David G Robinson

List of Publications by Year
in descending order

88 papers	7,701 citations	47006 47 h-index	51608 86 g-index
89 all docs	89 docs citations	89 times ranked	5124 citing authors

#	Article	IF	Citations
1	A rich and bountiful harvest: Key discoveries in plant cell biology. Plant Cell, 2022, 34, 53-71.	6.6	7
2	Debunking a myth: plant consciousness. Protoplasma, 2021, 258, 459-476.	2.1	35
3	Anesthetics and plants: no pain, no brain, and therefore no consciousness. Protoplasma, 2021, 258, 239-248.	2.1	15
4	Integrated information theory does not make plant consciousness more convincing. Biochemical and Biophysical Research Communications, 2021, 564, 166-169.	2.1	7
5	Plants have neither synapses nor a nervous system. Journal of Plant Physiology, 2021, 263, 153467.	3.5	8
6	Understanding plant behavior: a student perspective: response to Van Volkenburgh et al.. Trends in Plant Science, 2021, 26, 1089-1090.	8.8	2
7	Reply to Trewavas et al. and Calvo and Trewavas. Trends in Plant Science, 2020, 25, 218-220.	8.8	15
8	EMAC, Retromer, and VSRs: do they connect?. Protoplasma, 2020, 257, 1725-1729.	2.1	8
9	Plant Golgi ultrastructure. Journal of Microscopy, 2020, 280, 111-121.	1.8	21
10	A Model for ERD2 Function in Higher Plants. Frontiers in Plant Science, 2020, 11, 343.	3.6	14
11	Plants Neither Possess nor Require Consciousness. Trends in Plant Science, 2019, 24, 677-687.	8.8	75
12	Retromer and VSR Recycling: A Red Herring?. Plant Physiology, 2018, 176, 483-484.	4.8	9
13	Auxin and Vesicle Traffic. Plant Physiology, 2018, 176, 1884-1888.	4.8	8
14	Turnover of Tonoplast Proteins. Plant Physiology, 2018, 177, 10-11.	4.8	5
15	Receptor-mediated sorting of soluble vacuolar proteins: myths, facts, and a new model. Journal of Experimental Botany, 2016, 67, 4435-4449.	4.8	47
16	Unconventional protein secretion in plants: a critical assessment. Protoplasma, 2016, 253, 31-43.	2.1	96
17	Vesicles versus Tubes: Is Endoplasmic Reticulum-Golgi Transport in Plants Fundamentally Different from Other Eukaryotes?. Plant Physiology, 2015, 168, 393-406.	4.8	80
18	EXPO and Autophagosomes are Distinct Organelles in Plants. Plant Physiology, 2015, 169, pp.00953.2015.	4.8	43

