Krishna K Niyogi

List of Publications by Year in Descending Order

136 papers	20,937 citations	65 h-index	144 g-index
149 ext. papers	23,711 ext. citations	9.7 avg, IF	7.02 L-index

#	Paper	IF	Citations
136	Chromatin Changes in Phytochrome Interacting Factor-Regulated Genes Parallel Their Rapid Transcriptional Response to Light.. *Frontiers in Plant Science*, **2022**, 13, 803441	6.2	0
135	Systematic characterization of gene function in the photosynthetic alga Chlamydomonas reinhardtii.. *Nature Genetics*, **2022**,	36.3	2
134	Widespread polycistronic gene expression in green algae. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	9
133	Natural ultraviolet radiation exposure alters photosynthetic biology and improves recovery from desiccation in a desert moss. *Journal of Experimental Botany*, **2021**, 72, 4161-4179	7	4
132	Quantitative imaging of RNA polymerase II activity in plants reveals the single-cell basis of tissue-wide transcriptional dynamics. *Nature Plants*, **2021**, 7, 1037-1049	11.5	10
131	Discovery of photosynthesis genes through whole-genome sequencing of acetate-requiring mutants of Chlamydomonas reinhardtii. *PLoS Genetics*, **2021**, 17, e1009725	6	4
130	High light and temperature reduce photosynthetic efficiency through different mechanisms in the C model Setaria viridis. *Communications Biology*, **2021**, 4, 1092	6.7	3
129	Role of an ancient light-harvesting protein of PSI in light absorption and photoprotection. *Nature Communications*, **2021**, 12, 679	17.4	5
128	Chloroplast Sec14-like 1 (CPSFL1) is essential for normal chloroplast development and affects carotenoid accumulation in. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12452-12463	11.5	8
127	An algal enzyme required for biosynthesis of the most abundant marine carotenoids. *Science Advances*, **2020**, 6, eaaw9183	14.3	18
126	Vibronic mixing enables ultrafast energy flow in light-harvesting complex II. *Nature Communications* , **2020**, 11, 1460	17.4	38
125	A Sec14 domain protein is required for photoautotrophic growth and chloroplast vesicle formation in. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9101-9111	11.5	15
124	Atomic Force Microscopy Visualizes Mobility of Photosynthetic Proteins in Grana Thylakoid Membranes. *Biophysical Journal*, **2020**, 118, 1876-1886	2.9	3
123	An atypical short-chain dehydrogenase-reductase functions in the relaxation of photoprotective qH in Arabidopsis. *Nature Plants*, **2020**, 6, 154-166	11.5	14
122	Complex Roles of PsbS and Xanthophylls in the Regulation of Nonphotochemical Quenching in under Fluctuating Light. *Journal of Physical Chemistry B*, **2020**, 124, 10311-10325	3.4	7
121	The role of mixed vibronic Q-Q states in green light absorption of light-harvesting complex II. *Nature Communications*, **2020**, 11, 6011	17.4	13
120	Hexokinase is necessary for glucose-mediated photosynthesis repression and lipid accumulation in a green alga. *Communications Biology*, **2019**, 2, 347	6.7	16

119	Regulation of Oxygenic Photosynthesis during Trophic Transitions in the Green Alga. *Plant Cell*, **2019**, 31, 579-601	11.6	35
118	Chlorophyll-carotenoid excitation energy transfer and charge transfer in for the regulation of photosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3385-3390	11.5	54
117	A thylakoid membrane-bound and redox-active rubredoxin (RBD1) functions in de novo assembly and repair of photosystem II. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16631-16640	11.5	17
116	Transcriptomic analysis of field-droughted sorghum from seedling to maturity reveals biotic and metabolic responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**,	11.5	68
