Henri Batoko

List of Publications by Year
in descending order

51 papers	12,110 citations	236925 25 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	23868 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662	9.1	1,430
4	A Rab1 GTPase Is Required for Transport between the Endoplasmic Reticulum and Golgi Apparatus and for Normal Golgi Movement in Plants. Plant Cell, 2000, 12, 2201-2217.	6.6	550
5	FRET imaging in living maize cells reveals that plasma membrane aquaporins interact to regulate their subcellular localization. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12359-12364.	7.1	309
6	Redistribution of membrane proteins between the Golgi apparatus and endoplasmic reticulum in plants is reversible and not dependent on cytoskeletal networks. Plant Journal, 2002, 29, 661-678.	5.7	247
7	TheArabidopsisMultistress Regulator TSPO Is a Heme Binding Membrane Protein and a Potential Scavenger of Porphyrins via an Autophagy-Dependent Degradation Mechanism Â. Plant Cell, 2011, 23, 785-805.	6.6	176
8	The Abscisic Acidâ€“Related SNARE Homolog NtSyr1 Contributes to Secretion and Growth. Plant Cell, 2002, 14, 387-406.	6.6	148
9	A Plant Plasma Membrane H+-ATPase Expressed in Yeast Is Activated by Phosphorylation at Its Penultimate Residue and Binding of 14-3-3 Regulatory Proteins in the Absence of Fusicoccin. Journal of Biological Chemistry, 2000, 275, 17762-17770.	3.4	131
10	The Arabidopsis Abiotic Stress-Induced TSPO-Related Protein Reduces Cell-Surface Expression of the Aquaporin PIP2;7 through Protein-Protein Interactions and Autophagic Degradation. Plant Cell, 2014, 26, 4974-4990.	6.6	128
11	A Rab-E GTPase Mutant Acts Downstream of the Rab-D Subclass in Biosynthetic Membrane Traffic to the Plasma Membrane in Tobacco Leaf Epidermis. Plant Cell, 2005, 17, 2020-2036.	6.6	124
12	Autophagy-related approaches for improving nutrient use efficiency and crop yield protection. Journal of Experimental Botany, 2018, 69, 1335-1353.	4.8	97
13	The Xerobranching Response Represses Lateral Root Formation When Roots Are Not in Contact with Water. Current Biology, 2018, 28, 3165-3173.e5.	3.9	94
14	The Arabidopsis TSPOâ€related protein is a stress and abscisic acidâ€regulated, endoplasmic reticulumâ€“Golgiâ€localized membrane protein. Plant Journal, 2009, 60, 242-256.	5.7	89
15	Targeting of a Nicotiana plumbaginifolia H+-ATPase to the Plasma Membrane Is Not by Default and Requires Cytosolic Structural Determinants. Plant Cell, 2004, 16, 1772-1789.	6.6	60
16	Salinity-mediated transcriptional and post-translational regulation of the Arabidopsis aquaporin PIP2;7. Plant Molecular Biology, 2016, 92, 731-744.	3.9	59
17	Enigmatic Translocator protein (TSPO) and cellular stress regulation. Trends in Biochemical Sciences, 2015, 40, 497-503.	7.5	52
18	The Arabidopsis thaliana trehalase is a plasma membraneâ€bound enzyme with extracellular activity. FEBS Letters, 2007, 581, 4010-4016.	2.8	46

