stress Protection Mechanisms in Tomato Male Reproductive Tissues. <i>Plant Physiology</i> , 2016, 170, 2461-2477.         | 4.8  | 148       |
| 50 | 50 years of amino acid hydrophobicity scales: revisiting the capacity for peptide classification. <i>Biological Research</i> , 2016, 49, 31.   | 3.4  | 77        |
| 51 | Separating mitochondrial protein assembly and endoplasmic reticulum tethering by selective coupling of Mdm10. <i>Nature Communications</i> , 2016, 7, 13021.                                       | 12.8 | 74        |
| 52 | Characterization of the targeting signal in mitochondrial $\beta$ -barrel proteins. <i>Nature Communications</i> , 2016, 7, 12036.   | 12.8 | 80        |
| 53 | Survey of Genes Involved in Biosynthesis, Transport, and Signaling of Phytohormones with Focus on <i>Solanum lycopersicum</i> . <i>Bioinformatics and Biology Insights</i> , 2016, 10, BBI.S38425. | 2.0  | 21        |
| 54 | Multiplicity and specificity of siderophore uptake in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Plant Molecular Biology</i> , 2016, 92, 57-69.   | 3.9  | 15        |

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|----|---|------|-----------|
| 55 | Pollen as a target of environmental changes. <i>Plant Reproduction</i> , 2016, 29, 1-2.   | 2.2  | 10        |
| 56 | Protein cofactor competition regulates the action of a multifunctional RNA helicase in different pathways. <i>RNA Biology</i> , 2016, 13, 320-330.  | 3.1  | 39        |
| 57 | Eukaryotic Hsp70 chaperones in the intermembrane space of chloroplasts. <i>Planta</i> , 2016, 243, 733-747.   | 3.2  | 10        |
| 58 | Proteome distribution between nucleoplasm and nucleolus and its relation to ribosome biogenesis in <i>Arabidopsis thaliana</i> . <i>RNA Biology</i> , 2016, 13, 441-454.                            | 3.1  | 48        |
| 59 | Importance of organellar proteins, protein translocation and vesicle transport routes for pollen development and function. <i>Plant Reproduction</i> , 2016, 29, 53-65.                             | 2.2  | 11        |
| 60 | The membrane proteome of male gametophyte in <i>Solanum lycopersicum</i> . <i>Journal of Proteomics</i> , 2016, 131, 48-60.   | 2.4  | 25        |
| 61 | Identification of novel small ncRNAs in pollen of tomato. <i>BMC Genomics</i> , 2015, 16, 714.  | 2.8  | 27        |
| 62 | Identification and Expression Analysis of Ribosome Biogenesis Factor Co-orthologs in <i>Solanum lycopersicum</i> . <i>Bioinformatics and Biology Insights</i> , 2015, 9, BBI.S20751.                | 2.0  | 62        |
| 63 | Multiple modes of iron uptake by the filamentous, siderophore-producing cyanobacterium, <i>Anabaena</i> sp. PCC 7120. <i>Molecular Microbiology</i> , 2015, 97, 577-588.                            | 2.5  | 43        |
| 64 | Dynamics of the Glycophorin A Dimer in Membranes of Native-Like Composition Uncovered by Coarse-Grained Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2015, 10, e0133999.                       | 2.5  | 19        |
| 65 | Functional properties of LptA and LptD in <i>Anabaena</i> sp. PCC 7120. <i>Biological Chemistry</i> , 2015, 396, 1151-1162.   | 2.5  | 5         |
| 66 | Prospects of engineering thermotolerance in crops through modulation of heat stress transcription factor and heat shock protein networks. <i>Plant, Cell and Environment</i> , 2015, 38, 1881-1895. | 5.7  | 181       |
| 67 | The Peptidoglycan-Binding Protein SjcF1 Influences Septal Junction Function and Channel Formation in the Filamentous Cyanobacterium <i>Anabaena</i> . <i>MBio</i> , 2015, 6, e00376.                | 4.1  | 33        |
| 68 | The association of late-acting snoRNPs with human pre-ribosomal complexes requires the RNA helicase DDX21. <i>Nucleic Acids Research</i> , 2015, 43, 553-564.                                       | 14.5 | 64        |