115	Regulation of photoprotection gene expression in by a putative E3 ubiquitin ligase complex and a homolog of CONSTANS. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 17556-17562	11.5	18
114	Photosystem II Subunit S overexpression increases the efficiency of water use in a field-grown crop. *Nature Communications*, **2018**, 9, 868	17.4	119
113	GreenCut protein CPLD49 of Chlamydomonas reinhardtii associates with thylakoid membranes and is required for cytochrome b f complex accumulation. *Plant Journal*, **2018**, 94, 1023-1037	6.9	4
112	Subdiffraction-resolution live-cell imaging for visualizing thylakoid membranes. *Plant Journal*, **2018**, 96, 233-243	6.9	20
111	The Plastid Lipocalin LCNP Is Required for Sustained Photoprotective Energy Dissipation in Arabidopsis. *Plant Cell*, **2018**, 30, 196-208	11.6	56
110	A unique supramolecular organization of photosystem I in the moss Physcomitrella patens. *Nature Plants*, **2018**, 4, 904-909	11.5	27
109	Chlorophyll-Carotenoid Excitation Energy Transfer in High-Light-Exposed Thylakoid Membranes Investigated by Snapshot Transient Absorption Spectroscopy. *Journal of the American Chemical Society*, **2018**, 140, 11965-11973	16.4	29
108	Photosynthetic antenna engineering to improve crop yields. *Planta*, **2017**, 245, 1009-1020	4.7	61
107	Two mechanisms for dissipation of excess light in monomeric and trimeric light-harvesting complexes. *Nature Plants*, **2017**, 3, 17033	11.5	95
106	The carbonic anhydrase CAH1 is an essential component of the carbon-concentrating mechanism in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4537-4542	11.5	62
105	Chromosome-level genome assembly and transcriptome of the green alga illuminates astaxanthin production. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E4296-E4305	11.5	95
104	Snapshot Transient Absorption Spectroscopy of Carotenoid Radical Cations in High-Light-Acclimating Thylakoid Membranes. *Journal of Physical Chemistry Letters*, **2017**, 8, 5548-5554	6.4	20
103	Enhanced FIB-SEM systems for large-volume 3D imaging. *ELife*, **2017**, 6,	8.9	167
102	Engineering the lutein epoxide cycle into. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7002-E7008	11.5	20

101	Dissecting and modeling zeaxanthin- and lutein-dependent nonphotochemical quenching in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7009-E7017	11.5	25
100	Author response: Enhanced FIB-SEM systems for large-volume 3D imaging **2017**,		4
99	Transient expression in Nicotiana benthamiana for rapid functional analysis of genes involved in non-photochemical quenching and carotenoid biosynthesis. *Plant Journal*, **2016**, 88, 375-386	6.9	24
98	Improving photosynthesis and crop productivity by accelerating recovery from photoprotection. *Science*, **2016**, 354, 857-861	33.3	628
97	Evolution of an atypical de-epoxidase for photoprotection in the green lineage. *Nature Plants*, **2016** , 2, 16140	11.5	36
96	Regulation and Levels of the Thylakoid K+/H+ Antiporter KEA3 Shape the Dynamic Response of Photosynthesis in Fluctuating Light. *Plant and Cell Physiology*, **2016**, 57, 1557-1567	4.9	45
95	Mg chelatase in chlorophyll synthesis and retrograde signaling in Chlamydomonas reinhardtii: CHLI2 cannot substitute for CHLI1. *Journal of Experimental Botany*, **2016**, 67, 3925-38	7	19
94	Identification of pH-sensing Sites in the Light Harvesting Complex Stress-related 3 Protein Essential for Triggering Non-photochemical Quenching in Chlamydomonas reinhardtii. *Journal of Biological Chemistry*, **2016**, 291, 7334-46	5.4	71
93	Deletion of the gene family of small chlorophyll-binding proteins (ScpABCDE) offsets C/N homeostasis in Synechocystis PCC 6803. *Biochimica Et Biophysica Acta - Bioenergetics*, **2016**, 1857, 396-407	4.6	6
