

# Giulia Friso

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6002518/giulia-friso-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

54  
papers

4,656  
citations

33  
h-index

54  
g-index

54  
ext. papers

5,178  
ext. citations

7.4  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
54	Sorting signals, N-terminal modifications and abundance of the chloroplast proteome. <i>PLoS ONE</i> , <b>2008</b> , 3, e1994	3.7	504
53	Central functions of the luminal and peripheral thylakoid proteome of Arabidopsis determined by experimentation and genome-wide prediction. <i>Plant Cell</i> , <b>2002</b> , 14, 211-36	11.6	400
52	In-depth analysis of the thylakoid membrane proteome of Arabidopsis thaliana chloroplasts: new proteins, new functions, and a plastid proteome database. <i>Plant Cell</i> , <b>2004</b> , 16, 478-99	11.6	367
51	Proteomics of the chloroplast: systematic identification and targeting analysis of luminal and peripheral thylakoid proteins. <i>Plant Cell</i> , <b>2000</b> , 12, 319-41	11.6	335
50	Clp protease complexes from photosynthetic and non-photosynthetic plastids and mitochondria of plants, their predicted three-dimensional structures, and functional implications. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 4768-81	5.4	177
49	Nucleoid-enriched proteomes in developing plastids and chloroplasts from maize leaves: a new conceptual framework for nucleoid functions. <i>Plant Physiology</i> , <b>2012</b> , 158, 156-89	6.6	176
48	Structural and metabolic transitions of C4 leaf development and differentiation defined by microscopy and quantitative proteomics in maize. <i>Plant Cell</i> , <b>2010</b> , 22, 3509-42	11.6	173
47	Reconstruction of metabolic pathways, protein expression, and homeostasis machineries across maize bundle sheath and mesophyll chloroplasts: large-scale quantitative proteomics using the first maize genome assembly. <i>Plant Physiology</i> , <b>2010</b> , 152, 1219-50	6.6	164
46	RIP1, a member of an Arabidopsis protein family, interacts with the protein RARE1 and broadly affects RNA editing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E1453-61	11.5	158
45	A member of the Whirly family is a multifunctional RNA- and DNA-binding protein that is essential for chloroplast biogenesis. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 5152-65	20.1	126
44	Meta-Analysis of Arabidopsis thaliana Phospho-Proteomics Data Reveals Compartmentalization of Phosphorylation Motifs. <i>Plant Cell</i> , <b>2014</b> , 26, 2367-2389	11.6	117
43	Large scale comparative proteomics of a chloroplast Clp protease mutant reveals folding stress, altered protein homeostasis, and feedback regulation of metabolism. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 1789-1810	7.6	113
42	A scalable, GFP-based pipeline for membrane protein overexpression screening and purification. <i>Protein Science</i> , <b>2005</b> , 14, 2011-7	6.3	109
41	Posttranslational Protein Modifications in Plant Metabolism. <i>Plant Physiology</i> , <b>2015</b> , 169, 1469-87	6.6	105
40	Downregulation of ClpR2 leads to reduced accumulation of the ClpPRS protease complex and defects in chloroplast biogenesis in Arabidopsis. <i>Plant Cell</i> , <b>2006</b> , 18, 1704-21	11.6	100
39	A plant-specific RNA-binding domain revealed through analysis of chloroplast group II intron splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4537-42	11.5	98
38	Identification of multiple salicylic acid-binding proteins using two high throughput screens. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 777	6.2	93

37	A ribonuclease III domain protein functions in group II intron splicing in maize chloroplasts. <i>Plant Cell</i> , <b>2007</b> , 19, 2606-23	11.6	87
36	ClpS1 is a conserved substrate selector for the chloroplast Clp protease system in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 2276-301	11.6	84
35	A comprehensive analysis of the 14-3-3 interactome in barley leaves using a complementary proteomics and two-hybrid approach. <i>Plant Physiology</i> , <b>2007</b> , 143, 670-83	6.6	81
34	Construction of plastid reference proteomes for maize and Arabidopsis and evaluation of their orthologous relationships; the concept of orthoproteomics. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 491-504	5.6	74
33	A zinc finger motif-containing protein is essential for chloroplast RNA editing. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005028	6	70
32	Loss of plastoglobule kinases ABC1K1 and ABC1K3 causes conditional degreening, modified prenyl-lipids, and recruitment of the jasmonic acid pathway. <i>Plant Cell</i> , <b>2013</b> , 25, 1818-39	11.6	64
31	Degradation of the D1 protein of photosystem-II reaction centre by ultraviolet-B radiation requires the presence of functional manganese on the donor side. <i>FEBS Journal</i> , <b>1995</b> , 227, 723-9		62
30	The three-dimensional structure of a photosystem II core complex determined by electron crystallography. <i>Structure</i> , <b>1997</b> , 5, 837-49	5.2	58
29	Characterization of a 41 kDa photoinhibition adduct in isolated photosystem II reaction centres. <i>FEBS Letters</i> , <b>1992</b> , 309, 165-9	3.8	57
28	Quantitative proteomics of a chloroplast SRP54 sorting mutant and its genetic interactions with CLPC1 in Arabidopsis. <i>Plant Physiology</i> , <b>2008</b> , 148, 156-75	6.6	55
27	Discovery of a Unique Clp Component, ClpF, in Chloroplasts: A Proposed Binary ClpF-ClpS1 Adaptor Complex Functions in Substrate Recognition and Delivery. <i>Plant Cell</i> , <b>2015</b> , 27, 2677-91	11.6	52
26	The combined use of photoaffinity labeling and surface plasmon resonance-based technology identifies multiple salicylic acid-binding proteins. <i>Plant Journal</i> , <b>2012</b> , 72, 1027-38	6.9	48
25	Chlorophyll levels in the pigment-binding proteins of photosystem II. A study based on the chlorophyll to cytochrome ratio in different photosystem II preparations. <i>FEBS Letters</i> , <b>1991</b> , 286, 86-90	3.8	45
24	APO1 promotes the splicing of chloroplast group II introns and harbors a plant-specific zinc-dependent RNA binding domain. <i>Plant Cell</i> , <b>2011</b> , 23, 1082-92	11.6	39
23	Salicylic Acid Inhibits the Replication of Tomato bushy stunt virus by Directly Targeting a Host Component in the Replication Complex. <i>Molecular Plant-Microbe Interactions</i> , <b>2015</b> , 28, 379-86	3.6	35
22	MET1 is a thylakoid-associated TPR protein involved in photosystem II supercomplex formation and repair in Arabidopsis. <i>Plant Cell</i> , <b>2015</b> , 27, 262-85	11.6	34
21	Photoinduced degradation of the D1 protein in isolated thylakoids and various photosystem II particles after donor-side inactivations. Detection of a C-terminal 16 kDa fragment. <i>FEBS Letters</i> , <b>1992</b> , 304, 136-40	3.8	33
20	Constitutive expression of pea Lhcb 1-2 in tobacco affects plant development, morphology and photosynthetic capacity. <i>Plant Molecular Biology</i> , <b>2004</b> , 55, 701-14	4.6	30