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19	Endocytosis: Is There Really a Recycling from Late Endosomes?. Molecular Plant, 2015, 8, 1554-1556.	8.3	4
20	Exo70E2 is essential for exocyst subunit recruitment and EXPO formation in both plants and animals. Molecular Biology of the Cell, 2014, 25, 412-426.	2.1	71
21	Trafficking of Vacuolar Sorting Receptors: New Data and New Problems. Plant Physiology, 2014, 165, 1417-1423.	4.8	15
22	Receptor-mediated transport of vacuolar proteins: a critical analysis and a new model. Protoplasma, 2014, 251, 247-264.	2.1	25
23	Clathrin and post-Golgi trafficking: a very complicated issue. Trends in Plant Science, 2014, 19, 134-139.	8.8	83
24	Arabidopsis p24Î´5 and p24Î´9 facilitate Coat Protein Iâ€dependent transport of the K/<scp>HDEL</scp> receptor <scp>ERD</scp>2 from the Golgi to the endoplasmic reticulum. Plant Journal, 2014, 80, 1014-1030.	5.7	27
25	The C2-domain protein QUIRKY and the receptor-like kinase STRUBBELIG localize to plasmodesmata and mediate tissue morphogenesis in <i>Arabidopsis thaliana</i>. Development (Cambridge), 2014, 141, 4139-4148.	2.5	88
26	Retention mechanisms for ER and Golgi membrane proteins. Trends in Plant Science, 2014, 19, 508-515.	8.8	83
27	Sorting nexins 1 and 2a locate mainly to the TGN. Protoplasma, 2013, 250, 235-240.	2.1	32
28	Successful transport to the vacuole of heterologously expressed mung bean 8S globulin occurs in seed but not in vegetative tissues. Journal of Experimental Botany, 2013, 64, 1587-1601.	4.8	9
29	Putative p24 complexes in Arabidopsis contain members of the delta and beta subfamilies and cycle in the early secretory pathway. Journal of Experimental Botany, 2013, 64, 3147-3167.	4.8	18
30	Comparison of Membrane Targeting Strategies for the Accumulation of the Human Immunodeficiency Virus p24 Protein in Transgenic Tobacco. International Journal of Molecular Sciences, 2013, 14, 13241-13265.	4.1	6
31	ER Import Sites and Their Relationship to ER Exit Sites: A New Model for Bidirectional ER-Golgi Transport in Higher Plants. Frontiers in Plant Science, 2012, 3, 143.	3.6	35
32	Coupled transport of Arabidopsis p24 proteins at the ERâ€"Golgi interface. Journal of Experimental Botany, 2012, 63, 4243-4261.	4.8	41
33	Storage globulins pass through the Golgi apparatus and multivesicular bodies in the absence of dense vesicle formation during early stages of cotyledon development in mung bean. Journal of Experimental Botany, 2012, 63, 1367-1380.	4.8	23
34	Unconventional protein secretion. Trends in Plant Science, 2012, 17, 606-615.	8.8	147
35	Trying to make sense of retromer. Trends in Plant Science, 2012, 17, 431-439.	8.8	44
36	Ubiquitin initiates sorting of Golgi and plasma membrane proteins into the vacuolar degradation pathway. BMC Plant Biology, 2012, 12, 164.	3.6	62

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37	Secretory Pathway Research: The More Experimental Systems the Better. Plant Cell, 2012, 24, 1316-1326.	6.6	39
38	Multivesicular Bodies Mature from the <i>Trans</i>-Golgi Network/Early Endosome in <i>Arabidopsis</i> Â. Plant Cell, 2011, 23, 3463-3481.	6.6	236
39	Production of monoclonal antibodies with a controlled<i>N</i>â€glycosylation pattern in seeds of<i>Arabidopsis thaliana</i>. Plant Biotechnology Journal, 2011, 9, 179-192.	8.3	50
40	An Exo2 Derivative Affects ER and Golgi Morphology and Vacuolar Sorting in a Tissueâ€Specific Manner in <i>Arabidopsis</i>. Traffic, 2011, 12, 1552-1562.	2.7	12
41	Vacuolar Sorting Receptor (VSR) Proteins Reach the Plasma Membrane in Germinating Pollen Tubes. Molecular Plant, 2011, 4, 845-853.	8.3	47
42	EXPO, an Exocyst-Positive Organelle Distinct from Multivesicular Endosomes and Autophagosomes, Mediates Cytosol to Cell Wall Exocytosis in<i>Arabidopsis</i>and Tobacco Cells Â. Plant Cell, 2011, 22, 4009-4030.	6.6	229
43	An epichromatin epitope: Persistence in the cell cycle and conservation in evolution. Nucleus, 2011, 2, 47-60.	2.2	23
44	Is the 6 kDa tobacco etch viral protein a bona fide ERES marker?. Journal of Experimental Botany, 2011, 62, 5013-5023.	4.8	30
45	Differential effects of the brefeldin A analogue (6R)-hydroxy-BFA in tobacco and Arabidopsis. Journal of Experimental Botany, 2011, 62, 2949-2957.	4.8	55
46	An epichromatin epitope: persistence in the cell cycle and conservation in evolution. Nucleus, 2011, 2, 47-60.	2.2	20
47	Special review issue. Protoplasma, 2010, 247, 129-130.	2.1	0
48	Retromer recycles vacuolar sorting receptors from the<i>trans</i>-Golgi network. Plant Journal, 2010, 61, 107-121.	5.7	115
49	Sorting of plant vacuolar proteins is initiated in the ER. Plant Journal, 2010, 62, 601-614.	5.7	79
50	Endocytic and Secretory Traffic in <i>Arabidopsis</i> Merge in the Trans-Golgi Network/Early Endosome, an Independent and Highly Dynamic Organelle. Plant Cell, 2010, 22, 1344-1357.	6.6	435
51	Transport vesicle formation in plant cells. Current Opinion in Plant Biology, 2009, 12, 660-669.	7.1	90
52	Oryzalin bodies: in addition to its anti-microtubule properties, the dinitroaniline herbicide oryzalin causes nodulation of the endoplasmic reticulum. Protoplasma, 2009, 236, 73-84.	2.1	24
53	Lack of a Vacuolar Sorting Receptor Leads to Non-Specific Missorting of Soluble Vacuolar Proteins in Arabidopsis Seeds. Traffic, 2008, 9, 408-416.	2.7	35
54	<i>In vivo</i> Trafficking and Localization of p24 Proteins in Plant Cells. Traffic, 2008, 9, 770-785.	2.7	74