92	An evaluation of new and established methods to determine T-DNA copy number and homozygosity in transgenic plants. *Plant, Cell and Environment*, **2016**, 39, 908-17	8.4	51
91	Photosystem II Subunit PsbS Is Involved in the Induction of LHCSR Protein-dependent Energy Dissipation in Chlamydomonas reinhardtii. *Journal of Biological Chemistry*, **2016**, 291, 17478-87	5.4	71
90	UV-B photoreceptor-mediated protection of the photosynthetic machinery in Chlamydomonas reinhardtii. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14864-14869	11.5	83
89	Large-scale insertional mutagenesis of Chlamydomonas supports phylogenomic functional prediction of photosynthetic genes and analysis of classical acetate-requiring mutants. *Plant Journal*, **2015**, 82, 337-51	6.9	50
88	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8529-36	11.5	515
87	Functional Implications of Photosystem II Crystal Formation in Photosynthetic Membranes. *Journal of Biological Chemistry*, **2015**, 290, 14091-106	5.4	36
86	Lineage-specific chromatin signatures reveal a regulator of lipid metabolism in microalgae. *Nature Plants*, **2015**, 1, 15107	11.5	60
85	Light stress and photoprotection in Chlamydomonas reinhardtii. *Plant Journal*, **2015**, 82, 449-465	6.9	187
84	Proton gradient regulation 5-mediated cyclic electron flow under ATP- or redox-limited conditions: a study of ΔATpase pgr5 and ΔpetL pgr5 mutants in the green alga Chlamydomonas reinhardtii. *Plant Physiology*, **2014**, 165, 438-52	6.6	96

83	Dynamic mechanical responses of Arabidopsis thylakoid membranes during PSII-specific illumination. *Biophysical Journal*, **2014**, 106, 1864-70	2.9	8
82	Atomic force microscopy of photosystem II and its unit cell clustering quantitatively delineate the mesoscale variability in Arabidopsis thylakoids. *PLoS ONE*, **2014**, 9, e101470	3.7	18
81	Distinct roles of the photosystem II protein PsbS and zeaxanthin in the regulation of light harvesting in plants revealed by fluorescence lifetime snapshots. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17498-503	11.5	39
80	The GUN4 protein plays a regulatory role in tetrapyrrole biosynthesis and chloroplast-to-nucleus signalling in Chlamydomonas reinhardtii. *Plant Journal*, **2014**, 79, 285-98	6.9	30
79	Introduction of a synthetic CO□fixing photorespiratory bypass into a cyanobacterium. *Journal of Biological Chemistry*, **2014**, 289, 9493-500	5.4	77
78	Phosphoprotein SAK1 is a regulator of acclimation to singlet oxygen in Chlamydomonas reinhardtii. *ELife*, **2014**, 3, e02286	8.9	32
77	A dual strategy to cope with high light in Chlamydomonas reinhardtii. *Plant Cell*, **2013**, 25, 545-57	11.6	147
76	Evolution of flexible non-photochemical quenching mechanisms that regulate light harvesting in oxygenic photosynthesis. *Current Opinion in Plant Biology*, **2013**, 16, 307-14	9.9	317
75	A thioredoxin-like/□propeller protein maintains the efficiency of light harvesting in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2733-40	11.5	52
74	Photosynthesis of root chloroplasts developed in Arabidopsis lines overexpressing GOLDEN2-LIKE transcription factors. *Plant and Cell Physiology*, **2013**, 54, 1365-77	4.9	54
73	Novel thylakoid membrane GreenCut protein CPLD38 impacts accumulation of the cytochrome b6f complex and associated regulatory processes. *Journal of Biological Chemistry*, **2013**, 288, 7024-36	5.4	20
72	A conserved rubredoxin is necessary for photosystem II accumulation in diverse oxygenic photoautotrophs. *Journal of Biological Chemistry*, **2013**, 288, 26688-96	5.4	41
71	Retrograde bilin signaling enables Chlamydomonas greening and phototrophic survival. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3621-6	11.5	81
