

Hayat El-Maarouf-Bouteau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

2,051
citations

15
h-index

27
g-index

27
ext. papers

2,476
ext. citations

5.5
avg, IF

4.77
L-index

#	Paper	IF	Citations
25	A multiscale approach reveals regulatory players of water stress responses in seeds during germination. <i>Plant, Cell and Environment</i> , 2020 , 43, 1300-1313	8.4	3
24	A Correlative Study of Sunflower Seed Vigor Components as Related to Genetic Background. <i>Plants</i> , 2020 , 9,	4.5	5
23	Activation of plasma membrane H-ATPases participates in dormancy alleviation in sunflower seeds. <i>Plant Science</i> , 2019 , 280, 408-415	5.3	7
22	Re-localization of hormone effectors is associated with dormancy alleviation by temperature and after-ripening in sunflower seeds. <i>Scientific Reports</i> , 2019 , 9, 4861	4.9	4
21	Regulatory actors and alternative routes for Arabidopsis seed germination are revealed using a pathway-based analysis of transcriptomic datasets. <i>Plant Journal</i> , 2019 , 99, 163-175	6.9	8
20	Integrating proteomics and enzymatic profiling to decipher seed metabolism affected by temperature in seed dormancy and germination. <i>Plant Science</i> , 2018 , 269, 118-125	5.3	23
19	Revisiting the Role of Ethylene and N-End Rule Pathway on Chilling-Induced Dormancy Release in Arabidopsis Seeds. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	8
18	One Way to Achieve Germination: Common Molecular Mechanism Induced by Ethylene and After-Ripening in Sunflower Seeds. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	9
17	Reactive oxygen species, abscisic acid and ethylene interact to regulate sunflower seed germination. <i>Plant, Cell and Environment</i> , 2015 , 38, 364-74	8.4	93
16	Translatome profiling in dormant and nondormant sunflower (<i>Helianthus annuus</i>) seeds highlights post-transcriptional regulation of germination. <i>New Phytologist</i> , 2014 , 204, 864-72	9.8	26
15	Could FaRP-Like Peptides Participate in Regulation of Hyperosmotic Stress Responses in Plants?. <i>Frontiers in Endocrinology</i> , 2014 , 5, 132	5.7	0
14	Ethylene, a key factor in the regulation of seed dormancy. <i>Frontiers in Plant Science</i> , 2014 , 5, 539	6.2	141
13	Is gene transcription involved in seed dry after-ripening?. <i>PLoS ONE</i> , 2014 , 9, e86442	3.7	30
12	Role of protein and mRNA oxidation in seed dormancy and germination. <i>Frontiers in Plant Science</i> , 2013 , 4, 77	6.2	102
11	Role of reactive oxygen species in the regulation of Arabidopsis seed dormancy. <i>Plant and Cell Physiology</i> , 2012 , 53, 96-106	4.9	169
10	Catalase is a key enzyme in seed recovery from ageing during priming. <i>Plant Science</i> , 2011 , 181, 309-15	5.3	116
9	Targeted mRNA oxidation regulates sunflower seed dormancy alleviation during dry after-ripening. <i>Plant Cell</i> , 2011 , 23, 2196-208	11.6	135

8	DNA alteration and programmed cell death during ageing of sunflower seed. <i>Journal of Experimental Botany</i> , 2011 , 62, 5003-11	7	66
7	<i>Arabidopsis thaliana</i> cells: a model to evaluate the virulence of <i>Pectobacterium carotovorum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 139-43	3.6	8
6	The mechanisms involved in seed dormancy alleviation by hydrogen cyanide unravel the role of reactive oxygen species as key factors of cellular signaling during germination. <i>Plant Physiology</i> , 2009 , 150, 494-505	6.6	216
5	From intracellular signaling networks to cell death: the dual role of reactive oxygen species in seed physiology. <i>Comptes Rendus - Biologies</i> , 2008 , 331, 806-14	1.4	521
4	Oxidative signaling in seed germination and dormancy. <i>Plant Signaling and Behavior</i> , 2008 , 3, 175-82	2.5	240
3	A diffusible signal from germinating <i>Orobancha ramosa</i> elicits early defense responses in suspension-cultured <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2008 , 3, 189-93	2.5	5
2	Release of sunflower seed dormancy by cyanide: cross-talk with ethylene signalling pathway. <i>Journal of Experimental Botany</i> , 2008 , 59, 2241-51	7	78
1	A putative role for fusaric acid in biocontrol of the parasitic angiosperm <i>Orobancha ramosa</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 550-6	3.6	35