

# Aviah Zilberstein

## List of Publications by Year in descending order

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18  
papers

1,429  
citations

687335

13  
h-index

839512

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1818  
citing authors

#	ARTICLE	IF	CITATIONS
1	SELENOPROTEIN O is a chloroplast protein involved in ROS scavenging and its absence increases dehydration tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 270, 278-291.	3.6	15
2	Evolution of proline biosynthesis: enzymology, bioinformatics, genetics, and transcriptional regulation. <i>Biological Reviews</i> , 2015, 90, 1065-1099.	10.4	151
3	Proline dehydrogenase: a key enzyme in controlling cellular homeostasis. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 607.	3.0	96
4	Plants in Extreme Environments. <i>Advances in Botanical Research</i> , 2011, 57, 105-150.	1.1	48
5	Elevation of free proline and proline-rich protein levels by simultaneous manipulations of proline biosynthesis and degradation in plants. <i>Plant Science</i> , 2011, 181, 140-150.	3.6	67
6	Transcriptional control of aspartate kinase expression during darkness and sugar depletion in <i>Arabidopsis</i> : involvement of bZIP transcription factors. <i>Planta</i> , 2011, 233, 1025-1040.	3.2	11
7	Induced production of antifungal naphthoquinones in the pitchers of the carnivorous plant <i>Nepenthes khasiana</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 911-922.	4.8	73
8	Unraveling $\gamma$ -Pyrroline-5-Carboxylate-Proline Cycle in Plants by Uncoupled Expression of Proline Oxidation Enzymes. <i>Journal of Biological Chemistry</i> , 2009, 284, 26482-26492.	3.4	239
9	The <i>Bacillus thuringiensis</i> delta-endotoxin Cry1C as a potential bioinsecticide in plants. <i>Plant Science</i> , 2009, 176, 315-324.	3.6	33
10	Responsive modes of <i>Medicago sativa</i> proline dehydrogenase genes during salt stress and recovery dictate free proline accumulation. <i>Planta</i> , 2005, 222, 70-79.	3.2	75
11	Cell-cycle-dependent resistance to <i>Bacillus thuringiensis</i> Cry1C toxin in Sf9 cells. <i>Journal of Cell Science</i> , 2005, 118, 3163-3171.	2.0	15
12	The Role of <i>Bacillus thuringiensis</i> Cry1C and Cry1E Separate Structural Domains in the Interaction with <i>Spodoptera littoralis</i> Gut Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 15779-15786.	3.4	13
13	Isolation and characterization of two different cDNAs of delta1-pyrroline-5-carboxylate synthase in alfalfa, transcriptionally induced upon salt stress. <i>Plant Molecular Biology</i> , 1998, 38, 755-764.	3.9	65
14	Characterization of rbc S genes in the fern <i>Pteris vittata</i> and their photoregulation. <i>Planta</i> , 1998, 206, 204-214.	3.2	11
15	Differential expression of two P5CS genes controlling proline accumulation during salt stress requires ABA and is regulated by ABA1, ABI1 and AXR2 in <i>Arabidopsis</i> . <i>Plant Journal</i> , 1997, 12, 557-569.	5.7	134
16	Differential expression of two P5CS genes controlling proline accumulation during salt stress requires ABA and is regulated by ABA1, ABI1 and AXR2 in <i>Arabidopsis</i> . <i>Plant Journal</i> , 1997, 12, 557-569.	5.7	364
17	Mimicry by cytokinin of phytochrome-regulated inhibition of chloroplast development in etiolated cucumber cotyledons. <i>Physiologia Plantarum</i> , 1988, 72, 57-64.	5.2	16
18	Immediate intraplumular distribution of macromolecular syntheses following floral induction in <i>Pharbitis nil</i> . <i>Plant and Cell Physiology</i> , 1975, , .	3.1	3