Elena A Minina

List of Publications by Year
in descending order

37	6,301	304368	315357
papers	citations	22 h-index	38 g-index

48	48	48	15841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Tudor staphylococcal nuclease is an evolutionarily conserved component of the programmed cell death degradome. Nature Cell Biology, 2009, 11, 1347-1354.	4.6	192
3	Autophagy and metacaspase determine the mode of cell death in plants. Journal of Cell Biology, 2013, 203, 917-927.	2.3	142
4	Autophagy as initiator or executioner of cell death. Trends in Plant Science, 2014, 19, 692-697.	4.3	137
5	Transcriptional stimulation of rate-limiting components of the autophagic pathway improves plant fitness. Journal of Experimental Botany, 2018, 69, 1415-1432.	2.4	120
6	Bacteria Exploit Autophagy for Proteasome Degradation and Enhanced Virulence in Plants. Plant Cell, 2018, 30, 668-685.	3.1	106
7	Autophagy-related approaches for improving nutrient use efficiency and crop yield protection. Journal of Experimental Botany, 2018, 69, 1335-1353.	2.4	97
8	Metacaspases versus caspases in development and cell fate regulation. Cell Death and Differentiation, 2017, 24, 1314-1325.	5.0	75
9	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	4.5	71
10	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, 874-883.	1.4	50
11	Autophagy mediates caloric restrictionâ€induced lifespan extension in Arabidopsis. Aging Cell, 2013, 12, 327-329.	3.0	49
12	Remove, Recycle, Degrade: Regulating Plasma Membrane Protein Accumulation. Plant Cell, 2019, 31, 2833-2854.	3.1	47
13	The Caspase-Related Protease Separase (EXTRA SPINDLE POLES) Regulates Cell Polarity and Cytokinesis inArabidopsisÂ Â. Plant Cell, 2013, 25, 2171-2186.	3.1	40
14	Oil crops for the future. Current Opinion in Plant Biology, 2020, 56, 181-189.	3.5	38
15	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.	1.3	37
16	Organelles maintain spindle position in plant meiosis. Nature Communications, 2015, 6, 6492.	5.8	37
17	Abscisic acid signaling activates distinct VND transcription factors to promote xylem differentiation in Arabidopsis. Current Biology, 2021, 31, 3153-3161.e5.	1.8	36
18	A bacterial effector counteracts host autophagy by promoting degradation of an autophagy component. EMBO Journal, 2022, 41, .	3.5	36

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19	Vacuolar cell death in plants. Autophagy, 2014, 10, 928-929.	4.3	35
20	Limited and digestive proteolysis: crosstalk between evolutionary conserved pathways. New Phytologist, 2017, 215, 958-964.	3.5	27
21	Subcellular localization and self-interaction of plant-specific Nt-4/1 protein. Biochimie, 2013, 95, 1360-1370.	1.3	26
22	Autophagy in turnover of lipid stores: trans-kingdom comparison. Journal of Experimental Botany, 2018, 69, 1301-1311.	2.4	25
23	Chemical Screening Pipeline for Identification of Specific Plant Autophagy Modulators. Plant Physiology, 2019, 181, 855-866.	2.3	23
24	Transcriptome analysis of embryonic domains in Norway spruce reveals potential regulators of suspensor cell death. PLoS ONE, 2018, 13, e0192945.	1.1	17
25	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.	1.7	15
26	Oligomerization of the potato virus X 25-kD movement protein. Biochemistry (Moscow), 2008, 73, 50-55.	0.7	14
27	Suppression of Metacaspase- and Autophagy-Dependent Cell Death Improves Stress-Induced Microspore Embryogenesis in Brassica napus. Plant and Cell Physiology, 2021, 61, 2097-2110.	1.5	14
28	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, 1770-1778.	1.3	11
29	Detection and Measurement of Necrosis in Plants. Methods in Molecular Biology, 2013, 1004, 229-248.	0.4	11
30	<scp>EXTRA SPINDLE POLES</scp> (Separase) controls anisotropic cell expansion in Norway spruce (Picea abies) embryos independently of its role in anaphase progression. New Phytologist, 2016, 212, 232-243.	3.5	11
31	Arabidopsis homologue of Scc4/MAU2 is essential for plant embryogenesis. Journal of Cell Science, 2017, 130, 1051-1063.	1.2	10
32	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.	0.3	8
33	Plant Metacaspase Activation and Activity. Methods in Molecular Biology, 2014, 1133, 237-253.	0.4	7
34	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 A. thaliana. International Journal of Molecular Sciences, 2021, 22, 3006.	1.8	6
35	Immunological detection of plant protein At-4/1 capable of interaction with viral movement proteins. Doklady Biochemistry and Biophysics, 2006, 411, 351-355.	0.3	4
36	The Arabidopsis homolog of Scc4/MAU2 is essential for embryogenesis. Development (Cambridge), 2017, 144, e1.2-e1.2.	1.2	0

#	Article	IF	Citations
37	Tandem Tag Assay Optimized for Semi-automated in vivo Autophagic Activity Measurement in Arabidopsis thaliana roots. Bio-protocol, 2020, 10, e3535.	0.2	0