

Eva-Mari Aro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

387
papers

21,619
citations

81
h-index

130
g-index

405
ext. papers

24,217
ext. citations

6
avg, IF

7.04
L-index

#	Paper	IF	Citations
387	True oxygen reduction capacity during photosynthetic electron transfer in thylakoids and intact leaves.. <i>Plant Physiology</i> , 2022 ,	6.6	1
386	Paradoxes in judging the inhibition of photosynthetic electron transfer chain using P700 oxidation and dark re-reduction analyses. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022 , 148581	4.6	
385	Hydrocarbon Desaturation in Cyanobacterial Thylakoid Membranes Is Linked With Acclimation to Suboptimal Growth Temperatures.. <i>Frontiers in Microbiology</i> , 2021 , 12, 781864	5.7	0
384	Photosystem I Inhibition, Protection and Signalling: Knowns and Unknowns.. <i>Frontiers in Plant Science</i> , 2021 , 12, 791124	6.2	4
383	NordAqua, a Nordic Center of Excellence to develop an algae-based photosynthetic production platform. <i>Physiologia Plantarum</i> , 2021 , 173, 507-513	4.6	2
382	Global proteomic response of unicellular cyanobacterium <i>Synechocystis</i> sp. PCC 6803 to fluctuating light upon CO step-down. <i>Physiologia Plantarum</i> , 2021 , 173, 305-320	4.6	
381	Comparison of alternative integration sites in the chromosome and the native plasmids of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 in respect to expression efficiency and copy number. <i>Microbial Cell Factories</i> , 2021 , 20, 130	6.4	6
380	Characterization of the Free and Membrane-Associated Fractions of the Thylakoid Lumen Proteome in. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
379	Photosynthetic signalling during high light stress and recovery: targets and dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190406	5.8	10
378	Higher order photoprotection mutants reveal the importance of pH-dependent photosynthesis-control in preventing light induced damage to both photosystem II and photosystem I. <i>Scientific Reports</i> , 2020 , 10, 6770	4.9	8
377	Dissecting the interaction of photosynthetic electron transfer with mitochondrial signalling and hypoxic response in the <i>Arabidopsis</i> mutant. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190413	5.8	11
376	Adjustment of photosynthetic activity to drought and fluctuating light in wheat. <i>Plant, Cell and Environment</i> , 2020 , 43, 1484-1500	8.4	18
375	The small Ca-binding protein CSE links Ca signalling with nitrogen metabolism and filament integrity in <i>Anabaena</i> sp. PCC 7120. <i>BMC Microbiology</i> , 2020 , 20, 57	4.5	3
374	PGR5 and NDH-1 systems do not function as protective electron acceptors but mitigate the consequences of PSI inhibition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148154	4.6	22
373	A Commonly Used Photosynthetic Inhibitor Fails to Block Electron Flow to Photosystem I in Intact Systems. <i>Frontiers in Plant Science</i> , 2020 , 11, 382	6.2	5
372	Specific Lhc Proteins Are Bound to PSI or PSII Supercomplexes in the Diatom. <i>Plant Physiology</i> , 2020 , 183, 67-79	6.6	8
371	PROTEIN PHOSPHATASE 2A-B' Controls Resistance and Developmental Leaf Senescence. <i>Plant Physiology</i> , 2020 , 182, 1161-1181	6.6	13