| 69 | Hsp90 Is Involved in the Regulation of Cytosolic Precursor Protein Abundance in Tomato. <i>Molecular Plant</i> , 2015, 8, 228-241.  | 8.3  | 21        |
| 70 | Chaperone network composition in <i>Solanum lycopersicum</i> explored by transcriptome profiling and microarray meta-analysis. <i>Plant, Cell and Environment</i> , 2015, 38, 693-709.              | 5.7  | 71        |
| 71 | atBRX1-1 and atBRX1-2 are involved in an alternative rRNA processing pathway in <i>Arabidopsis thaliana</i> . <i>Rna</i> , 2015, 21, 415-425.   | 3.5  | 68        |
| 72 | The composition of the global and feature specific cyanobacterial core-genomes. <i>Frontiers in Microbiology</i> , 2015, 6, 219.  | 3.5  | 38        |

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|----|---|------|-----------|
| 73 | The Omp85-type outer membrane protein p36 of <i>Arabidopsis thaliana</i> evolved by recent gene duplication. <i>Journal of Plant Research</i> , 2015, 128, 317-325.   | 2.4  | 6         |
| 74 | Plant-Specific Features of Ribosome Biogenesis. <i>Trends in Plant Science</i> , 2015, 20, 729-740.   | 8.8  | 126       |
| 75 | Secretome analysis of <i>A. nabaena</i> sp. PCC 7120 and the involvement of the TolC homologue HgdD in protein secretion. <i>Environmental Microbiology</i> , 2015, 17, 767-780.  | 3.8  | 24        |
| 76 | The Complexity of Vesicle Transport Factors in Plants Examined by Orthology Search. <i>PLoS ONE</i> , 2014, 9, e97745.  | 2.5  | 34        |
| 77 | The Influence of Fatty Acids on the GpA Dimer Interface by Coarse-Grained Molecular Dynamics Simulation. <i>International Journal of Molecular Sciences</i> , 2014, 15, 14247-14268.  | 4.1  | 4         |
| 78 | The evolution of the ribosome biogenesis pathway from a yeast perspective. <i>Nucleic Acids Research</i> , 2014, 42, 1509-1523.   | 14.5 | 87        |
| 79 | A pre-ribosomal RNA interaction network involving snoRNAs and the Rok1 helicase. <i>Rna</i> , 2014, 20, 1173-1182.  | 3.5  | 45        |
| 80 | Nucleotides and Substrates Trigger the Dynamics of the Toc34 GTPase Homodimer Involved in Chloroplast Preprotein Translocation. <i>Structure</i> , 2014, 22, 526-538.   | 3.3  | 20        |
| 81 | Cell Envelope Components Influencing Filament Length in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2014, 196, 4026-4035.   | 2.2  | 22        |
| 82 | Protein Targeting and Transport as a Necessary Consequence of Increased Cellular Complexity. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016055-a016055.  | 5.5  | 15        |
| 83 | The 60S associated ribosome biogenesis factor LSG1 is required for 40S maturation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 80, 1043-1056.  | 5.7  | 43        |
| 84 | Evolution of the Protein Translocons of the Chloroplast Envelope. , 2014, , 81-110.   |      | 5         |
| 85 | Hsp90 is involved in the regulation of cytosolic precursor protein abundance in tomato. <i>Molecular Plant</i> , 2014, , .  | 8.3  | 0         |
| 86 | The protein translocation systems in plants – composition and variability on the example of <i>Solanum lycopersicum</i> . <i>BMC Genomics</i> , 2013, 14, 189.  | 2.8  | 23        |
| 87 | The response of the TonB-dependent transport network in <i>Anabaena</i> sp. PCC 7120 to cell density and metal availability. <i>BioMetals</i> , 2013, 26, 549-560.  | 4.1  | 15        |
| 88 | Essential ribosome assembly factor Fap7 regulates a hierarchy of RNA-protein interactions during small ribosomal subunit biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15253-15258. | 7.1  | 40        |
| 89 | Iron in Cyanobacteria. <i>Advances in Botanical Research</i> , 2013, , 57-105.  | 1.1  | 68        |
| 90 | Mdm10 is an ancient eukaryotic porin co-occurring with the ERMES complex. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3314-3325.   | 4.1  | 68        |