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55	The Syntaxins SYP31 and SYP81 Control ERâ€“Golgi Trafficking in the Plant Secretory Pathway. Traffic, 2008, 9, 1629-1652.	2.7	76
56	BFA effects are tissue and not just plant specific. Trends in Plant Science, 2008, 13, 405-408.	8.8	116
57	The Endosomal System of Plants: Charting New and Familiar Territories. Plant Physiology, 2008, 147, 1482-1492.	4.8	223
58	1-Butanol targets the Golgi apparatus in tobacco BY-2 cells, but in a different way to Brefeldin A. Journal of Experimental Botany, 2007, 58, 3439-3447.	4.8	21
59	Golgi Regeneration after Brefeldin A Treatment in BY-2 Cells Entails Stack Enlargement and Cisternal Growth followed by Division. Plant Physiology, 2007, 145, 527-538.	4.8	43
60	Rice SCAMP1 Defines Clathrin-Coated, trans-Golgiâ€“Located Tubular-Vesicular Structures as an Early Endosome in Tobacco BY-2 Cells. Plant Cell, 2007, 19, 296-319.	6.6	258
61	Newly Formed Vacuoles in Root Meristems of Barley and Pea Seedlings Have Characteristics of Both Protein Storage and Lytic Vacuoles. Plant Physiology, 2007, 145, 1383-1394.	4.8	61
62	Plant neurobiology: no brain, no gain?. Trends in Plant Science, 2007, 12, 135-136.	8.8	146
63	Tracking down the elusive early endosome. Trends in Plant Science, 2007, 12, 497-505.	8.8	91
64	Membrane Dynamics in the Early Secretory Pathway. Critical Reviews in Plant Sciences, 2007, 26, 199-225.	5.7	108
65	Protein Mobilization in Germinating Mung Bean Seeds Involves Vacuolar Sorting Receptors and Multivesicular Bodies. Plant Physiology, 2007, 143, 1628-1639.	4.8	70
66	Functional diversification of closely related ARF-GEFs in protein secretion and recycling. Nature, 2007, 448, 488-492.	27.8	215
67	Localization of Vacuolar Transport Receptors and Cargo Proteins in the Golgi Apparatus of Developing Arabidopsis Embryos. Traffic, 2007, 8, 1452-1464.	2.7	73
68	Clathrin-Mediated Constitutive Endocytosis of PIN Auxin Efflux Carriers in Arabidopsis. Current Biology, 2007, 17, 520-527.	3.9	586
69	ER-to-Golgi Transport: The COPII-Pathway. Plant Cell Monographs, 2006, , 99-124.	0.4	8
70	Golgi-Mediated Vacuolar Sorting of the Endoplasmic Reticulum Chaperone BiP May Play an Active Role in Quality Control within the Secretory Pathway. Plant Cell, 2006, 18, 198-211.	6.6	99
71	Plant Retromer, Localized to the Prevacuolar Compartment and Microvesicles in Arabidopsis, May Interact with Vacuolar Sorting Receptors. Plant Cell, 2006, 18, 1239-1252.	6.6	143
72	Protein Sorting to the Storage Vacuoles of Plants: A Critical Appraisal. Traffic, 2005, 6, 615-625.	2.7	128