370	GUN1 influences the accumulation of NEP-dependent transcripts and chloroplast protein import in Arabidopsis cotyledons upon perturbation of chloroplast protein homeostasis. <i>Plant Journal</i> , 2020 , 101, 1198-1220	6.9	16
369	Specific thylakoid protein phosphorylations are prerequisites for overwintering of Norway spruce () photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17499-17509	11.5	10
368	Rapid Transcriptional Reprogramming Triggered by Alteration of the Carbon/Nitrogen Balance Has an Impact on Energy Metabolism in sp. PCC 7120. <i>Life</i> , 2020 , 10,	3	1
367	Gel-based proteomic map of Arabidopsis thaliana root plastids and mitochondria. <i>BMC Plant Biology</i> , 2020 , 20, 413	5.3	2
366	Photosystem II: Assembly and Turnover of the Reaction Center D1 Protein in Plant Chloroplasts 2020 , 207-207		1
365	PSB33 protein sustains photosystem II in plant chloroplasts under UV-A light. <i>Journal of Experimental Botany</i> , 2020 , 71, 7210-7223	7	0
364	Composition, phosphorylation and dynamic organization of photosynthetic protein complexes in plant thylakoid membrane. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 604-619	4.2	18
363	Arabidopsis PsbP-Like Protein 1 Facilitates the Assembly of the Photosystem II Supercomplexes and Optimizes Plant Fitness under Fluctuating Light. <i>Plant and Cell Physiology</i> , 2020 , 61, 1168-1180	4.9	3
362	A novel Ca-binding protein influences photosynthetic electron transport in Anabaena sp. PCC 7120. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019 , 1860, 519-532	4.6	8
361	Enhanced stable production of ethylene in photosynthetic cyanobacterium Synechococcus elongatus PCC 7942. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 77	4.4	16
360	Thylakoid Protein Phosphorylation Dynamics in a Moss Mutant Lacking SERINE/THREONINE PROTEIN KINASE STN8. <i>Plant Physiology</i> , 2019 , 180, 1582-1597	6.6	13
359	Thylakoid Localized Type 2 NAD(P)H Dehydrogenase NdbA Optimizes Light-Activated Heterotrophic Growth of Synechocystis sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2019 , 60, 1386-1399	4.9	5
358	The unique photosynthetic apparatus of Pinaceae: analysis of photosynthetic complexes in Picea abies. <i>Journal of Experimental Botany</i> , 2019 , 70, 3211-3225	7	12
357	Photoinhibition of Photosystem I Provides Oxidative Protection During Imbalanced Photosynthetic Electron Transport in. <i>Frontiers in Plant Science</i> , 2019 , 10, 916	6.2	30
356	A Genome-Wide Association Study of Non-Photochemical Quenching in response to local seasonal climates in. <i>Plant Direct</i> , 2019 , 3, e00138	3.3	7
355	Redirecting photosynthetic electron flux in the cyanobacterium Synechocystis sp. PCC 6803 by the deletion of flavodiiron protein Flv3. <i>Microbial Cell Factories</i> , 2019 , 18, 189	6.4	19
354	Arabidopsis RCD1 coordinates chloroplast and mitochondrial functions through interaction with ANAC transcription factors. <i>ELife</i> , 2019 , 8,	8.9	62
353	Author response: Arabidopsis RCD1 coordinates chloroplast and mitochondrial functions through interaction with ANAC transcription factors 2019 ,		2