70	Overlapping photoprotective function of vitamin E and carotenoids in Chlamydomonas. *Plant Physiology*, **2012**, 158, 313-23	6.6	43
69	The Arabidopsis szl1 mutant reveals a critical role of □carotene in photosystem I photoprotection. *Plant Physiology*, **2012**, 159, 1745-58	6.6	94
68	A kinetic model of rapidly reversible nonphotochemical quenching. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15757-62	11.5	94
67	Intragenic enhancers and suppressors of phytoene desaturase mutations in Chlamydomonas reinhardtii. *PLoS ONE*, **2012**, 7, e42196	3.7	24
66	Fluorescence lifetime snapshots reveal two rapidly reversible mechanisms of photoprotection in live cells of Chlamydomonas reinhardtii. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8405-10	11.5	34

65	Genome, functional gene annotation, and nuclear transformation of the heterokont oleaginous alga Nannochloropsis oceanica CCMP1779. *PLoS Genetics*, **2012**, 8, e1003064	6	306
64	SINGLET OXYGEN RESISTANT 1 links reactive electrophile signaling to singlet oxygen acclimation in Chlamydomonas reinhardtii. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1302-11	11.5	81
63	High-efficiency homologous recombination in the oil-producing alga Nannochloropsis sp. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 21265-9	11.5	350
62	Manipulation of photoprotection to improve plant photosynthesis. *Plant Physiology*, **2011**, 155, 86-92	6.6	295
61	Analysis of LhcSR3, a protein essential for feedback de-excitation in the green alga Chlamydomonas reinhardtii. *PLoS Biology*, **2011**, 9, e1000577	9.7	204
60	Use of a pulse-amplitude modulated chlorophyll fluorometer to study the efficiency of photosynthesis in Arabidopsis plants. *Methods in Molecular Biology*, **2011**, 775, 299-310	1.4	30
59	Chlorophyll-deficient mutants of Chlamydomonas reinhardtii that accumulate magnesium protoporphyrin IX. *Plant Molecular Biology*, **2010**, 72, 643-58	4.6	23
58	Phylogenomic analysis of the Chlamydomonas genome unmasks proteins potentially involved in photosynthetic function and regulation. *Photosynthesis Research*, **2010**, 106, 3-17	3.7	43
57	Trophic status of Chlamydomonas reinhardtii influences the impact of iron deficiency on photosynthesis. *Photosynthesis Research*, **2010**, 105, 39-49	3.7	64
56	Lutein can act as a switchable charge transfer quencher in the CP26 light-harvesting complex. *Journal of Biological Chemistry*, **2009**, 284, 2830-2835	5.4	65
55	Evidence for base excision repair of oxidative DNA damage in chloroplasts of Arabidopsis thaliana. *Journal of Biological Chemistry*, **2009**, 284, 17006-17012	5.4	41
54	Quantitative genetic analysis of thermal dissipation in Arabidopsis. *Plant Physiology*, **2009**, 150, 977-86	6.6	47
53	The multiple roles of light-harvesting chlorophyll a/b-protein complexes define structure and optimize function of Arabidopsis chloroplasts: a study using two chlorophyll b-less mutants. *Biochimica Et Biophysica Acta - Bioenergetics*, **2009**, 1787, 973-84	4.6	101
52	An ancient light-harvesting protein is critical for the regulation of algal photosynthesis. *Nature*, **2009**, 462, 518-21	50.4	499
51	Sensing and responding to excess light. *Annual Review of Plant Biology*, **2009**, 60, 239-60	30.7	712
50	Copper delivery by the copper chaperone for chloroplast and cytosolic copper/zinc-superoxide dismutases: regulation and unexpected phenotypes in an Arabidopsis mutant. *Molecular Plant*, **2009**, 2, 1336-50	14.4	61
49	Lutein accumulation in the absence of zeaxanthin restores nonphotochemical quenching in the Arabidopsis thaliana npq1 mutant. *Plant Cell*, **2009**, 21, 1798-812	11.6	156
