Emmanuelle Issakidis-Bourguet

List of Publications by Year
in descending order

46 papers	3,883 citations	117571 34 h-index	233338 45 g-index
46 all docs	46 docs citations	46 times ranked	3447 citing authors

#	Article	IF	Citations
1	A Simplified Method to Assay Protein Carbonylation by Spectrophotometry. Methods in Molecular Biology, 2022, , 135-141.	0.4	2
2	Adenylates regulate Arabidopsis plastidial thioredoxin activities through the binding of a CBS domain protein. Plant Physiology, 2022, 189, 2298-2314.	2.3	6
3	Scientific contributions of Pierre Gadal and his labâ€”A tribute to Pierre Gadal (1938â€“2019). Advances in Botanical Research, 2021, , 41-127.	0.5	0
4	Metabolic control of histone demethylase activity involved in plant response to high temperature. Plant Physiology, 2021, 185, 1813-1828.	2.3	22
5	A New Role for Plastid Thioredoxins in Seed Physiology in Relation to Hormone Regulation. International Journal of Molecular Sciences, 2021, 22, 10395.	1.8	7
6	Arabidopsis histone deacetylase <scp>HDA</scp>15 directly represses plant response to elevated ambient temperature. Plant Journal, 2019, 100, 991-1006.	2.8	60
7	Redox Regulation of Monodehydroascorbate Reductase by Thioredoxin y in Plastids Revealed in the Context of Water Stress. Antioxidants, 2018, 7, 183.	2.2	33
8	Cytosolic and Chloroplastic DHARs Cooperate in Oxidative Stress-Driven Activation of the Salicylic Acid Pathway. Plant Physiology, 2017, 174, 956-971.	2.3	72
9	Thioredoxins Play a Crucial Role in Dynamic Acclimation of Photosynthesis in Fluctuating Light. Molecular Plant, 2017, 10, 168-182.	3.9	102
10	Perspectives on the interactions between metabolism, redox, and epigenetics in plants. Journal of Experimental Botany, 2016, 67, 5291-5300.	2.4	61
11	Redox regulation of chloroplastic G6PDH activity by thioredoxin occurs through structural changes modifying substrate accessibility and cofactor binding. Biochemical Journal, 2014, 457, 117-125.	1.7	23
12	Putative role of the malate valve enzyme NADPâ€“malate dehydrogenase in H ₂ O ₂ signalling in <i>Arabidopsis</i>. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130228.	1.8	50
13	Inactivation of thioredoxin <i>f</i>1 leads to decreased light activation of ADPâ€glucose pyrophosphorylase and altered diurnal starch turnover in leaves of <i>Arabidopsis</i> plants. Plant, Cell and Environment, 2013, 36, 16-29.	2.8	99
14	Insight into the redox regulation of the phosphoglucan phosphatase SEX4 involved in starch degradation. FEBS Journal, 2013, 280, 538-548.	2.2	48
15	Arabidopsis thaliana AMY3 Is a Unique Redox-regulated Chloroplastic Î±-Amylase. Journal of Biological Chemistry, 2013, 288, 33620-33633.	1.6	79
16	Overexpression of plastidial thioredoxins f and m differentially alters photosynthetic activity and response to oxidative stress in tobacco plants. Frontiers in Plant Science, 2013, 4, 390.	1.7	31
17	Involvement of thioredoxin y2 in the preservation of leaf methionine sulfoxide reductase capacity and growth under high light. Plant, Cell and Environment, 2013, 36, 670-682.	2.8	47
18	New insights into the reduction systems of plastidial thioredoxins point out the unique properties of thioredoxin z from Arabidopsis. Journal of Experimental Botany, 2012, 63, 6315-6323.	2.4	55

