Elena A Minina

List of Publications by Citations

38 papers	4,879 citations	19 h-index	48 g-index
48 ext. papers	5,764 ext. citations	7.7 avg, IF	4.2 L-index

#	Paper	IF	Citations
38	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
37	Tudor staphylococcal nuclease is an evolutionarily conserved component of the programmed cell death degradome. *Nature Cell Biology*, **2009**, 11, 1347-54	23.4	163
36	Autophagy and metacaspase determine the mode of cell death in plants. *Journal of Cell Biology*, **2013**, 203, 917-27	7.3	111
35	Autophagy as initiator or executioner of cell death. *Trends in Plant Science*, **2014**, 19, 692-7	13.1	98
34	Transcriptional stimulation of rate-limiting components of the autophagic pathway improves plant fitness. *Journal of Experimental Botany*, **2018**, 69, 1415-1432	7	73
33	Bacteria Exploit Autophagy for Proteasome Degradation and Enhanced Virulence in Plants. *Plant Cell*, **2018**, 30, 668-685	11.6	59
32	Autophagy-related approaches for improving nutrient use efficiency and crop yield protection. *Journal of Experimental Botany*, **2018**, 69, 1335-1353	7	52
31	At-4/1, an interactor of the Tomato spotted wilt virus movement protein, belongs to a new family of plant proteins capable of directed intra- and intercellular trafficking. *Molecular Plant-Microbe Interactions*, **2006**, 19, 874-83	3.6	45
30	Metacaspases versus caspases in development and cell fate regulation. *Cell Death and Differentiation*, **2017**, 24, 1314-1325	12.7	44
29	Autophagy mediates caloric restriction-induced lifespan extension in Arabidopsis. *Aging Cell*, **2013**, 12, 327-9	9.9	43
28	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. *Molecular Cell*, **2020**, 77, 927-929	17.6	35
27	Localization of Poa semilatent virus cysteine-rich protein in peroxisomes is dispensable for its ability to suppress RNA silencing. *Journal of General Virology*, **2005**, 86, 479-489	4.9	31
26	Vacuolar cell death in plants: Metacaspase releases the brakes on autophagy. *Autophagy*, **2014**, 10, 928-9	10.2	30
25	The caspase-related protease separase (extra spindle poles) regulates cell polarity and cytokinesis in Arabidopsis. *Plant Cell*, **2013**, 25, 2171-86	11.6	30
24	Organelles maintain spindle position in plant meiosis. *Nature Communications*, **2015**, 6, 6492	17.4	26
23	Remove, Recycle, Degrade: Regulating Plasma Membrane Protein Accumulation. *Plant Cell*, **2019**, 31, 2833-2854	11.6	20
22	Subcellular localization and self-interaction of plant-specific Nt-4/1 protein. *Biochimie*, **2013**, 95, 1360-70	4.6	20

21	Oil crops for the future. *Current Opinion in Plant Biology*, **2020**, 56, 181-189	9.9	19
20	Autophagy in turnover of lipid stores: trans-kingdom comparison. *Journal of Experimental Botany*, **2018**, 69, 1301-1311	7	19
19	Limited and digestive proteolysis: crosstalk between evolutionary conserved pathways. *New Phytologist*, **2017**, 215, 958-964	9.8	14
18	Chemical Screening Pipeline for Identification of Specific Plant Autophagy Modulators. *Plant Physiology*, **2019**, 181, 855-866	6.6	14
17	Oligomerization of the potato virus X 25-kD movement protein. *Biochemistry (Moscow)*, **2008**, 73, 50-5	2.9	11
16	Orthologues of a plant-specific At-4/1 gene in the genus Nicotiana and the structural properties of bacterially expressed 4/1 protein. *Biochimie*, **2011**, 93, 1770-8	4.6	9
15	EXTRA SPINDLE POLES (Separase) controls anisotropic cell expansion in Norway spruce (Picea abies) embryos independently of its role in anaphase progression. *New Phytologist*, **2016**, 212, 232-43	9.8	9
14	Detection and measurement of necrosis in plants. *Methods in Molecular Biology*, **2013**, 1004, 229-48	1.4	8
13	Transcriptome analysis of embryonic domains in Norway spruce reveals potential regulators of suspensor cell death. *PLoS ONE*, **2018**, 13, e0192945	3.7	8
12	The homolog of Scc4/MAU2 is essential for embryogenesis. *Journal of Cell Science*, **2017**, 130, 1051-1063	5.3	7
11	Subcellular localization of the new plant protein 4/1 and analysis of heterologous protein-protein interactions indicate its ability for nuclear-cytoplasmic transport. *Doklady Biochemistry and Biophysics*, **2009**, 429, 296-300	0.8	6
10	Suppression of Metacaspase- and Autophagy-Dependent Cell Death Improves Stress-Induced Microspore Embryogenesis in Brassica napus. *Plant and Cell Physiology*, **2021**, 61, 2097-2110	4.9	6
9	Plant metacaspase activation and activity. *Methods in Molecular Biology*, **2014**, 1133, 237-53	1.4	5
8	Abscisic acid signaling activates distinct VND transcription factors to promote xylem differentiation in Arabidopsis. *Current Biology*, **2021**, 31, 3153-3161.e5	6.3	5
7	Immunological detection of plant protein At-4/1 capable of interaction with viral movement proteins. *Doklady Biochemistry and Biophysics*, **2006**, 411, 351-5	0.8	3
6	Subcellular Localization of Acyl-CoA: Lysophosphatidylethanolamine Acyltransferases (LPEATs) and the Effects of Knocking-Out and Overexpression of Their Genes on Autophagy Markers Level and Life Span of. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
5	Apoptosis is not conserved in plants as revealed by critical examination of a model for plant apoptosis-like cell death. *BMC Biology*, **2021**, 19, 100	7.3	3
4	Self-ubiquitination of a pathogen type-III effector traps and blocks the autophagy machinery to promote disease		2

3	Bipartite influence of abscisic acid on xylem differentiation trajectories is dependent on distinct VND transcription factors in Arabidopsis	1
2	Tandem Tag Assay Optimized for Semi-automated Autophagic Activity Measurement in roots. *Bio-protocol*, **2020**, 10, e3535	0.9
1	The Arabidopsis homolog of Scc4/MAU2 is essential for embryogenesis. *Development (Cambridge)*, **2017**, 144, e1.2-e1.2	6.6