

# Diane C Bassham

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

12,310  
citations

108046

37  
h-index

100535

70  
g-index

75  
all docs

75  
docs citations

75  
times ranked

20994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy during drought: function, regulation, and potential application. <i>Plant Journal</i> , 2022, 109, 390-401.	2.8	28
2	Î <sup>3</sup> -Aminobutyric acid plays a key role in plant acclimation to a combination of high light and heat stress. <i>Plant Physiology</i> , 2022, 188, 2026-2038.	2.3	28
3	Complex Changes in Membrane Lipids Associated with the Modification of Autophagy in Arabidopsis. <i>Metabolites</i> , 2022, 12, 190.	1.3	7
4	Integrated omics reveal novel functions and underlying mechanisms of the receptor kinase FERONIA in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2022, 34, 2594-2614.	3.1	18
5	Interactions between autophagy and phytohormone signaling pathways in plants. <i>FEBS Letters</i> , 2022, 596, 2198-2214.	1.3	9
6	An unexpected function for an ESCRT protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	1
7	Daily temperature cycles promote alternative splicing of RNAs encoding SR45a, a splicing regulator in maize. <i>Plant Physiology</i> , 2021, 186, 1318-1335.	2.3	16
8	Persulfidation of ATG18a regulates autophagy under ER stress in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	50
9	The F-box E3 ubiquitin ligase BAF1 mediates the degradation of the brassinosteroid-activated transcription factor BES1 through selective autophagy in Arabidopsis. <i>Plant Cell</i> , 2021, 33, 3532-3554.	3.1	27
10	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 382 Td (edition	4.3	1,430
11	Identification of transcription factors that regulate <i>ATG8</i> expression and autophagy in <i>Arabidopsis</i> . <i>Autophagy</i> , 2020, 16, 123-139.	4.3	81
12	Hydrogen Sulfide: From a Toxic Molecule to a Key Molecule of Cell Life. <i>Antioxidants</i> , 2020, 9, 621.	2.2	83
13	Post-Synthetic Reduction of Pectin Methylesterification Causes Morphological Abnormalities and Alterations to Stress Response in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 1558.	1.6	10
14	The Transcription Factor bZIP60 Links the Unfolded Protein Response to the Heat Stress Response in Maize. <i>Plant Cell</i> , 2020, 32, 3559-3575.	3.1	75
15	TOR mediates the autophagy response to altered nucleotide homeostasis in an RNase mutant. <i>Journal of Experimental Botany</i> , 2020, 71, 6907-6920.	2.4	21
16	ER-Phagy and Its Role in ER Homeostasis in Plants. <i>Plants</i> , 2020, 9, 1771.	1.6	15
17	Target of Rapamycin in Control of Autophagy: Puppet Master and Signal Integrator. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8259.	1.8	31
18	COST1 regulates autophagy to control plant drought tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7482-7493.	3.3	71

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19	COST1 balances plant growth and stress tolerance via attenuation of autophagy. <i>Autophagy</i> , 2020, 16, 1157-1158.	4.3	12
20	Combating stress: the interplay between hormone signaling and autophagy in plants. <i>Journal of Experimental Botany</i> , 2020, 71, 1723-1733.	2.4	53
21	Editorial: Sugars and Autophagy in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1190.	1.7	8
22	Overexpression of <i>trans</i> -Golgi network SNAREs rescues vacuolar trafficking and TGN morphology defects in a putative tethering factor mutant. <i>Plant Journal</i> , 2019, 99, 703-716.	2.8	10
23	A Functional Unfolded Protein Response Is Required for Normal Vegetative Development. <i>Plant Physiology</i> , 2019, 179, 1834-1843.	2.3	37
24	Linking Autophagy to Abiotic and Biotic Stress Responses. <i>Trends in Plant Science</i> , 2019, 24, 413-430.	4.3	203
25	The Ins and Outs of Autophagic Ribosome Turnover. <i>Cells</i> , 2019, 8, 1603.	1.8	23
26	New advances in autophagy in plants: Regulation, selectivity and function. <i>Seminars in Cell and Developmental Biology</i> , 2018, 80, 113-122.	2.3	97
27	Dynamics of Autophagosome Formation. <i>Plant Physiology</i> , 2018, 176, 219-229.	2.3	95
28	Autophagy in crop plants: what's new beyond <i>Arabidopsis</i> ? <i>Open Biology</i> , 2018, 8, .	1.5	49
29	Spheres of autophagy in maize. <i>Nature Plants</i> , 2018, 4, 985-986.	4.7	2
30	Response to Persistent ER Stress in Plants: A Multiphasic Process That Transitions Cells from Prosurvival Activities to Cell Death. <i>Plant Cell</i> , 2018, 30, 1220-1242.	3.1	67
31	IRE1B degrades RNAs encoding proteins that interfere with the induction of autophagy by ER stress in <i>Arabidopsis thaliana</i> . <i>Autophagy</i> , 2018, 14, 1562-1573.	4.3	66
32	Using <i>Arabidopsis</i> Mesophyll Protoplasts to Study Unfolded Protein Response Signaling. <i>Bio-protocol</i> , 2018, 8, e3101.	0.2	2
33	Selective Autophagy of BES1 Mediated by DSK2 Balances Plant Growth and Survival. <i>Developmental Cell</i> , 2017, 41, 33-46.e7.	3.1	262
34	Degradation of cytosolic ribosomes by autophagy-related pathways. <i>Plant Science</i> , 2017, 262, 169-174.	1.7	25
35	Localization of RNS2 ribonuclease to the vacuole is required for its role in cellular homeostasis. <i>Planta</i> , 2017, 245, 779-792.	1.6	38
36	Regulation of autophagy through SnRK1 and TOR signaling pathways. <i>Plant Signaling and Behavior</i> , 2017, 12, e1395128.	1.2	25