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19	Thioredoxin-regulated Î²-amylase (BAM1) triggers diurnal starch degradation in guard cells, and in mesophyll cells under osmotic stress. Journal of Experimental Botany, 2011, 62, 545-555.	2.4	182
20	Thioredoxin targets in <i>Arabidopsis</i> roots. Proteomics, 2010, 10, 2418-2428.	1.3	53
21	Arabidopsis GLUTATHIONE REDUCTASE1 Plays a Crucial Role in Leaf Responses to Intracellular Hydrogen Peroxide and in Ensuring Appropriate Gene Expression through Both Salicylic Acid and Jasmonic Acid Signaling Pathways Â Â Â. Plant Physiology, 2010, 153, 1144-1160.	2.3	328
22	Prompt and Easy Activation by Specific Thioredoxins of Calvin Cycle Enzymes of Arabidopsis thaliana Associated in the GAPDH/CP12/PRK Supramolecular Complex. Molecular Plant, 2009, 2, 259-269.	3.9	136
23	Redox regulation of chloroplastic glucoseâ€6â€phosphate dehydrogenase: A new role for fâ€type thioredoxin. FEBS Letters, 2009, 583, 2827-2832.	1.3	100
24	Heterologous complementation of yeast reveals a new putative function for chloroplastâ€ƒm-type thioredoxin. Plant Journal, 2008, 25, 127-135.	2.8	74
25	Specificity of thioredoxins and glutaredoxins as electron donors to two distinct classes of Arabidopsis plastidial methionine sulfoxide reductases B. FEBS Letters, 2007, 581, 4371-4376.	1.3	89
26	Conditional oxidative stress responses in the Arabidopsis photorespiratory mutant <i>cat2</i> demonstrate that redox state is a key modulator of daylengthâ€dependent gene expression, and define photoperiod as a crucial factor in the regulation of H₂O₂â€induced cell death. Plant Journal, 2007, 52, 640-657.	2.8	394
27	Thioredoxins in chloroplasts. Current Genetics, 2007, 51, 343-365.	0.8	195
28	Peroxiredoxin Q ofArabidopsis thalianais attached to the thylakoids and functions in context of photosynthesisâ€. Plant Journal, 2006, 45, 968-981.	2.8	165
29	Transferring redox regulation properties from sorghum NADP-malate dehydrogenase to Thermus NAD-malate dehydrogenase. Photosynthesis Research, 2006, 89, 213-223.	1.6	9
30	Thioredoxins, glutaredoxins, and glutathionylation: new crosstalks to explore. Photosynthesis Research, 2006, 89, 225-245.	1.6	101
31	NADP-Malate Dehydrogenase from Unicellular Green Alga Chlamydomonas reinhardtii. A First Step toward Redox Regulation?. Plant Physiology, 2005, 137, 514-521.	2.3	52
32	Functional Specialization of Chlamydomonas reinhardtii Cytosolic Thioredoxin h1 in the Response to Alkylation-Induced DNA Damage. Eukaryotic Cell, 2005, 4, 262-273.	3.4	37
33	Characterization of Plastidial Thioredoxins from Arabidopsis Belonging to the New y-Type. Plant Physiology, 2004, 136, 4088-4095.	2.3	182
34	Characterization of Arabidopsis Mutants for the Variable Subunit of Ferredoxin:thioredoxin Reductase. Photosynthesis Research, 2004, 79, 265-274.	1.6	43
35	New targets of Arabidopsis thioredoxins revealed by proteomic analysis. Proteomics, 2004, 4, 2696-2706.	1.3	191
36	Chlamydomonas reinhardtii: a model organism for the study of the thioredoxin family. Plant Physiology and Biochemistry, 2003, 41, 513-521.	2.8	30

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37	The Arabidopsis Plastidial Thioredoxins. Journal of Biological Chemistry, 2003, 278, 23747-23752.	1.6	307
38	Integration and expression of Sorghum C4 phosphoenolpyruvate carboxylase and chloroplastic NADP+-malate dehydrogenase separately or together in C3 potato plants. Plant Science, 2001, 160, 1199-1210.	1.7	14
39	Sites of interaction of thioredoxin with sorghum NADP-malate dehydrogenase. FEBS Letters, 2001, 505, 405-408.	1.3	19
40	Oxidationâˆ'Reduction Properties of the Regulatory Disulfides of Sorghum Chloroplast Nicotinamide Adenine Dinucleotide Phosphateâˆ'Malate Dehydrogenaseâ€. Biochemistry, 2000, 39, 3344-3350.	1.2	56
41	Heavy-Metal Regulation of Thioredoxin Gene Expression inChlamydomonas reinhardtii. Plant Physiology, 1999, 120, 773-778.	2.3	77
42	Direct NMR Observation of the Thioredoxin-mediated Reduction of the Chloroplast NADP-malate Dehydrogenase Provides a Structural Basis for the Relief of Autoinhibition. Journal of Biological Chemistry, 1999, 274, 34539-34542.	1.6	35
43	The complex regulation of ferredoxin/thioredoxin-related genes by light and the circadian clock. Planta, 1999, 209, 221-229.	1.6	40
44	The internal Cys-207 of sorghum leaf NADP-malate dehydrogenase can form mixed disulphides with thioredoxin. FEBS Letters, 1999, 444, 165-169.	1.3	41
45	Structural Basis for Light Activation of a Chloroplast Enzyme:Â The Structure of Sorghum NADP-Malate Dehydrogenase in Its Oxidized Formâ€,â€¡. Biochemistry, 1999, 38, 4319-4326.	1.2	91
46	An Internal Cysteine Is Involved in the Thioredoxin-dependent Activation of Sorghum Leaf NADP-malate Dehydrogenase. Journal of Biological Chemistry, 1997, 272, 19851-19857.	1.6	45