352	Flavodiiron proteins 1-to-4 function in versatile combinations in O photoreduction in cyanobacteria. <i>ELife</i> , 2019 , 8,	8.9	30
351	The Role of Phosphorylation Dynamics of CURVATURE THYLAKOID 1B in Plant Thylakoid Membranes. <i>Plant Physiology</i> , 2019 , 181, 1615-1631	6.6	20
350	Consequences of photosystem-I damage and repair on photosynthesis and carbon use in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2019 , 97, 1061-1072	6.9	26
349	Role of cyclic and pseudo-cyclic electron transport in response to dynamic light changes in <i>Physcomitrella patens</i> . <i>Plant, Cell and Environment</i> , 2019 , 42, 1590-1602	8.4	28
348	Factors affecting photobiological hydrogen production in five filamentous cyanobacteria from Thailand. <i>Photosynthetica</i> , 2018 , 56, 334-341	2.2	7
347	Proteomics of cyanobacteria: current horizons. <i>Current Opinion in Biotechnology</i> , 2018 , 54, 65-71	11.4	13
346	A new approach for sustained and efficient H ₂ photoproduction by <i>Chlamydomonas reinhardtii</i> . <i>Energy and Environmental Science</i> , 2018 , 11, 1431-1436	35.4	45
345	Interplay of SpkG kinase and the Slr0151 protein in the phosphorylation of ferredoxin 5 in <i>Synechocystis</i> sp. strain PCC 6803. <i>FEBS Letters</i> , 2018 , 592, 411-421	3.8	11
344	Enhancing power density of biophotovoltaics by decoupling storage and power delivery. <i>Nature Energy</i> , 2018 , 3, 75-81	62.3	73
343	Translation efficiency of heterologous proteins is significantly affected by the genetic context of RBS sequences in engineered cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Microbial Cell Factories</i> , 2018 , 17, 34	6.4	43
342	Hunting the main player enabling <i>Chlamydomonas reinhardtii</i> growth under fluctuating light. <i>Plant Journal</i> , 2018 , 94, 822-835	6.9	67
341	Comparison of ethanol tolerance between potential cyanobacterial production hosts. <i>Journal of Biotechnology</i> , 2018 , 283, 140-145	3.7	4
340	Mechanisms of Photodamage and Protein Turnover in Photoinhibition. <i>Trends in Plant Science</i> , 2018 , 23, 667-676	13.1	97
339	Separation of Thylakoid Protein Complexes with Two-dimensional Native-PAGE. <i>Bio-protocol</i> , 2018 , 8, e2899	0.9	2
338	In the lycophyte <i>Selaginella martensii</i> is the β xtra-qT related to energy spillover? Insights into photoprotection in ancestral vascular plants. <i>Environmental and Experimental Botany</i> , 2018 , 154, 110-122	5.9	10
337	Regulation of cyclic electron flow by chloroplast NADPH-dependent thioredoxin system. <i>Plant Direct</i> , 2018 , 2, e00093	3.3	34
336	Analysis of Thylakoid Membrane Protein Complexes by Blue Native Gel Electrophoresis. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
335	A LHCB9-dependent photosystem I megacomplex induced under low light in <i>Physcomitrella patens</i> . <i>Nature Plants</i> , 2018 , 4, 910-919	11.5	20

