

Doug Van Hoewyk

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

398
citations

1163117

8
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	A tale of two toxicities: malformed selenoproteins and oxidative stress both contribute to selenium stress in plants. <i>Annals of Botany</i> , 2013, 112, 965-972.	2.9	196
2	Malformed Selenoproteins Are Removed by the Ubiquitin-Proteasome Pathway in <i>Stanleya pinnata</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 555-564.	3.1	53
3	The ubiquitin-proteasome pathway protects <i>Chlamydomonas reinhardtii</i> against selenite toxicity, but is impaired as reactive oxygen species accumulate. <i>AoB PLANTS</i> , 2014, 6, plu062-plu062.	2.3	37
4	Use of the non-radioactive SUNSET method to detect decreased protein synthesis in proteasome inhibited <i>Arabidopsis</i> roots. <i>Plant Methods</i> , 2016, 12, 20.	4.3	28
5	Superoxide generated from the glutathione-mediated reduction of selenite damages the iron-sulfur cluster of chloroplastic ferredoxin. <i>Plant Physiology and Biochemistry</i> , 2016, 106, 228-235.	5.8	25
6	Defects in endoplasmic reticulum-associated degradation (ERAD) increase selenate sensitivity in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2018, 13, e1171451.	2.4	24
7	Stuck between a ROS and a hard place: Analysis of the ubiquitin proteasome pathway in selenocysteine treated <i>Brassica napus</i> reveals different toxicities during selenium assimilation. <i>Journal of Plant Physiology</i> , 2015, 181, 50-54.	3.5	19
8	Proteasome inhibition rapidly exacerbates photoinhibition and impedes recovery during high light stress in <i>Chlamydomonas reinhardtii</i> . <i>BMC Plant Biology</i> , 2020, 20, 22.	3.6	9
9	Profiling of proteasome activity in <i>Alyssum</i> species on serpentine soils in Turkey reveals possible insight into nickel tolerance and accumulation. <i>Plant Physiology and Biochemistry</i> , 2018, 124, 184-189.	5.8	5
10	Bringing the Dead Compartment of a Plant Cell to Life: A Novel Imaging Technique Resurrects the Dynamic Nature of the Apoplast. <i>Frontiers in Plant Science</i> , 2011, 2, 52.	3.6	1
11	Proteasome Inhibition in <i>Brassica napus</i> Roots Increases Amino Acid Synthesis to Offset Reduced Proteolysis. <i>Plant and Cell Physiology</i> , 2020, 61, 1028-1040.	3.1	1