#	Article	IF	Citations
19	Characterization of tomato (Solanum lycopersicum L.) mutants affected in their flowering time and in the morphogenesis of their reproductive structure. Journal of Experimental Botany, 2006, 57, 1381-1390.	4.8	43
20	Repression of early lateral root initiation events by transient water deficit in barley and maize. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1534-1541.	4.0	36
21	Understanding and exploiting autophagy signaling in plants. Essays in Biochemistry, 2017, 61, 675-685.	4.7	32
22	Modulation of plant plasma membrane H+-ATPase by phytotoxic lipodepsipeptides produced by the plant pathogen Pseudomonas fuscovaginae. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1372, 216-226.	2.6	31
23	Selective autophagy of non-ubiquitylated targets in plants: looking for cognate receptor/adaptor proteins. Frontiers in Plant Science, 2014, 5, 308.	3.6	29
24	UNIFLORA, a pivotal gene that regulates floral transition and meristem identity in tomato () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Tc	7.3	26
25	Genetic interactions in the control of flowering time and reproductive structure development in tomato (Solanum lycopersicum). New Phytologist, 2006, 170, 701-710.	7.3	26
26	ABA, porphyrins and plant TSPO-related protein. Plant Signaling and Behavior, 2009, 4, 1087-1090.	2.4	26
27	Isolation of heat shock-induced Nicotiana tabacum transcription promoters and their potential as a tool for plant research and biotechnology. Transgenic Research, 2011, 20, 799-810.	2.4	26
28	Lipids in membrane dynamics during autophagy in plants. Journal of Experimental Botany, 2018, 69, 1287-1299.	4.8	26
29	Predictable activation of tissue-specific expression from a single gene locus using the pOp/LhG4 transactivation system in Arabidopsis. Plant Biotechnology Journal, 2004, 3, 91-101.	8.3	25
30	Autophagy involvement in responses to abscisic acid by plant cells. Autophagy, 2011, 7, 655-656.	9.1	22
31	Arabidopsis TSPO and porphyrins metabolism. Plant Signaling and Behavior, 2011, 6, 1383-1385.	2.4	18
32	Protein degradation mechanisms modulate abscisic acid signaling and responses during abiotic stress. Plant Science, 2018, 267, 48-54.	3.6	18
33	Multiscale and Multimodal Approaches to Study Autophagy in Model Plants. Cells, 2018, 7, 5.	4.1	18
34	A TSPO-related protein localizes to the early secretory pathway in Arabidopsis, but is targeted to mitochondria when expressed in yeast. Journal of Experimental Botany, 2011, 62, 497-508.	4.8	17
35	Identification, characterization and mapping of differentially expressed genes in a winter wheat cultivar (Centenaire) resistant to Fusarium graminearum infection. Molecular Biology Reports, 2012, 39, 9583-9600.	2.3	16
36	The multistressâ€induced Translocator protein (TSPO) differentially modulates storage lipids metabolism in seeds and seedlings. Plant Journal, 2018, 96, 274-286.	5.7	14

#	Article	IF	Citations
37	Plant cytokinesis: KNOLLE joins the club. Current Biology, 2001, 11, R423-R426.	3.9	11
38	Identification and differential induction of ABCG transporter genes in wheat cultivars challenged by a deoxynivalenol-producing Fusarium graminearum strain. Molecular Biology Reports, 2014, 41, 6181-6194.	2.3	11
39	Long-Term Persistence of Yersinia pseudotuberculosis in Entomopathogenic Nematodes. PLoS ONE, 2015, 10, e0116818.	2.5	11
40	Inhibition of rice (Oryza sativa L.) seedling elongation by a Pseudomonas fuscovaginae toxin. Euphytica, 1994, 76, 139-143.	1.2	10
41	Involvement of Toxins Produced by Pseudomonas fuscovaginae in Aetiology of Rice Bacterial Sheath Brown Rot. Journal of Phytopathology, 1997, 145, 525-531.	1.0	10
42	A Plant-Specific N-terminal Extension Reveals Evolutionary Functional Divergence within Translocator Proteins. IScience, 2020, 23, 100889.	4.1	9
43	Translocator proteins, porphyrins and abiotic stress: new light?. Trends in Plant Science, 2015, 20, 261-263.	8.8	7
44	Cargo receptors and adaptors for selective autophagy in plant cells. FEBS Letters, 2022, 596, 2104-2132.	2.8	7
45	VPS34 Complexes in Plants: Untangled Enough?. Trends in Plant Science, 2021, 26, 303-305.	8.8	6
46	Method for fluorescent marker swapping and its application in Steinernema nematode colonization studies. Journal of Microbiological Methods, 2015, 113, 34-37.	1.6	2
47	TRANSAUTOPHAGY: European network for multidisciplinary research and translation of autophagy knowledge. Autophagy, 2016, 12, 614-617.	9.1	2
48	Organelle Motility in Plant Cells: Imaging Golgi and ER Dynamics with GFP. Current Protocols in Cell Biology, 2001, 9, Unit 13.3.	2.3	1
49	Editorial: Organelle Autophagy in Plant Development. Frontiers in Plant Science, 2020, 11, 502.	3.6	1
50	The Xerobranching Response Represses Lateral Root Formation When Roots Are Not in Contact With Water. SSRN Electronic Journal, 0, , .	0.4	1
51	In memoriam AndrÃ© Goffeau: From proteins to genes to genomesâ€"The Goffeaumic approach to life sciences. Yeast, 2019, 36, 157-159.	1.7	0