334	Comparative analysis of mutant plants impaired in the main regulatory mechanisms of photosynthetic light reactions - From biophysical measurements to molecular mechanisms. <i>Plant Physiology and Biochemistry</i> , 2017 , 112, 290-301	5.4	23
333	Inactivation of iron-sulfur cluster biogenesis regulator SufR in <i>Synechocystis</i> sp. PCC 6803 induces unique iron-dependent protein-level responses. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1085-1098	4	13
332	Identification and characterization of a stable intermediate in photosystem I assembly in tobacco. <i>Plant Journal</i> , 2017 , 90, 478-490	6.9	12
331	Comparison of orthologous cyanobacterial aldehyde deformylating oxygenases in the production of volatile C3-C7 alkanes in engineered. <i>Metabolic Engineering Communications</i> , 2017 , 5, 9-18	6.5	15
330	Acclimation of Oxygenic Photosynthesis to Iron Starvation Is Controlled by the sRNA IsaR1. <i>Current Biology</i> , 2017 , 27, 1425-1436.e7	6.3	56
329	Higher packing of thylakoid complexes ensures a preserved Photosystem II activity in mixotrophic <i>Neochloris oleoabundans</i> . <i>Algal Research</i> , 2017 , 25, 322-332	5	8
328	Role of Type 2 NAD(P)H Dehydrogenase NdbC in Redox Regulation of Carbon Allocation in. <i>Plant Physiology</i> , 2017 , 174, 1863-1880	6.6	15
327	SRM dataset of the proteome of inactivated iron-sulfur cluster biogenesis regulator SufR in sp. PCC 6803. <i>Data in Brief</i> , 2017 , 11, 572-575	1.2	3
326	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. <i>New Phytologist</i> , 2017 , 214, 967-972	9.8	85
325	Pyridine nucleotide transhydrogenase PntAB is essential for optimal growth and photosynthetic integrity under low-light mixotrophic conditions in <i>Synechocystis</i> sp. PCC 6803. <i>New Phytologist</i> , 2017 , 214, 194-204	9.8	17
324	Dissecting the Photoprotective Mechanism Encoded by the flv4-2 Operon: a Distinct Contribution of Sll0218 in Photosystem II Stabilization. <i>Plant, Cell and Environment</i> , 2017 , 40, 378-389	8.4	11
323	Proteomic characterization of hierarchical megacomplex formation in <i>Arabidopsis</i> thylakoid membrane. <i>Plant Journal</i> , 2017 , 92, 951-962	6.9	31
322	Septal protein SepJ from the heterocyst-forming cyanobacterium forms multimers and interacts with peptidoglycan. <i>FEBS Open Bio</i> , 2017 , 7, 1515-1526	2.7	7
321	PSB33 sustains photosystem II D1 protein under fluctuating light conditions. <i>Journal of Experimental Botany</i> , 2017 , 68, 4281-4293	7	7
320	Interaction between photosynthetic electron transport and chloroplast sinks triggers protection and signalling important for plant productivity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	32
319	The effect of enhanced acetate influx on <i>Synechocystis</i> sp. PCC 6803 metabolism. <i>Microbial Cell Factories</i> , 2017 , 16, 21	6.4	19
318	Oxygenic Photosynthesis [Light Reactions within the Frame of Thylakoid Architecture and Evolution 2017 , 243-263		1
317	The Low Molecular Weight Protein Psal Stabilizes the Light-Harvesting Complex II Docking Site of Photosystem I. <i>Plant Physiology</i> , 2016 , 172, 450-63	6.6	7

316	The NDH-1L-PSI Supercomplex Is Important for Efficient Cyclic Electron Transport in Cyanobacteria. <i>Plant Physiology</i> , 2016 , 172, 1451-1464	6.6	39
315	Flavodiiron proteins act as safety valve for electrons in <i>Physcomitrella patens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12322-12327	11.5	103
314	Study of O-Phosphorylation Sites in Proteins Involved in Photosynthesis-Related Processes in <i>Synechocystis</i> sp. Strain PCC 6803: Application of the SRM Approach. <i>Journal of Proteome Research</i> , 2016 , 15, 4638-4652	5.6	22
313	Photodamage of iron-sulphur clusters in photosystem I induces non-photochemical energy dissipation. <i>Nature Plants</i> , 2016 , 2, 16035	11.5	99
312	Calcium impacts carbon and nitrogen balance in the filamentous cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Journal of Experimental Botany</i> , 2016 , 67, 3997-4008	7	14
311	Manganese Compounds as Water-Oxidizing Catalysts: From the Natural Water-Oxidizing Complex to Nanosized Manganese Oxide Structures. <i>Chemical Reviews</i> , 2016 , 116, 2886-936	68.1	442
310	Turning around the electron flow in an uptake hydrogenase. EPR spectroscopy and in vivo activity of a designed mutant in HupSL from <i>Nostoc punctiforme</i> . <i>Energy and Environmental Science</i> , 2016 , 9, 581-594	35.4	20
309	PGR5-PGRL1-Dependent Cyclic Electron Transport Modulates Linear Electron Transport Rate in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2016 , 9, 271-288	14.4	84
308	Development of a Quantitative SRM-Based Proteomics Method to Study Iron Metabolism of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Proteome Research</i> , 2016 , 15, 266-79	5.6	20
307	The Flavodiiron Protein Flv3 Functions as a Homo-Oligomer During Stress Acclimation and is Distinct from the Flv1/Flv3 Hetero-Oligomer Specific to the O ₂ Photoreduction Pathway. <i>Plant and Cell Physiology</i> , 2016 , 57, 1468-1483	4.9	25
306	NDH-1 and NDH-2 Plastoquinone Reductases in Oxygenic Photosynthesis. <i>Annual Review of Plant Biology</i> , 2016 , 67, 55-80	30.7	145
305	From first generation biofuels to advanced solar biofuels. <i>Ambio</i> , 2016 , 45 Suppl 1, S24-31	6.5	194
304	Evolution of Photosynthetic NDH-1: Structure and Physiological Function. <i>Advances in Photosynthesis and Respiration</i> , 2016 , 51-70	1.7	1
303	Photosystem II Repair and Plant Immunity: Lessons Learned from <i>Arabidopsis</i> Mutant Lacking the THYLAKOID LUMEN PROTEIN 18.3. <i>Frontiers in Plant Science</i> , 2016 , 7, 405	6.2	10
302	Light acclimation in the lycophyte <i>Selaginella martensii</i> depends on changes in the amount of photosystems and on the flexibility of the light-harvesting complex II antenna association with both photosystems. <i>New Phytologist</i> , 2016 , 211, 554-68	9.8	29
301	Serine and threonine residues of plant STN7 kinase are differentially phosphorylated upon changing light conditions and specifically influence the activity and stability of the kinase. <i>Plant Journal</i> , 2016 , 87, 484-94	6.9	28
300	Changes in Relative Thylakoid Protein Abundance Induced by Fluctuating Light in the Diatom <i>Thalassiosira pseudonana</i> . <i>Journal of Proteome Research</i> , 2016 , 15, 1649-58	5.6	17
299	Thylakoid-Bound FtsH Proteins Facilitate Proper Biosynthesis of Photosystem I. <i>Plant Physiology</i> , 2016 , 171, 1333-43	6.6	20

