Martin Hartmut Schattat

List of Publications by Citations

23 papers	764 citations	14 h-index	27 g-index
27 ext. papers	1,116 ext. citations	9.2 avg, IF	4.03 L-index

#	Paper	IF	Citations
23	Using intron position conservation for homology-based gene prediction. *Nucleic Acids Research*, **2016**, 44, e89	20.1	186
22	Plastid stromule branching coincides with contiguous endoplasmic reticulum dynamics. *Plant Physiology*, **2011**, 155, 1667-77	6.6	104
21	Dynein motion switches from diffusive to directed upon cortical anchoring. *Cell*, **2013**, 153, 1526-36	56.2	62
20	Differential coloring reveals that plastids do not form networks for exchanging macromolecules. *Plant Cell*, **2012**, 24, 1465-77	11.6	60
19	In vivo transport of folded EGFP by the DeltapH/TAT-dependent pathway in chloroplasts of Arabidopsis thaliana. *Journal of Experimental Botany*, **2004**, 55, 1697-706	7	51
18	Correlated behavior implicates stromules in increasing the interactive surface between plastids and ER tubules. *Plant Signaling and Behavior*, **2011**, 6, 715-8	2.5	32
17	Epidermal Pavement Cells of Arabidopsis Have Chloroplasts. *Plant Physiology*, **2016**, 171, 723-6	6.6	32
16	The myth of interconnected plastids and related phenomena. *Protoplasma*, **2015**, 252, 359-71	3.4	30
15	Induction of stromule formation by extracellular sucrose and glucose in epidermal leaf tissue of Arabidopsis thaliana. *BMC Plant Biology*, **2011**, 11, 115	5.3	30
14	The Xanthomonas effector XopL uncovers the role of microtubules in stromule extension and dynamics in Nicotiana benthamiana. *Plant Journal*, **2018**, 93, 856-870	6.9	27
13	Plastid-Nucleus Distance Alters the Behavior of Stromules. *Frontiers in Plant Science*, **2017**, 8, 1135	6.2	25
12	Simultaneous analysis of apolar phytohormones and 1-aminocyclopropan-1-carboxylic acid by high performance liquid chromatography/electrospray negative ion tandem mass spectrometry via 9-fluorenylmethoxycarbonyl chloride derivatization. *Journal of Chromatography A*, **2014**, 1362, 102-9	4.5	22
11	New insights on stromules: stroma filled tubules extended by independent plastids. *Plant Signaling and Behavior*, **2012**, 7, 1132-7	2.5	15
10	Color recovery after photoconversion of H2B::mEosFP allows detection of increased nuclear DNA content in developing plant cells. *Plant Physiology*, **2012**, 158, 95-106	6.6	15
9	Host-interactor screens of Phytophthora infestans RXLR proteins reveal vesicle trafficking as a major effector-targeted process. *Plant Cell*, **2021**, 33, 1447-1471	11.6	13
8	Mangroves in the Leaves: Anatomy, Physiology, and Immunity of Epithemal Hydathodes. *Annual Review of Phytopathology*, **2019**, 57, 91-116	10.8	12
7	Chloroplasts alter their morphology and accumulate at the pathogen interface during infection by Phytophthora infestans		12

List of Publications

6	Shaping plastid stromules-principles of in vitro membrane tubulation applied in planta. *Current Opinion in Plant Biology*, **2018**, 46, 48-54	9.9	10
5	Fluorescent protein flow within stromules. *Plant Cell*, **2013**, 25, 2771-2	11.6	10
4	Green-to-red photoconvertible mEosFP-aided live imaging in plants. *Methods in Enzymology*, **2012**, 504, 163-81	1.7	7
3	A novel vector for efficient gene silencing in plants. *Plant Molecular Biology Reporter*, **2004**, 22, 145-153	1.7	5
2	Chloroplasts alter their morphology and accumulate at the pathogen interface during infection by Phytophthora infestans. *Plant Journal*, **2021**, 107, 1771-1787	6.9	3
1	Host-interactor screens of Phytophthora infestans RXLR proteins reveal vesicle trafficking as a major effector-targeted process		1