19	The chloroplast ClpP complex in <i>Chlamydomonas reinhardtii</i> contains an unusual high molecular mass subunit with a large apical domain. <i>FEBS Journal</i> , <b>2005</b> , 272, 5558-71	5.7	30
18	Structures, Functions, and Interactions of ClpT1 and ClpT2 in the Clp Protease System of Arabidopsis Chloroplasts. <i>Plant Cell</i> , <b>2015</b> , 27, 1477-96	11.6	29
17	Light-induced degradation of D2 protein in isolated photosystem II reaction center complex. <i>FEBS Letters</i> , <b>1992</b> , 311, 33-6	3.8	29
16	Characterization of the light-induced cross-linking of the alpha-subunit of cytochrome b559 and the D1 protein in isolated photosystem II reaction centers. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 24032-7	5.4	27
15	The Plastoglobule-Localized Metallopeptidase PGM48 Is a Positive Regulator of Senescence in Arabidopsis thaliana. <i>Plant Cell</i> , <b>2016</b> , 28, 3020-3037	11.6	26
14	The workflow for quantitative proteome analysis of chloroplast development and differentiation, chloroplast mutants, and protein interactions by spectral counting. <i>Methods in Molecular Biology</i> , <b>2011</b> , 775, 265-82	1.4	26
13	Reduced turnover of the D1 polypeptide and photoactivation of electron transfer in novel herbicide resistant mutants of <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , <b>1997</b> , 248, 731-40		24
12	Extreme variation in rates of evolution in the plastid Clp protease complex. <i>Plant Journal</i> , <b>2019</b> , 98, 243-259	3.5	24
11	Effects of ultraviolet-B radiation on photosystem II of the cyanobacterium <i>Synechocystis</i> sp. PCC 6083. <i>FEBS Journal</i> , <b>1996</b> , 242, 799-806		21
10	Structural characterization of human hemoglobin crosslinked by bis(3,5-dibromosalicyl) fumarate using mass spectrometric techniques. <i>Protein Science</i> , <b>1997</b> , 6, 2568-77	6.3	20
9	Developmental and Subcellular Organization of Single-Cell <i>Clostridium</i> Photosynthesis in <i>Bienertia sinuspersici</i> Determined by Large-Scale Proteomics and cDNA Assembly from 454 DNA Sequencing. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2090-108	5.6	18
8	The purification of the <i>Chlamydomonas reinhardtii</i> chloroplast ClpP complex: additional subunits and structural features. <i>Plant Molecular Biology</i> , <b>2012</b> , 80, 189-202	4.6	15
7	Phosphorylation of plastoglobular proteins in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 3975-84	7	14
6	In Vivo Trapping of Proteins Interacting with the Chloroplast CLPC1 Chaperone: Potential Substrates and Adaptors. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2585-2600	5.6	8
5	Exploring the proteome associated with the mRNA encoding the D1 reaction center protein of Photosystem II in plant chloroplasts. <i>Plant Journal</i> , <b>2020</b> , 102, 369-382	6.9	8
4	Consequences of the loss of catalytic triads in chloroplast CLPPR protease core complexes in vivo. <i>Plant Direct</i> , <b>2018</b> , 2, e00086	3.3	6
3	Evidence for direct interaction between the chlorophyll-proteins CP29 and CP47 in photosystem II. <i>Biochemical and Biophysical Research Communications</i> , <b>1992</b> , 184, 1094-100	3.4	5
2	Autocatalytic Processing and Substrate Specificity of Arabidopsis Chloroplast Glutamyl Peptidase. <i>Plant Physiology</i> , <b>2020</b> , 184, 110-129	6.6	3

- 1 Proteomics, phylogenetics, and co-expression analyses indicate novel interactions in the plastid CLP chaperone-protease system.. *Journal of Biological Chemistry*, **2022**, 101609 5.4 ○