298	Downregulation of TAP38/PPH1 enables LHCII hyperphosphorylation in Arabidopsis mutant lacking LHCII docking site in PSI. <i>FEBS Letters</i> , 2016 , 590, 787-94	3.8	13
297	Photosystem II repair in plant chloroplasts--Regulation, assisting proteins and shared components with photosystem II biogenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 900-9	4.6	193
296	Transcriptomic and Proteomic Profiling of Anabaena sp. Strain 90 under Inorganic Phosphorus Stress. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 5212-22	4.8	28
295	Plants Actively Avoid State Transitions upon Changes in Light Intensity: Role of Light-Harvesting Complex II Protein Dephosphorylation in High Light. <i>Plant Physiology</i> , 2015 , 168, 721-34	6.6	62
294	Light-harvesting II antenna trimers connect energetically the entire photosynthetic machinery - including both photosystems II and I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 607-19	4.6	80
293	Photosynthetic light reactions: integral to chloroplast retrograde signalling. <i>Current Opinion in Plant Biology</i> , 2015 , 27, 180-91	9.9	62
292	Photoprotection of photosystems in fluctuating light intensities. <i>Journal of Experimental Botany</i> , 2015 , 66, 2427-36	7	124
291	SASP, a Senescence-Associated Subtilisin Protease, is involved in reproductive development and determination of silique number in Arabidopsis. <i>Journal of Experimental Botany</i> , 2015 , 66, 161-74	7	20
290	Cyanobacterial Light-Harvesting Phycobilisomes Uncouple From Photosystem I During Dark-To-Light Transitions. <i>Scientific Reports</i> , 2015 , 5, 14193	4.9	39
289	Electron flow from PSII to PSI under high light is controlled by PGR5 but not by PSBS. <i>Frontiers in Plant Science</i> , 2015 , 6, 521	6.2	81
288	Chlamydomonas Flavodiiron Proteins Facilitate Acclimation to Anoxia During Sulfur Deprivation. <i>Plant and Cell Physiology</i> , 2015 , 56, 1598-607	4.9	29
287	Screening native isolates of cyanobacteria and a green alga for integrated wastewater treatment, biomass accumulation and neutral lipid production. <i>Algal Research</i> , 2015 , 11, 411-420	5	35
286	Cyanobacterial Oxygenic Photosynthesis is Protected by Flavodiiron Proteins. <i>Life</i> , 2015 , 5, 716-43	3	102
285	Light acclimation involves dynamic re-organization of the pigment-protein mega-complexes in non-appressed thylakoid domains. <i>Plant Journal</i> , 2015 , 84, 360-73	6.9	52
284	Cyanobacterial flv4-2 Operon-Encoded Proteins Optimize Light Harvesting and Charge Separation in Photosystem II. <i>Molecular Plant</i> , 2015 , 8, 747-61	14.4	13
283	Damage Management in Water-Oxidizing Catalysts: From Photosystem II to Nanosized Metal Oxides. <i>ACS Catalysis</i> , 2015 , 5, 1499-1512	13.1	51
282	Proteomic approaches in research of cyanobacterial photosynthesis. <i>Photosynthesis Research</i> , 2015 , 126, 47-70	3.7	10
281	Draft genome sequence of calothrix strain 336/3, a novel h ₂ -producing cyanobacterium isolated from a Finnish lake. <i>Genome Announcements</i> , 2015 , 3,		6