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|-----|--|------|-----------|
| 91  | <scp>T</scp>oc33 and <scp>T</scp>oc64â€œ<scp>III</scp> cooperate in precursor protein import into the chloroplasts of <i><scp>A</scp>rabidopsis thaliana</i>. <i>Plant, Cell and Environment</i> , 2013, 36, 970-983.  | 5.7  | 30        |
| 92  | Protein targeting to subcellular organelles via mRNA localization. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 260-273.   | 4.1  | 101       |
| 93  | What comes around goes around: Protein import and quality control in mitochondria and plastids. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 243-244.  | 4.1  | 0         |
| 94  | The folding capacity of the mature domain of the dual-targeted plant tRNA nucleotidyltransferase influences organelle selection. <i>Biochemical Journal</i> , 2013, 453, 401-412.  | 3.7  | 12        |
| 95  | Defining the Core Proteome of the Chloroplast Envelope Membranes. <i>Frontiers in Plant Science</i> , 2013, 4, 11.   | 3.6  | 75        |
| 96  | Perspectives on deciphering mechanisms underlying plant heat stress response and thermotolerance. <i>Frontiers in Plant Science</i> , 2013, 4, 315.  | 3.6  | 323       |
| 97  | The Outer Membrane TolC-like Channel HgdD Is Part of Tripartite Resistance-Nodulation-Cell Division (RND) Efflux Systems Conferring Multiple-drug Resistance in the Cyanobacterium <i>Anabaena</i> sp. PCC7120. <i>Journal of Biological Chemistry</i> , 2013, 288, 31192-31205. | 3.4  | 22        |
| 98  | In Vivo Function of Tic22, a Protein Import Component of the Intermembrane Space of Chloroplasts. <i>Molecular Plant</i> , 2013, 6, 817-829.   | 8.3  | 30        |
| 99  | MALDI analysis of proteins after extraction from dissolvable ethylene glycol diacrylate crossâ€linked polyacrylamide gels. <i>Electrophoresis</i> , 2013, 34, 2484-2494.   | 2.4  | 6         |
| 100 | self-assembling GFP: A Versatile Tool for Plant (Membrane) Protein Analyses. <i>Methods in Molecular Biology</i> , 2013, 1033, 131-144.  | 0.9  | 5         |
| 101 | 40S Ribosome Biogenesis Co-Factors Are Essential for Gametophyte and Embryo Development. <i>PLoS ONE</i> , 2013, 8, e54084.  | 2.5  | 74        |
| 102 | Identification of two voltage-dependent anion channel-like protein sequences conserved in Kinetoplastida. <i>Biology Letters</i> , 2012, 8, 446-449.   | 2.3  | 17        |
| 103 | Structure and Conservation of the Periplasmic Targeting Factor Tic22 Protein from Plants and Cyanobacteria. <i>Journal of Biological Chemistry</i> , 2012, 287, 24164-24173.   | 3.4  | 33        |
| 104 | Structural and functional analysis of the archaeal endonuclease Nob1. <i>Nucleic Acids Research</i> , 2012, 40, 3259-3274.   | 14.5 | 64        |
| 105 | The TolC-like Protein HgdD of the Cyanobacterium <i>Anabaena</i> sp. PCC 7120 Is Involved in Secondary Metabolite Export and Antibiotic Resistance. <i>Journal of Biological Chemistry</i> , 2012, 287, 41126-41138.   | 3.4  | 34        |
| 106 | Chloroplast Î²-Barrel Proteins Are Assembled into the Mitochondrial Outer Membrane in a Process That Depends on the TOM and TOB Complexes. <i>Journal of Biological Chemistry</i> , 2012, 287, 27467-27479.  | 3.4  | 30        |
| 107 | The Recent Evolution of a Symbiotic Ion Channel in the Legume Family Altered Ion Conductance and Improved Functionality in Calcium Signaling. <i>Plant Cell</i> , 2012, 24, 2528-2545.   | 6.6  | 57        |
| 108 | Recycling and Tinkering: The Evolution of Protein Transport to and into Endosymbiotically Derived Organelles. , 2012, , 175-216.   |      | 1         |

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|-----|---|------|-----------|
| 109 | Backbone and side chain NMR resonance assignments for an archaeal homolog of the endonuclease Nob1 involved in ribosome biogenesis. <i>Biomolecular NMR Assignments</i> , 2012, 6, 47-50.                     | 0.8  | 4         |
