

Norbert C A De Ruijter

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,666
citations

279778

23
h-index

414395

32
g-index

37
all docs

37
docs citations

37
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological Effects of the Synthetic Strigolactone Analog GR24 on Root System Architecture in Arabidopsis: Another Belowground Role for Strigolactones? <i>Plant Physiology</i> , 2011, 155, 721-734.	4.8	534
2	The role of actin in root hair morphogenesis: studies with lipochito-oligosaccharide as a growth stimulator and cytochalasin as an actin perturbing drug. <i>Plant Journal</i> , 1999, 17, 141-154.	5.7	273
3	Single Nucleus Genome Sequencing Reveals High Similarity among Nuclei of an Endomycorrhizal Fungus. <i>PLoS Genetics</i> , 2014, 10, e1004078.	3.5	238
4	Positioning of Nuclei in Arabidopsis Root Hairs. <i>Plant Cell</i> , 2002, 14, 2941-2955.	6.6	208
5	Unstable F-Actin Specifies the Area and Microtubule Direction of Cell Expansion in Arabidopsis Root Hairs. <i>Plant Cell</i> , 2003, 15, 285-292.	6.6	164
6	Grab a Golgi: Laser Trapping of Golgi Bodies Reveals <i>in vivo</i> Interactions with the Endoplasmic Reticulum. <i>Traffic</i> , 2009, 10, 567-571.	2.7	150
7	Lipochito-oligosaccharides re-initiate root hair tip growth in <i>Vicia sativa</i> with high calcium and spectrin-like antigen at the tip. <i>Plant Journal</i> , 1998, 13, 341-350.	5.7	145
8	Shear-induced structuring as a tool to make anisotropic materials using soy protein concentrate. <i>Journal of Food Engineering</i> , 2016, 188, 77-86.	5.2	105
9	Rhizobium Nod Factors Induce an Increase in Sub-apical Fine Bundles of Actin Filaments in <i>Vicia sativa</i> Root Hairs within Minutes. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 829-832.	2.6	85
10	Transient production of artemisinin in <i>Nicotiana benthamiana</i> is boosted by a specific lipid transfer protein from <i>A. annua</i> . <i>Metabolic Engineering</i> , 2016, 38, 159-169.	7.0	84
11	From signal to form: aspects of the cytoskeleton-plasma membrane cell wall continuum in root hair tips. <i>Journal of Experimental Botany</i> , 1997, 48, 1881-1896.	4.8	80
12	Evaluation and Comparison of the GUS, LUC and GFP Reporter System for Gene Expression Studies in Plants. <i>Plant Biology</i> , 2003, 5, 103-115.	3.8	79
13	Time Course of Cell Biological Events Evoked in Legume Root Hairs by Rhizobium Nod Factors: State of the Art. <i>Annals of Botany</i> , 2001, 87, 289-302.	2.9	76
14	Chemical changes and increased degradability of wheat straw and oak wood chips treated with the white rot fungi <i>Ceriporiopsis subvermispora</i> and <i>Lentinula edodes</i> . <i>Biomass and Bioenergy</i> , 2017, 105, 381-391.	5.7	40
15	Isozymes as biochemical and cytochemical markers in embryogenic callus cultures of maize (<i>Zea mays</i>) Tj ETQq1 1 0,784314,rgBT /Over	5.6	39
16	Stacks off tracks: a role for the golgin AtCASP in plant endoplasmic reticulum-Golgi apparatus tethering. <i>Journal of Experimental Botany</i> , 2017, 68, 3339-3350.	4.8	36
17	Immunodetection of spectrin antigens in plant cells. <i>Cell Biology International</i> , 1993, 17, 169-182.	3.0	33
18	Effects of Systematic Variation in Size and Surface Coating of Silver Nanoparticles on Their In Vitro Toxicity to Macrophage RAW 264.7 Cells. <i>Toxicological Sciences</i> , 2018, 162, 79-88.	3.1	33

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19	Actin and myosin regulate cytoplasm stiffness in plant cells: a study using optical tweezers. <i>New Phytologist</i> , 2010, 185, 90-102.	7.3	31
20	Different crystal morphologies lead to slightly different conformations of light-harvesting complex II as monitored by variations of the intrinsic fluorescence lifetime. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12614.	2.8	30
21	SPECTRIN-LIKE PROTEINS IN GREEN ALGAE (DESMIDIACEAE). <i>Cell Biology International</i> , 1999, 23, 335-344.	3.0	29
22	Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019, 223, 1607-1620.	7.3	29
23	Structural observations during androgenic microspore culture of the 4c1 genotype of <i>Zea mays</i> L.. <i>Euphytica</i> , 1992, 65, 61-69.	1.2	26
24	SPECTRIN-LIKE PROTEINS IN PLANT NUCLEI. <i>Cell Biology International</i> , 2000, 24, 427-438.	3.0	24
25	Immunocytological and biochemical analysis of the mode of action of bis (tri-n-butyltin) tri-oxide (TBTO) in Jurkat cells. <i>Toxicology Letters</i> , 2012, 212, 126-136.	0.8	18
26	Actin Organization During Eucalyptus Root Hair Development and Its Response to Fungal Hypaphorine. <i>Plant Biology</i> , 2006, 8, 204-211.	3.8	16
27	The Root Hair Actin Cytoskeleton as Backbone, Highway, Morphogenetic Instrument and Target for Signalling. , 2000, , 29-52.		13
28	A generic microfluidic biosensor of G protein-coupled receptor activation monitoring cytoplasmic [Ca ²⁺] changes in human HEK293 cells. <i>Biosensors and Bioelectronics</i> , 2013, 47, 436-444.	10.1	11
29	Live Imaging of embryogenic structures in <i>Brassica napus</i> microspore embryo cultures highlights the developmental plasticity of induced totipotent cells. <i>Plant Reproduction</i> , 2020, 33, 143-158.	2.2	11
30	Actin: A Target of Signal Transduction in Root Hairs. , 2000, , 373-390.		8
31	Asexual and sexual reproduction are two separate developmental pathways in a <i>Termitomyces</i> species. <i>Biology Letters</i> , 2020, 16, 20200394.	2.3	7
32	Optical Trapping in Plant Cells. <i>Methods in Molecular Biology</i> , 2014, 1080, 259-265.	0.9	4
33	Calcium Imaging of GPCR Activation Using Arrays of Reverse Transfected HEK293 Cells in a Microfluidic System. <i>Sensors</i> , 2018, 18, 602.	3.8	2
34	Optical Trapping in Plant Cells. <i>Methods in Molecular Biology</i> , 2019, 1992, 231-238.	0.9	0
35	Apical Spectrin Like Protein And Subapical Fine Bundles Of Actin Filaments Correlate With Plant Cell Tip Growth. <i>Cellular and Molecular Biology Letters</i> , 2001, 6, 197.	7.0	0