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37	TNO1, a TGN-localized SNARE-interacting protein, modulates root skewing in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2017, 17, 73.	1.6	10
38	Cell growth and homeostasis are disrupted in <i>arabidopsis rns2-2</i> mutants missing the main vacuolar RNase activity. <i>Annals of Botany</i> , 2017, 120, 911-922.	1.4	23
39	TOR-Dependent and -Independent Pathways Regulate Autophagy in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1204.	1.7	148
40	SnRK1 activates autophagy via the TOR signaling pathway in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2017, 12, e0182591.	1.1	149
41	Activation of autophagy by unfolded proteins during endoplasmic reticulum stress. <i>Plant Journal</i> , 2016, 85, 83-95.	2.8	131
42	Detection of Autophagy in Plants by Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1450, 161-172.	0.4	14
43	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
44	Stochastic Optical Reconstruction Microscopy Imaging of Microtubule Arrays in Intact <i>Arabidopsis thaliana</i> Seedling Roots. <i>Scientific Reports</i> , 2015, 5, 15694.	1.6	26
45	Gravitropism and Lateral Root Emergence are Dependent on the Trans-Golgi Network Protein TNO1. <i>Frontiers in Plant Science</i> , 2015, 6, 969.	1.7	4
46	Evidence for autophagy-dependent pathways of rRNA turnover in <i>Arabidopsis</i> . <i>Autophagy</i> , 2015, 11, 2199-2212.	4.3	92
47	Pigments on the move. <i>Nature</i> , 2015, 526, 644-645.	13.7	4
48	Methods for analysis of autophagy in plants. <i>Methods</i> , 2015, 75, 181-188.	1.9	57
49	New Insight into the Mechanism and Function of Autophagy in Plant Cells. <i>International Review of Cell and Molecular Biology</i> , 2015, 320, 1-40.	1.6	76
50	Autophagy in plants and algae. <i>Frontiers in Plant Science</i> , 2014, 5, 679.	1.7	20
51	Root growth movements: Waving and skewing. <i>Plant Science</i> , 2014, 221-222, 42-47.	1.7	50
52	Degradation of the endoplasmic reticulum by autophagy in plants. <i>Autophagy</i> , 2013, 9, 622-623.	4.3	23
53	Links between ER stress and autophagy in plants. <i>Plant Signaling and Behavior</i> , 2013, 8, e24297.	1.2	29
54	Degradation of the Endoplasmic Reticulum by Autophagy during Endoplasmic Reticulum Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 4635-4651.	3.1	246

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55	What to Eat: Evidence for Selective Autophagy in Plants. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 907-920.	4.1	78
56	Autophagy: Pathways for Self-Eating in Plant Cells. <i>Annual Review of Plant Biology</i> , 2012, 63, 215-237.	8.6	459
57	Autophagy differentially controls plant basal immunity to biotrophic and necrotrophic pathogens. <i>Plant Journal</i> , 2011, 66, 818-830.	2.8	190
58	RNS2, a conserved member of the RNase T2 family, is necessary for ribosomal RNA decay in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1093-1098.	3.3	148
59	TOR Is a Negative Regulator of Autophagy in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2010, 5, e11883.	1.1	233
60	Autophagy is required for tolerance of drought and salt stress in plants. <i>Autophagy</i> , 2009, 5, 954-963.	4.3	327
61	Function and regulation of macroautophagy in plants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1397-1403.	1.9	83
62	SNAREs: Cogs and Coordinators in Signaling and Development. <i>Plant Physiology</i> , 2008, 147, 1504-1515.	2.3	90
63	Degradation of Oxidized Proteins by Autophagy during Oxidative Stress in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2007, 143, 291-299.	2.3	409
64	Plant autophagy—more than a starvation response. <i>Current Opinion in Plant Biology</i> , 2007, 10, 587-593.	3.5	246
65	Germination and proteome analyses reveal intraspecific variation in seed dormancy regulation in common waterhemp ( <i>Amaranthus tuberculatus</i> ). <i>Weed Science</i> , 2006, 54, 305-315.	0.8	28
66	Autophagy in Development and Stress Responses of Plants. <i>Autophagy</i> , 2006, 2, 2-11.	4.3	327
67	Inheritance of deep seed dormancy and stratification-mediated dormancy alleviation in <i>Amaranthus tuberculatus</i> . <i>Seed Science Research</i> , 2006, 16, 193-202.	0.8	4
68	Visualization of autophagy in <i>Arabidopsis</i> using the fluorescent dye monodansylcadaverine and a GFP-AtATG8e fusion protein. <i>Plant Journal</i> , 2005, 42, 598-608.	2.8	240
69	AtATG18a is required for the formation of autophagosomes during nutrient stress and senescence in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2005, 42, 535-546.	2.8	336
70	Transcriptome Profiling of the Response of <i>Arabidopsis</i> Suspension Culture Cells to Suc Starvation. <i>Plant Physiology</i> , 2004, 135, 2330-2347.	2.3	226