

Giulia Friso

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.

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	Proteomics, phylogenetics, and co-expression analyses indicate novel interactions in the plastid CLP chaperone-protease system.. <i>Journal of Biological Chemistry</i> , 2022 , 101609	5.4	0
53	Exploring the proteome associated with the mRNA encoding the D1 reaction center protein of Photosystem II in plant chloroplasts. <i>Plant Journal</i> , 2020 , 102, 369-382	6.9	8
52	Autocatalytic Processing and Substrate Specificity of Arabidopsis Chloroplast Glutamyl Peptidase. <i>Plant Physiology</i> , 2020 , 184, 110-129	6.6	3
51	In Vivo Trapping of Proteins Interacting with the Chloroplast CLPC1 Chaperone: Potential Substrates and Adaptors. <i>Journal of Proteome Research</i> , 2019 , 18, 2585-2600	5.6	8
50	Extreme variation in rates of evolution in the plastid Clp protease complex. <i>Plant Journal</i> , 2019 , 98, 243-259	5.9	24
49	Consequences of the loss of catalytic triads in chloroplast CLPPR protease core complexes in vivo. <i>Plant Direct</i> , 2018 , 2, e00086	3.3	6
48	The Plastoglobule-Localized Metallopeptidase PGM48 Is a Positive Regulator of Senescence in Arabidopsis thaliana. <i>Plant Cell</i> , 2016 , 28, 3020-3037	11.6	26
47	Phosphorylation of plastoglobular proteins in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2016 , 67, 3975-84	7	14
46	A zinc finger motif-containing protein is essential for chloroplast RNA editing. <i>PLoS Genetics</i> , 2015 , 11, e1005028	6	70
45	Structures, Functions, and Interactions of ClpT1 and ClpT2 in the Clp Protease System of Arabidopsis Chloroplasts. <i>Plant Cell</i> , 2015 , 27, 1477-96	11.6	29
44	Developmental and Subcellular Organization of Single-Cell C ₃ Photosynthesis in Bienertia sinuspersici Determined by Large-Scale Proteomics and cDNA Assembly from 454 DNA Sequencing. <i>Journal of Proteome Research</i> , 2015 , 14, 2090-108	5.6	18
43	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> , 2015 , 27, 2677-91	11.6	52
42	Posttranslational Protein Modifications in Plant Metabolism. <i>Plant Physiology</i> , 2015 , 169, 1469-87	6.6	105
41	MET1 is a thylakoid-associated TPR protein involved in photosystem II supercomplex formation and repair in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 262-85	11.6	34
40	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> , 2015 , 28, 379-86	3.6	35
39	Meta-Analysis of Arabidopsis thaliana Phospho-Proteomics Data Reveals Compartmentalization of Phosphorylation Motifs. <i>Plant Cell</i> , 2014 , 26, 2367-2389	11.6	117
38	Identification of multiple salicylic acid-binding proteins using two high throughput screens. <i>Frontiers in Plant Science</i> , 2014 , 5, 777	6.2	93