280	Photosynthetic light reactions--an adjustable hub in basic production and plant immunity signaling. <i>Plant Physiology and Biochemistry</i> , 2014 , 81, 128-34	5.4	40
279	Inhibitory effects of polycyclic aromatic hydrocarbons (PAHs) on photosynthetic performance are not related to their aromaticity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 137, 151-5	6.7	36
278	Photosystem II photoinhibition-repair cycle protects Photosystem I from irreversible damage. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 210-5	4.6	217
277	Dark-adapted spinach thylakoid protein heterogeneity offers insights into the photosystem II repair cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1463-71	4.6	21
276	The light-harvesting chlorophyll a/b binding proteins Lhcb1 and Lhcb2 play complementary roles during state transitions in Arabidopsis. <i>Plant Cell</i> , 2014 , 26, 3646-60	11.6	157
275	Hydrogen photoproduction by immobilized n ₂ -fixing cyanobacteria: understanding the role of the uptake hydrogenase in the long-term process. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5807-14	4.8	19
274	Multiple different defense mechanisms are activated in the young transgenic tobacco plants which express the full length genome of the Tobacco mosaic virus, and are resistant against this virus. <i>PLoS ONE</i> , 2014 , 9, e107778	3.7	6
273	Flavodiiron protein Flv2/Flv4-related photoprotective mechanism dissipates excitation pressure of PSII in cooperation with phycobilisomes in Cyanobacteria. <i>Plant Physiology</i> , 2014 , 164, 805-18	6.6	70
272	Heterocyst-specific flavodiiron protein Flv3B enables oxic diazotrophic growth of the filamentous cyanobacterium Anabaena sp. PCC 7120. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11205-10	11.5	43
271	Light-dependent reversible phosphorylation of the minor photosystem II antenna Lhcb6 (CP24) occurs in lycophytes. <i>Plant Journal</i> , 2014 , 77, 893-905	6.9	22
270	Secondary metabolite from Nostoc XPORK14A inhibits photosynthesis and growth of Synechocystis PCC 6803. <i>Plant, Cell and Environment</i> , 2014 , 37, 1371-81	8.4	9
269	Integrative regulatory network of plant thylakoid energy transduction. <i>Trends in Plant Science</i> , 2014 , 19, 10-7	13.1	156
268	Low pH-induced regulation of excitation energy between the two photosystems. <i>FEBS Letters</i> , 2014 , 588, 970-4	3.8	19
267	Characterization of ten H ₂ producing cyanobacteria isolated from the Baltic Sea and Finnish lakes. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 8983-8991	6.7	15
266	The bacterial-type [4Fe-4S] ferredoxin 7 has a regulatory function under photooxidative stress conditions in the cyanobacterium Synechocystis sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1293-304	4.6	11
265	How should we tackle the global risks to plant health?. <i>Trends in Plant Science</i> , 2014 , 19, 206-8	13.1	10
264	Light-harvesting mutants show differential gene expression upon shift to high light as a consequence of photosynthetic redox and reactive oxygen species metabolism. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130229	5.8	30
263	Nodularia spumigena extract induces upregulation of mitochondrial respiratory chain complexes in spinach (<i>Spinacia oleracea</i> L.). <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 969-974	2.6	5