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73	Dynamics of COPII Vesicles and the Golgi Apparatus in Cultured<i>Nicotiana tabacum</i>BY-2 Cells Provides Evidence for Transient Association of Golgi Stacks with Endoplasmic Reticulum Exit Sites. Plant Cell, 2005, 17, 1513-1531.	6.6	131
74	Identification of Multivesicular Bodies as Prevacuolar Compartments in Nicotiana tabacum BY-2 Cells[W]. Plant Cell, 2004, 16, 672-693.	6.6	386
75	Sorting Signals in the Cytosolic Tail of Plant p24 Proteins Involved in the Interaction with the COPII Coat. Plant and Cell Physiology, 2004, 45, 1779-1786.	3.1	57
76	ArabidopsisuA-adaptin interacts with the tyrosine motif of the vacuolar sorting receptor VSR-PS1. Plant Journal, 2004, 37, 678-693.	5.7	114
77	Brefeldin A: Deciphering an Enigmatic Inhibitor of Secretion. Plant Physiology, 2002, 130, 1102-1108.	4.8	435
78	Reevaluation of the Effects of Brefeldin A on Plant Cells Using Tobacco Bright Yellow 2 Cells Expressing Golgi-Targeted Green Fluorescent Protein and COPI Antisera. Plant Cell, 2002, 14, 237-261.	6.6	329
79	Secretory Bulk Flow of Soluble Proteins Is Efficient and COPII Dependent. Plant Cell, 2001, 13, 2005-2020.	6.6	136
80	Vacuolar Storage Proteins Are Sorted in the Cis-Cisternae of the Pea Cotyledon Golgi Apparatus. Journal of Cell Biology, 2001, 152, 41-50.	5.2	144
81	In Situ Localization and in Vitro Induction of Plant COPI-Coated Vesicles. Plant Cell, 2000, 12, 2219-2235.	6.6	188
82	Saturation of the Endoplasmic Reticulum Retention Machinery Reveals Anterograde Bulk Flow. Plant Cell, 1999, 11, 2233-2247.	6.6	133
83	Golgi-mediated Transport of Seed Storage Proteins. Seed Science Research, 1999, 9, 267-283.	1.7	44
84	Arabidopsis Sec21p and Sec23p Homologs. Probable Coat Proteins of Plant COP-Coated Vesicles1. Plant Physiology, 1999, 119, 1437-1446.	4.8	89
85	One Vacuole or two Vacuoles: Do Protein Storage Vacuoles Arise de novo during Pea Cotyledon Development?. Journal of Plant Physiology, 1995, 145, 654-664.	3.5	60
86	Storage Protein Polypeptides in Clathrin Coated Vesicle Fractions from Developing Pea Cotyledons are not Due to Endomembrane Contamination. Journal of Plant Physiology, 1991, 138, 309-316.	3.5	17
87	Subcellular localization of nuclease in barley aleurone. Physiologia Plantarum, 1991, 83, 255-264.	5.2	7
88	Anti-microtubular herbicides and fungicides affect Ca2+ transport in plant mitochondria. Planta, 1980, 149, 336-340.	3.2	64