Ayelen Pagani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2199357/publications.pdf

Version: 2024-02-01

25 papers	658 citations	687363 13 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	736 citing authors

#	Article	IF	Citations
1	Disruption of iron homeostasis in Saccharomyces cerevisiae by high zinc levels: a genomeâ€wide study. Molecular Microbiology, 2007, 65, 521-537.	2.5	96
2	Shaping mechanisms of metal specificity in a family of metazoan metallothioneins: evolutionary differentiation of mollusc metallothioneins. BMC Biology, 2011, 9, 4.	3.8	96
3	The Saccharomyces cerevisiae Crs5 Metallothionein metal-binding abilities and its role in the response to zinc overload. Molecular Microbiology, 2007, 63, 256-269.	2.5	89
4	Zn- and Cd-Metallothionein Recombinant Species from the Most Diverse Phyla May Contain Sulfide (S2â˜) Ligands. Angewandte Chemie - International Edition, 2005, 44, 4618-4622.	13.8	75
5	The response of the different soybean metallothionein isoforms to cadmium intoxication. Journal of Inorganic Biochemistry, 2012, 117, 306-315.	3.5	44
6	Cognate and noncognate metal ion coordination in metal-specific metallothioneins: the Helix pomatia system as a model. Journal of Biological Inorganic Chemistry, 2014, 19, 923-935.	2.6	25
7	Sunflower metallothionein family characterisation. Study of the Zn(II)- and Cd(II)-binding abilities of the HaMT1 and HaMT2 isoforms. Journal of Inorganic Biochemistry, 2015, 148, 35-48.	3.5	25
8	The PAP/SAL1 retrograde signaling pathway is involved in iron homeostasis. Plant Molecular Biology, 2020, 102, 323-337.	3.9	22
9	The mitochondrial copper chaperone COX19 influences copper and iron homeostasis in arabidopsis. Plant Molecular Biology, 2019, 99, 621-638.	3.9	18
10	Loss of function of Arabidopsis NADPâ€malic enzyme 1 results in enhanced tolerance to aluminum stress. Plant Journal, 2020, 101, 653-665.	5.7	18
11	Evidence of Native Metalâ€“S^{2â˜}â€“Metallothionein Complexes Confirmed by the Analysis of Cup1 Divalentâ€Metalâ€Ion Binding Properties. Chemistry - A European Journal, 2010, 16, 12363-12372.	3.3	17
12	Ferrochelatase activity of plant frataxin. Biochimie, 2019, 156, 118-122.	2.6	17
13	Production of natural antioxidants from vegetable oil deodorizer distillates: Effect of catalytic hydrogenation. Bioresource Technology, 2010, 101, 1369-1376.	9.6	15
14	Altered levels of AtHSCB disrupts iron translocation from roots to shoots. Plant Molecular Biology, 2016, 92, 613-628.	3.9	14
15	Plant Frataxin in Metal Metabolism. Frontiers in Plant Science, 2018, 9, 1706.	3.6	13
16	His-containing plant metallothioneins: comparative study of divalent metal-ion binding by plant MT3 and MT4 isoforms. Journal of Biological Inorganic Chemistry, 2014, 19, 1149-1164.	2.6	12
17	Identification of two frataxin isoforms in Zea mays : Structural and functional studies. Biochimie, 2017, 140, 34-47.	2.6	11
18	Altered levels of mitochondrial NFS1 affect cellular Fe and S contents in plants. Plant Cell Reports, 2019, 38, 981-990.	5.6	11

#	Article	IF	Citations
19	Copper redox chemistry of plant frataxins. Journal of Inorganic Biochemistry, 2018, 180, 135-140.	3.5	8
20	Iron-Sulfur Cluster Complex Assembly in the Mitochondria of Arabidopsis thaliana. Plants, 2020, 9, 1171.	3.5	8
21	Lack of DNA helicase Pif1 disrupts zinc and iron homoeostasis in yeast. Biochemical Journal, 2010, 432, 595-608.	3.7	6
22	PAP/SAL1 retrograde signaling pathway modulates iron deficiency response in alkaline soils. Plant Science, 2021, 304, 110808.	3.6	5
23	The Role of Histidine in a Copperâ€Specific Metallothionein. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1356-1360.	1.2	4
24	Fe-S Protein Synthesis in Green Algae Mitochondria. Plants, 2021, 10, 200.	3.5	4
25	Drosophila proteins interacting with metallothioneins: A metalâ€dependent recognition. Proteomics, 2009, 9, 2568-2577.	2.2	3