48	Architecture of a charge-transfer state regulating light harvesting in a plant antenna protein. *Science*, **2008**, 320, 794-7	33.3	449

47	Zeaxanthin radical cation formation in minor light-harvesting complexes of higher plant antenna. *Journal of Biological Chemistry*, **2008**, 283, 3550-3558	5.4	184
46	Acclimation to singlet oxygen stress in Chlamydomonas reinhardtii. *Eukaryotic Cell*, **2007**, 6, 919-30		138
45	Photoprotection mutants of Arabidopsis thaliana acclimate to high light by increasing photosynthesis and specific antioxidants. *Plant, Cell and Environment*, **2006**, 29, 879-87	8.4	75
44	Carotenoid cation formation and the regulation of photosynthetic light harvesting. *Science*, **2005**, 307, 433-6	33.3	644
43	Is PsbS the site of non-photochemical quenching in photosynthesis?. *Journal of Experimental Botany* , **2005**, 56, 375-82	7	263
42	Singlet oxygen and photo-oxidative stress management in plants and algae. *Plant, Cell and Environment*, **2005**, 28, 1037-1045	8.4	218
41	Functional genomics of eukaryotic photosynthesis using insertional mutagenesis of Chlamydomonas reinhardtii. *Plant Physiology*, **2005**, 137, 545-56	6.6	162
40	Two P-type ATPases are required for copper delivery in Arabidopsis thaliana chloroplasts. *Plant Cell* , **2005**, 17, 1233-51	11.6	273
39	Chlamydomonas and Arabidopsis. A dynamic duo. *Plant Physiology*, **2004**, 135, 607-10	6.6	57
38	White mutants of Chlamydomonas reinhardtii are defective in phytoene synthase. *Genetics*, **2004**, 168, 1249-57	4	70
37	Photo-oxidative stress in a xanthophyll-deficient mutant of Chlamydomonas. *Journal of Biological Chemistry*, **2004**, 279, 6337-44	5.4	94
36	Ascorbate-deficient mutants of Arabidopsis grow in high light despite chronic photooxidative stress. *Plant Physiology*, **2004**, 134, 1163-72	6.6	164
35	Regulation of photosynthetic light harvesting involves intrathylakoid lumen pH sensing by the PsbS protein. *Journal of Biological Chemistry*, **2004**, 279, 22866-74	5.4	427
34	Genomic analysis of mutants affecting xanthophyll biosynthesis and regulation of photosynthetic light harvesting in Chlamydomonas reinhardtii. *Photosynthesis Research*, **2004**, 82, 265-76	3.7	36
33	Evidence for direct carotenoid involvement in the regulation of photosynthetic light harvesting. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 4377-82	11.5	183
32	PAA1, a P-type ATPase of Arabidopsis, functions in copper transport in chloroplasts. *Plant Cell*, **2003**, 15, 1333-46	11.6	262
31	Zeaxanthin accumulation in the absence of a functional xanthophyll cycle protects Chlamydomonas reinhardtii from photooxidative stress. *Plant Cell*, **2003**, 15, 992-1008	11.6	200
30	Zeaxanthin deficiency enhances the high light sensitivity of an ascorbate-deficient mutant of Arabidopsis. *Plant Physiology*, **2003**, 133, 748-60	6.6	140

29	PsbS-dependent enhancement of feedback de-excitation protects photosystem II from photoinhibition. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 15222-7	11.5	377
28	Molecular and global time-resolved analysis of a psbS gene dosage effect on pH- and xanthophyll cycle-dependent nonphotochemical quenching in photosystem II. *Journal of Biological Chemistry*, **2002**, 277, 33590-7	5.4	80
27	Rhesus expression in a green alga is regulated by CO(2). *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 7769-73	11.5	117
26	Structure-function analysis of photosystem II subunit S (PsbS) in vivo. *Functional Plant Biology*, **2002**, 29, 1131-1139	2.7	122
25	A major light-harvesting polypeptide of photosystem II functions in thermal dissipation. *Plant Cell*, **2002**, 14, 1801-16	11.6	171
24	Ascorbate deficiency can limit violaxanthin de-epoxidase activity in vivo. *Plant Physiology*, **2002**, 128, 970-7	6.6	188
