

# Sophia L Stone

## List of Publications by Year in descending order

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36  
papers

4,461  
citations

236612

25  
h-index

360668

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

4153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Analysis of the RING-Type Ubiquitin Ligase Family of Arabidopsis. <i>Plant Physiology</i> , 2005, 137, 13-30.	2.3	524
2	Genome Analysis and Functional Characterization of the E2 and RING-Type E3 Ligase Ubiquitination Enzymes of Arabidopsis. <i>Plant Physiology</i> , 2005, 139, 1597-1611.	2.3	365
3	Abiotic stress tolerance mediated by protein ubiquitination. <i>Journal of Experimental Botany</i> , 2012, 63, 599-616.	2.4	355
4	KEEP ON GOING, a RING E3 Ligase Essential for Arabidopsis Growth and Development, Is Involved in Abscisic Acid Signaling. <i>Plant Cell</i> , 2007, 18, 3415-3428.	3.1	347
5	ARC1 Is an E3 Ubiquitin Ligase and Promotes the Ubiquitination of Proteins during the Rejection of Self-Incompatible Brassica Pollen. <i>Plant Cell</i> , 2003, 15, 885-898.	3.1	329
6	Cellular Pathways Regulating Responses to Compatible and Self-Incompatible Pollen in <i>Brassica</i> and <i>Arabidopsis</i> Stigmas Intersect at Exo70A1, a Putative Component of the Exocyst Complex. <i>Plant Cell</i> , 2009, 21, 2655-2671.	3.1	259
7	The role of ubiquitin and the 26S proteasome in plant abiotic stress signaling. <i>Frontiers in Plant Science</i> , 2014, 5, 135.	1.7	251
8	Abscisic Acid Increases <i>Arabidopsis</i> ABI5 Transcription Factor Levels by Promoting KEG E3 Ligase Self-Ubiquitination and Proteasomal Degradation. <i>Plant Cell</i> , 2010, 22, 2630-2641.	3.1	248
9	A Breakdown of Brassica Self-Incompatibility in ARC1 Antisense Transgenic Plants. <i>Science</i> , 1999, 286, 1729-1731.	6.0	230
10	A Large Complement of the Predicted Arabidopsis ARM Repeat Proteins Are Members of the U-Box E3 Ubiquitin Ligase Family. <i>Plant Physiology</i> , 2004, 134, 59-66.	2.3	192
11	Ubiquitin ligases mediate growth and development by promoting protein death. <i>Current Opinion in Plant Biology</i> , 2007, 10, 624-632.	3.5	150
12	Arabidopsis CIPK26 interacts with KEG, components of the ABA signalling network and is degraded by the ubiquitin-proteasome system. <i>Journal of Experimental Botany</i> , 2013, 64, 2779-2791.	2.4	136
13	The Arabidopsis RING-type E3 ligase XBAT32 mediates the proteasomal degradation of the ethylene biosynthetic enzyme, 1-aminocyclopropane-carboxylate synthase 7. <i>Plant Journal</i> , 2012, 71, 23-34.	2.8	121
14	Cytoplasmic Degradation of the Arabidopsis Transcription Factor ABSCISIC ACID INSENSITIVE 5 Is Mediated by the RING-type E3 Ligase KEEP ON GOING. <i>Journal of Biological Chemistry</i> , 2013, 288, 20267-20279.	1.6	117
15	<sc>ABA</sc> and the ubiquitin E3 ligase <sc>KEEP ON GOING</sc> affect proteolysis of the <i><sc>A</sc>rabidopsis thaliana</i> transcription factors <sc>ABF</sc>1 and <sc>ABF</sc>3. <i>Plant Journal</i> , 2013, 75, 965-976.	2.8	114
16	Arabidopsis RING E3 Ligase XBAT32 Regulates Lateral Root Production through Its Role in Ethylene Biosynthesis. <i>Plant Physiology</i> , 2010, 153, 1587-1596.	2.3	99
17	ATL9, a RING Zinc Finger Protein with E3 Ubiquitin Ligase Activity Implicated in Chitin- and NADPH Oxidase-Mediated Defense Responses. <i>PLoS ONE</i> , 2010, 5, e14426.	1.1	94
18	Role of the Ubiquitin Proteasome System in Plant Response to Abiotic Stress. <i>International Review of Cell and Molecular Biology</i> , 2019, 343, 65-110.	1.6	86

#	ARTICLE	IF	CITATIONS
19	The RING E3 Ligase KEEP ON GOING Modulates JASMONATE ZIM-DOMAIN12 Stability. <i>Plant Physiology</i> , 2015, 169, 1405-1417.	2.3	76
20	E3 ubiquitin ligases and abscisic acid signaling. <i>Plant Signaling and Behavior</i> , 2011, 6, 344-348.	1.2	38
21	The RING-Type E3 Ligase XBAT35.2 Is Involved in Cell Death Induction and Pathogen Response. <i>Plant Physiology</i> , 2017, 175, 1469-1483.	2.3	37
22	The molecular biology of self-incompatibility systems in flowering plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2001, 67, 93-114.	1.2	35
23	Purple Acid Phosphatase5 is required for maintaining basal resistance against <i>Pseudomonas syringae</i> in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2013, 13, 107.	1.6	34
24	Elevated carbon dioxide decreases the adverse effects of higher temperature and drought stress by mitigating oxidative stress and improving water status in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2019, 250, 1191-1214.	1.6	33
25	Degradation of the stress-responsive enzyme formate dehydrogenase by the RING-type E3 ligase Keep on Going and the ubiquitin 26S proteasome system. <i>Plant Molecular Biology</i> , 2018, 96, 265-278.	2.0	29
26	Further analysis of XBAT32, an <i>Arabidopsis</i> RING E3 ligase, involved in ethylene biosynthesis. <i>Plant Signaling and Behavior</i> , 2010, 5, 1425-1429.	1.2	28
27	Regulation of ABI5 turnover by reversible post-translational modifications. <i>Plant Signaling and Behavior</i> , 2014, 9, e27577.	1.2	25
28	Regulation of ethylene biosynthesis through protein degradation. <i>Plant Signaling and Behavior</i> , 2012, 7, 1438-1442.	1.2	24
29	<i>Arabidopsis</i> RING-type E3 ubiquitin ligase XBAT35.2 promotes proteasome-dependent degradation of ACD11 to attenuate abiotic stress tolerance. <i>Plant Journal</i> , 2020, 104, 1712-1723.	2.8	23
30	Optimal level of purple acid phosphatase5 is required for maintaining complete resistance to <i>Pseudomonas syringae</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 568.	1.7	19
31	The Kinase Activity of Calcineurin B-like Interacting Protein Kinase 26 (CIPK26) Influences Its Own Stability and that of the ABA-regulated Ubiquitin Ligase, Keep on Going (KEG). <i>Frontiers in Plant Science</i> , 2017, 8, 502.	1.7	18
32	Low Mannitol Concentrations in <i>Arabidopsis thaliana</i> Expressing <i>Ectocarpus</i> Genes Improve Salt Tolerance. <i>Plants</i> , 2020, 9, 1508.	1.6	10
33	The Ubiquitin Proteasome System and Nutrient Stress Response. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	6
34	A Novel Protein from <i>Ectocarpus</i> sp. Improves Salinity and High Temperature Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1971.	1.8	4
35	Editorial: Structure, Function, and Evolution of E3 Ligases and Targets. <i>Frontiers in Plant Science</i> , 2021, 12, 767281.	1.7	3
36	Ubiquitination of Plant Transcription Factors. , 2016, , 395-409.		2