37	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> , 2013 , 12, 491-504	5.6	74
36	ClpS1 is a conserved substrate selector for the chloroplast Clp protease system in Arabidopsis. <i>Plant Cell</i> , 2013 , 25, 2276-301	11.6	84
35	Loss of plastoglobule kinases ABC1K1 and ABC1K3 causes conditional degreening, modified prenyl-lipids, and recruitment of the jasmonic acid pathway. <i>Plant Cell</i> , 2013 , 25, 1818-39	11.6	64
34	The purification of the Chlamydomonas reinhardtii chloroplast ClpP complex: additional subunits and structural features. <i>Plant Molecular Biology</i> , 2012 , 80, 189-202	4.6	15
33	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> , 2012 , 109, E1453-61	11.5	158
32	The combined use of photoaffinity labeling and surface plasmon resonance-based technology identifies multiple salicylic acid-binding proteins. <i>Plant Journal</i> , 2012 , 72, 1027-38	6.9	48
31	Nucleoid-enriched proteomes in developing plastids and chloroplasts from maize leaves: a new conceptual framework for nucleoid functions. <i>Plant Physiology</i> , 2012 , 158, 156-89	6.6	176
30	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> , 2011 , 775, 265-82	1.4	26
29	APO1 promotes the splicing of chloroplast group II introns and harbors a plant-specific zinc-dependent RNA binding domain. <i>Plant Cell</i> , 2011 , 23, 1082-92	11.6	39
28	Structural and metabolic transitions of C4 leaf development and differentiation defined by microscopy and quantitative proteomics in maize. <i>Plant Cell</i> , 2010 , 22, 3509-42	11.6	173
27	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> , 2010 , 152, 1219-50	6.6	164
26	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> , 2009 , 106, 4537-42	11.5	98
25	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> , 2009 , 8, 1789-1810	7.6	113
24	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> , 2008 , 36, 5152-65	20.1	126
23	Quantitative proteomics of a chloroplast SRP54 sorting mutant and its genetic interactions with CLPC1 in Arabidopsis. <i>Plant Physiology</i> , 2008 , 148, 156-75	6.6	55
22	Sorting signals, N-terminal modifications and abundance of the chloroplast proteome. <i>PLoS ONE</i> , 2008 , 3, e1994	3.7	504
21	A comprehensive analysis of the 14-3-3 interactome in barley leaves using a complementary proteomics and two-hybrid approach. <i>Plant Physiology</i> , 2007 , 143, 670-83	6.6	81
20	A ribonuclease III domain protein functions in group II intron splicing in maize chloroplasts. <i>Plant Cell</i> , 2007 , 19, 2606-23	11.6	87

19	Downregulation of ClpR2 leads to reduced accumulation of the ClpPRS protease complex and defects in chloroplast biogenesis in Arabidopsis. <i>Plant Cell</i> , 2006 , 18, 1704-21	11.6	100
18	A scalable, GFP-based pipeline for membrane protein overexpression screening and purification. <i>Protein Science</i> , 2005 , 14, 2011-7	6.3	109
17	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> , 2005 , 272, 5558-71	5.7	30
16	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> , 2004 , 279, 4768-81	5.4	177
15	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> , 2004 , 16, 478-99	11.6	367
14	Constitutive expression of pea Lhcb 1-2 in tobacco affects plant development, morphology and photosynthetic capacity. <i>Plant Molecular Biology</i> , 2004 , 55, 701-14	4.6	30
13	Central functions of the luminal and peripheral thylakoid proteome of Arabidopsis determined by experimentation and genome-wide prediction. <i>Plant Cell</i> , 2002 , 14, 211-36	11.6	400
12	Proteomics of the chloroplast: systematic identification and targeting analysis of luminal and peripheral thylakoid proteins. <i>Plant Cell</i> , 2000 , 12, 319-41	11.6	335
11	The three-dimensional structure of a photosystem II core complex determined by electron crystallography. <i>Structure</i> , 1997 , 5, 837-49	5.2	58
10	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> , 1997 , 248, 731-40		24
9	Structural characterization of human hemoglobin crosslinked by bis(3,5-dibromosalicyl) fumarate using mass spectrometric techniques. <i>Protein Science</i> , 1997 , 6, 2568-77	6.3	20
8	Effects of ultraviolet-B radiation on photosystem II of the cyanobacterium <i>Synechocystis</i> sp. PCC 6083. <i>FEBS Journal</i> , 1996 , 242, 799-806		21
7	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> , 1995 , 270, 24032-7	5.4	27
6	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> , 1995 , 227, 723-9		62
5	Evidence for direct interaction between the chlorophyll-proteins CP29 and CP47 in photosystem II. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 184, 1094-100	3.4	5
4	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> , 1992 , 304, 136-40	3.8	33
3	Characterization of a 41 kDa photoinhibition adduct in isolated photosystem II reaction centres. <i>FEBS Letters</i> , 1992 , 309, 165-9	3.8	57
2	Light-induced degradation of D2 protein in isolated photosystem II reaction center complex. <i>FEBS Letters</i> , 1992 , 311, 33-6	3.8	29

- 1 Chlorophyll levels in the pigment-binding proteins of photosystem II. A study based on the chlorophyll to cytochrome ratio in different photosystem II preparations. *FEBS Letters*, **1991**, 286, 86-90^{3.8} 45