Andrea Trotta

List of Publications by Year in descending order

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35 papers	880 citations	471509 17 h-index	501196 28 g-index
40 all docs	40 docs citations	40 times ranked	1242 citing authors

#	Article	IF	Citations
1	Regulatory Subunit Bâ€²Î³ of Protein Phosphatase 2A Prevents Unnecessary Defense Reactions under Low Light in Arabidopsis Â Â. Plant Physiology, 2011, 156, 1464-1480.	4.8	84
2	Signalling crosstalk in light stress and immune reactions in plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130235.	4.0	82
3	The protein phosphatase subunit PP 2Aâ€Bâ€²Î³ is required to suppress day lengthâ€dependent pathogenesis responses triggered by intracellular oxidative stress. New Phytologist, 2014, 202, 145-160.	7.3	66
4	Light acclimation involves dynamic reâ€organization of the pigmentâ€“protein megacomplexes in nonâ€appressed thylakoid domains. Plant Journal, 2015, 84, 360-373.	5.7	66
5	Regulation of cyclic electron flow by chloroplast <scp>NADPH</scp>â€dependent thioredoxin system. Plant Direct, 2018, 2, e00093.	1.9	61
6	Protein phosphatase 2A (<scp>PP</scp>2A) regulatory subunit Bâ€²Î³ interacts with cytoplasmic <scp>ACONITASE</scp> 3 and modulates the abundance of <scp>AOX</scp>1A and <scp>AOX</scp>1D in Arabidopsis thaliana. New Phytologist, 2015, 205, 1250-1263.	7.3	55
7	Interaction of methyl viologen-induced chloroplast and mitochondrial signalling in Arabidopsis. Free Radical Biology and Medicine, 2019, 134, 555-566.	2.9	51
8	GUN1 influences the accumulation of NEPâ€dependent transcripts and chloroplast protein import in Arabidopsis cotyledons upon perturbation of chloroplast protein homeostasis. Plant Journal, 2020, 101, 1198-1220.	5.7	44
9	Serine and threonine residues of plant <scp>STN</scp>7 kinase are differentially phosphorylated upon changing light conditionsÂandÂspecificallyÂinfluence the activity and stability of the kinase. Plant Journal, 2016, 87, 484-494.	5.7	41
10	The Role of Phosphorylation Dynamics of CURVATURE THYLAKOID 1B in Plant Thylakoid Membranes. Plant Physiology, 2019, 181, 1615-1631.	4.8	34
11	Transâ€methylation reactions in plants: focus on the activated methyl cycle. Physiologia Plantarum, 2018, 162, 162-176.	5.2	32
12	A LHCB9-dependent photosystem I megacomplex induced under low light in Physcomitrella patens. Nature Plants, 2018, 4, 910-919.	9.3	32
13	Specific thylakoid protein phosphorylations are prerequisites for overwintering of Norway spruce () Tj ETQq1 1 0.784314 rgBT /Overlock States of America, 2020, 117, 17499-17509.	7.1	32
14	Chloroplast ultrastructure and thylakoid polypeptide composition are affected by different salt concentrations in the halophytic plant Arthrocnemum macrostachyum. Journal of Plant Physiology, 2012, 169, 111-116.	3.5	28
15	Subunits Bâ€²Î³ and Bâ€²Î¶ of protein phosphatase 2A regulate photoâ€oxidative stress responses and growth in Arabidopsis thaliana. Plant, Cell and Environment, 2015, 38, 2641-2651.	5.7	27
16	<scp>PP</scp>2Aâ€Bâ€²Î³ modulates foliar transâ€methylation capacity and the formation of 4â€methoxyâ€indolâ€3â€ylâ€methyl glucosinolate in Arabidopsis leaves. Plant Journal, 2017, 89, 112-127.	5.7	23
17	The unique photosynthetic apparatus of Pinaceae: analysis of photosynthetic complexes in Picea abies. Journal of Experimental Botany, 2019, 70, 3211-3225.	4.8	21
18	Thylakoid Protein Phosphorylation Dynamics in a Moss Mutant Lacking SERINE/THREONINE PROTEIN KINASE STN8. Plant Physiology, 2019, 180, 1582-1597.	4.8	20

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19	ACONITASE 3 is part of theANAC017 transcription factor-dependent mitochondrial dysfunction response. Plant Physiology, 2021, 186, 1859-1877.	4.8	15
20	Knock-down of protein phosphatase 2A subunit Bâ€™Î³ promotes phosphorylation of CALRETICULIN 1 inArabidopsis thaliana. Plant Signaling and Behavior, 2011, 6, 1665-1668.	2.4	14
21	PSB33 sustains photosystem II D1 protein under fluctuating light conditions. Journal of Experimental Botany, 2017, 68, 4281-4293.	4.8	12
22	Evolutionary conservation and post-translational control of S-adenosyl-L-homocysteine hydrolase in land plants. PLoS ONE, 2020, 15, e0227466.	2.5	9
23	Systemic Signaling in Light Acclimation of Leaves. Signaling and Communication in Plants, 2013, , 231-250.	0.7	7
24	PSB33 protein sustains photosystem II in plant chloroplasts under UV-A light. Journal of Experimental Botany, 2020, 71, 7210-7223.	4.8	5
25	Characterization of the Free and Membrane-Associated Fractions of the Thylakoid Lumen Proteome in Arabidopsis thaliana. International Journal of Molecular Sciences, 2021, 22, 8126.	4.1	5
26	Role of serine/threonine protein kinase STN7 in the formation of two distinct photosystem I supercomplexes in Physcomitrium patens. Plant Physiology, 2022, 190, 698-713.	4.8	4
27	Isolation and characterization of a photosystem II preparation from thylakoid membranes of the extreme halophyte Salicornia veneta Pignatti et Lausi. Plant Physiology and Biochemistry, 2018, 132, 356-362.	5.8	2
28	Identification of a 2-cys peroxiredoxin as a tetramethyl benzidine-hydrogen peroxide stained protein from the thylakoids of the extreme halophyte Arthrocnemum macrostachyum L.. Plant Physiology and Biochemistry, 2012, 57, 59-66.	5.8	1
29	Identification of a 2-cys peroxiredoxin in the extreme halophyte Arthrocnemum macrostachyum. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S47.	1.8	0
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