262	Very rapid phosphorylation kinetics suggest a unique role for Lhcb2 during state transitions in Arabidopsis. <i>Plant Journal</i> , 2013 , 76, 236-46	6.9	50
261	D1? New Member of D1 Protein Family in Cyanobacteria. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 358-360	0.2	1
260	Low photosynthetic activity is linked to changes in the organization of photosystem II in the fruit of <i>Arum italicum</i> . <i>Plant Physiology and Biochemistry</i> , 2013 , 63, 140-50	5.4	9
259	Novel heterocyst-specific flavodiiron proteins in <i>Anabaena</i> sp. PCC 7120. <i>FEBS Letters</i> , 2013 , 587, 82-7	3.8	36
258	Phylogenetic viewpoints on regulation of light harvesting and electron transport in eukaryotic photosynthetic organisms. <i>Planta</i> , 2013 , 237, 399-412	4.7	25
257	Towards a critical understanding of the photosystem II repair mechanism and its regulation during stress conditions. <i>FEBS Letters</i> , 2013 , 587, 3372-81	3.8	104
256	Flavodiiron proteins Flv1 and Flv3 enable cyanobacterial growth and photosynthesis under fluctuating light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4111-6	11.5	217
255	Arabidopsis plants lacking PsbQ and PsbR subunits of the oxygen-evolving complex show altered PSII super-complex organization and short-term adaptive mechanisms. <i>Plant Journal</i> , 2013 , 75, 671-84	6.9	75
254	Structural model, physiology and regulation of Slr0006 in <i>Synechocystis</i> PCC 6803. <i>Archives of Microbiology</i> , 2013 , 195, 727-36	3	4
253	PGR5 ensures photosynthetic control to safeguard photosystem I under fluctuating light conditions. <i>Plant Signaling and Behavior</i> , 2013 , 8, e22741	2.5	26
252	Understanding the roles of the thylakoid lumen in photosynthesis regulation. <i>Frontiers in Plant Science</i> , 2013 , 4, 434	6.2	54
251	Strategies for psbA gene expression in cyanobacteria, green algae and higher plants: from transcription to PSII repair. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 247-57	4.6	148
250	Thylakoid protein phosphorylation in dynamic regulation of photosystem II in higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 232-8	4.6	150
249	Depletion of leaf-type ferredoxin-NADP(+) oxidoreductase results in the permanent induction of photoprotective mechanisms in Arabidopsis chloroplasts. <i>Plant Journal</i> , 2012 , 70, 809-17	6.9	27
248	Regulation of the photosynthetic apparatus under fluctuating growth light. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 3486-93	5.8	111
247	Physiological tolerance and stoichiometric potential of cyanobacteria for hydrocarbon fuel production. <i>Journal of Biotechnology</i> , 2012 , 162, 67-74	3.7	45
246	Photosynthetic Responses of Plants to Excess Light: Mechanisms and Conditions for Photoinhibition, Excess Energy Dissipation and Repair. <i>Advances in Photosynthesis and Respiration</i> , 2012 , 275-297	1.7	16
245	Photosynthesis, photorespiration, and light signalling in defence responses. <i>Journal of Experimental Botany</i> , 2012 , 63, 1619-36	7	267

244	Post-genomic insight into thylakoid membrane lateral heterogeneity and redox balance. <i>FEBS Letters</i> , 2012 , 586, 2911-6	3.8	22
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1	Growth under high light and elevated temperature affects metabolic responses and accumulation of health-promoting metabolites in kale varieties		1