| 110 | Specific lipids influence the import capacity of the chloroplast outer envelope precursor protein translocon. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1033-1040.         | 4.1  | 4         |
| 111 | The components of the putative iron transport system in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Environmental Microbiology</i> , 2012, 14, 1655-1670.   | 3.8  | 44        |
| 112 | DNA Damage in Oocytes Induces a Switch of the Quality Control Factor TAp63 from Dimer to Tetramer. <i>Cell</i> , 2011, 144, 566-576.  | 28.9 | 117       |
| 113 | The functional domains of the chloroplast unusual positioning protein 1. <i>Plant Science</i> , 2011, 180, 650-654.   | 3.6  | 16        |
| 114 | Substrate binding disrupts dimerization and induces nucleotide exchange of the chloroplast GTPase Toc33. <i>Biochemical Journal</i> , 2011, 436, 313-319.   | 3.7  | 25        |
| 115 | Outer membrane continuity and septosome formation between vegetative cells in the filaments of <i>Anabaena</i> sp. PCC 7120. <i>Cellular Microbiology</i> , 2011, 13, 1744-1754.                              | 2.1  | 81        |
| 116 | Transitions of gene expression induced by short-term blue light. <i>Plant Biology</i> , 2011, 13, 349-361.  | 3.8  | 23        |
| 117 | A high-definition native polyacrylamide gel electrophoresis system for the analysis of membrane complexes. <i>Plant Journal</i> , 2011, 67, 181-194.  | 5.7  | 38        |
| 118 | Common ground for protein translocation: access control for mitochondria and chloroplasts. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 48-59.  | 37.0 | 223       |
| 119 | Structural elements of the mitochondrial preprotein-conducting channel Tom40 dissolved by bioinformatics and mass spectrometry. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1647-1657. | 1.0  | 31        |
| 120 | The localization of Tic20 proteins in <i>Arabidopsis thaliana</i> is not restricted to the inner envelope membrane of chloroplasts. <i>Plant Molecular Biology</i> , 2011, 77, 381-390.                       | 3.9  | 32        |
| 121 | Crosstalk between Hsp90 and Hsp70 Chaperones and Heat Stress Transcription Factors in Tomato. <i>Plant Cell</i> , 2011, 23, 741-755.  | 6.6  | 294       |
| 122 | Omp85 in eukaryotic systems: one protein family with distinct functions. <i>Biological Chemistry</i> , 2011, 392, 21-7.   | 2.5  | 31        |
| 123 | Highlight: Membrane transport in light of structure, function, and evolution. <i>Biological Chemistry</i> , 2011, 392, 3.   | 2.5  | 0         |
| 124 | Chloroplast Omp85 proteins change orientation during evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13841-13846.                              | 7.1  | 80        |
| 125 | Protein-Induced Modulation of Chloroplast Membrane Morphology. <i>Frontiers in Plant Science</i> , 2011, 2, 118.  | 3.6  | 38        |
| 126 | Studying Chloroplast Protein Interactions In Vitro: An Overview of the Available Methods. <i>Methods in Molecular Biology</i> , 2011, 775, 67-90.   | 0.9  | 0         |



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|-----|---|-----|-----------|
| 127 | The evolution of protein targeting and translocation systems. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 1115-1130.   | 4.1 | 38        |
| 128 | Filling the Gap, Evolutionarily Conserved Omp85 in Plastids of Chromalveolates. <i>Journal of Biological Chemistry</i> , 2010, 285, 6848-6856.  | 3.4 | 73        |
| 129 | Conserved Properties of Polypeptide Transport-associated (POTRA) Domains Derived from Cyanobacterial Omp85. <i>Journal of Biological Chemistry</i> , 2010, 285, 18016-18024.  | 3.4 | 53        |
| 130 | On the Impact of Precursor Unfolding during Protein Import into Chloroplasts. <i>Molecular Plant</i> , 2010, 3, 499-508.  | 8.3 | 29        |
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