23	Photoprotection in a zeaxanthin- and lutein-deficient double mutant of Arabidopsis. *Photosynthesis Research*, **2001**, 67, 139-45	3.7	171
22	Absence of lutein, violaxanthin and neoxanthin affects the functional chlorophyll antenna size of photosystem-II but not that of photosystem-I in the green alga Chlamydomonas reinhardtii. *Plant and Cell Physiology*, **2001**, 42, 482-91	4.9	74
21	Non-photochemical quenching. A response to excess light energy. *Plant Physiology*, **2001**, 125, 1558-66	6.6	1943
20	Functional genomics of plant photosynthesis in the fast lane using Chlamydomonas reinhardtii. *Trends in Plant Science*, **2001**, 6, 364-71	13.1	65
19	A pigment-binding protein essential for regulation of photosynthetic light harvesting. *Nature*, **2000**, 403, 391-5	50.4	1202
18	Safety valves for photosynthesis. *Current Opinion in Plant Biology*, **2000**, 3, 455-60	9.9	505
17	Photodamage of the photosynthetic apparatus and its dependence on the leaf developmental stage in the npq1 Arabidopsis mutant deficient in the xanthophyll cycle enzyme violaxanthin de-epoxidase. *Plant Physiology*, **2000**, 124, 273-84	6.6	201
16	Molecular genetics of xanthophyll-dependent photoprotection in green algae and plants. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2000**, 355, 1385-94	5.8	123
15	The violaxanthin cycle protects plants from photooxidative damage by more than one mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 8762-7	11.5	547
14	The Molecular Biology of Chloroplasts and Mi-tochondria in Chlamydomonas. Edited by J.-D. Rochaix, M. Goldschmidt-Clermont and S. Merchant. Advances in Photosynthesis, Vol. 7, 1998. *Photosynthesis Research*, **1999**, 61, 97-98	3.7	
13	PHOTOPROTECTION REVISITED: Genetic and Molecular Approaches. *Annual Review of Plant Biology*, **1999**, 50, 333-359		1494
12	Altered xanthophyll compositions adversely affect chlorophyll accumulation and nonphotochemical quenching in Arabidopsis mutants. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 13324-9	11.5	275

11	Arabidopsis mutants define a central role for the xanthophyll cycle in the regulation of photosynthetic energy conversion. *Plant Cell*, **1998**, 10, 1121-34	11.6	775
10	Arabidopsis Mutants Define a Central Role for the Xanthophyll Cycle in the Regulation of Photosynthetic Energy Conversion. *Plant Cell*, **1998**, 10, 1121	11.6	19
9	Chlamydomonas Xanthophyll Cycle Mutants Identified by Video Imaging of Chlorophyll Fluorescence Quenching. *Plant Cell*, **1997**, 9, 1369-1380	11.6	238
8	Chlamydomonas Xanthophyll Cycle Mutants Identified by Video Imaging of Chlorophyll Fluorescence Quenching. *Plant Cell*, **1997**, 9, 1369	11.6	92
7	The roles of specific xanthophylls in photoprotection. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 14162-7	11.5	456
6	Dna insertional mutagenesis for the elucidation of a Photosystem II repair process in the green alga Chlamydomonas reinhardtii. *Photosynthesis Research*, **1997**, 53, 173-184	3.7	8
5	Suppressors of trp1 Fluorescence Identify a New Arabidopsis Gene, TRP4, Encoding the Anthranilate Synthase b Subunit. *Plant Cell*, **1993**, 5, 1011	11.6	44
4	Two anthranilate synthase genes in Arabidopsis: defense-related regulation of the tryptophan pathway. *Plant Cell*, **1992**, 4, 721-33	11.6	170
3	Quantitative imaging of RNA polymerase II activity in plants reveals the single-cell basis of tissue-wide transcriptional dynamics		1
2	Systematic characterization of gene function in a photosynthetic organism		2
1	Chlamydomonas as a model for reactive oxygen species signaling and thiol redox regulation in the green lineage. *Plant Physiology*,	6.6	2