GrÃ©gory A Vert

List of Publications by Year
in descending order

48 papers	7,044 citations	147801 31 h-index	197818 49 g-index
80 all docs	80 docs citations	80 times ranked	6247 citing authors

#	Article	IF	Citations
1	The many facets of protein ubiquitination and degradation in plant root iron-deficiency responses. Journal of Experimental Botany, 2021, 72, 2071-2082.	4.8	28
2	Endocytosis in plants: Peculiarities and roles in the regulated trafficking of plant metal transporters. Biology of the Cell, 2021, 113, 1-13.	2.0	19
3	A quick journey into the diversity of iron uptake strategies in photosynthetic organisms. Plant Signaling and Behavior, 2021, 16, 1975088.	2.4	11
4	Regulation of Root Nutrient Transporters by CIPK23: â€˜One Kinase to Rule Them Allâ€™. Plant and Cell Physiology, 2021, 62, 553-563.	3.1	26
5	Advanced Cataloging of Lysine-63 Polyubiquitin Networks by Genomic, Interactome, and Sensor-Based Proteomic Analyses. Plant Cell, 2020, 32, 123-138.	6.6	34
6	Dynamic Control of the High-Affinity Iron Uptake Complex in Root Epidermal Cells. Plant Physiology, 2020, 184, 1236-1250.	4.8	68
7	Endocytosis of BRASSINOSTEROID INSENSITIVE1 Is Partly Driven by a Canonical Tyr-Based Motif. Plant Cell, 2020, 32, 3598-3612.	6.6	30
8	Experimental toolbox for quantitative evaluation of clathrin-mediated endocytosis in the plant model Arabidopsis. Journal of Cell Science, 2020, 133, .	2.0	17
9	Plant Cell Signaling: SUMO Is under the Influence of Steroids and Salt. Current Biology, 2020, 30, R342-R344.	3.9	1
10	The bifunctional transporterâ€receptor <scp>IRT</scp>1 at the heart of metal sensing and signalling. New Phytologist, 2019, 223, 1173-1178.	7.3	42
11	Metal Sensing by the IRT1 Transporter-Receptor Orchestrates Its Own Degradation and Plant Metal Nutrition. Molecular Cell, 2018, 69, 953-964.e5.	9.7	231
12	Proteasomeâ€independent functions of lysineâ€63 polyubiquitination in plants. New Phytologist, 2018, 217, 995-1011.	7.3	53
13	Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. Plant Cell, 2018, 30, 2573-2593.	6.6	16
14	Brassinosteroid signaling-dependent root responses to prolonged elevated ambient temperature. Nature Communications, 2017, 8, 309.	12.8	102
15	Zooming into plant ubiquitin-mediated endocytosis. Current Opinion in Plant Biology, 2017, 40, 56-62.	7.1	26
16	Single Event Resolution of Plant Plasma Membrane Protein Endocytosis by TIRF Microscopy. Frontiers in Plant Science, 2017, 8, 612.	3.6	36
17	Probing Activation and Deactivation of the BRASSINOSTEROID INSENSITIVE1 Receptor Kinase by Immunoprecipitation. Methods in Molecular Biology, 2017, 1564, 169-180.	0.9	0
18	A versatile Multisite Gatewayâ€compatible promoter and transgenic line collection for cell typeâ€specific functional genomics in Arabidopsis. Plant Journal, 2016, 85, 320-333.	5.7	116

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19	Tissue-Specific Regulation of Gibberellin Signaling Fine-Tunes Arabidopsis Iron-Deficiency Responses. Developmental Cell, 2016, 37, 190-200.	7.0	104
20	Unraveling K63 Polyubiquitination Networks by Sensor-Based Proteomics. Plant Physiology, 2016, 171, 1808-1820.	4.8	53
21	Brassinosteroid signaling and BRI1 dynamics went underground. Current Opinion in Plant Biology, 2016, 33, 92-100.	7.1	58
22	Internalization and vacuolar targeting of the brassinosteroid hormone receptor BRI1 are regulated by ubiquitination. Nature Communications, 2015, 6, 6151.	12.8	143
23	Getting to the root of plant iron uptake and cell-cell transport: Polarity matters!. Communicative and Integrative Biology, 2015, 8, e1038441.	1.4	12
24	Regulation of Iron Uptake by IRT1: Endocytosis Pulls the Trigger. Molecular Plant, 2015, 8, 977-979.	8.3	16
25	The dynamics of plant plasma membrane proteins: PINs and beyond. Development (Cambridge), 2014, 141, 2924-2938.	2.5	128
26	Polarization of IRON-REGULATED TRANSPORTER 1 (IRT1) to the plant-soil interface plays crucial role in metal homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8293-8298.	7.1	229
27	Plant Nutrition: Root Transporters on the Move. Plant Physiology, 2014, 166, 500-508.	4.8	33
28	Iron transport in plants: better be safe than sorry. Current Opinion in Plant Biology, 2013, 16, 322-327.	7.1	163
29	Arabidopsis bHLH100 and bHLH101 Control Iron Homeostasis via a FIT-Independent Pathway. PLoS ONE, 2012, 7, e44843.	2.5	190
30	Brassinosteroids, gibberellins and light-mediated signalling are the three-way controls of plant sprouting. Nature Cell Biology, 2012, 14, 788-790.	10.3	36
31	Crosstalk in Cellular Signaling: Background Noise or the Real Thing?. Developmental Cell, 2011, 21, 985-991.	7.0	122
32	Proteasomeâ€mediated turnover of the transcriptional activator FIT is required for plant ironâ€deficiency responses. Plant Journal, 2011, 66, 1044-1052.	5.7	112
33	Ubiquitination of transporters at the forefront of plant nutrition. Plant Signaling and Behavior, 2011, 6, 1597-1599.	2.4	14
34	The FRD3 Citrate Effluxer Promotes Iron Nutrition between Symplastically Disconnected Tissues throughout Arabidopsis Development. Plant Cell, 2011, 23, 2725-2737.	6.6	147
35	Monoubiquitin-dependent endocytosis of the IRON-REGULATED TRANSPORTER 1 (IRT1) transporter controls iron uptake in plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E450-8.	7.1	406
36	Arabidopsis IRT2 cooperates with the high-affinity iron uptake system to maintain iron homeostasis in root epidermal cells. Planta, 2009, 229, 1171-1179.	3.2	161

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37	Chemical Inhibition of a Subset of Arabidopsis thaliana GSK3-like Kinases Activates Brassinosteroid Signaling. Chemistry and Biology, 2009, 16, 594-604.	6.0	240
38	A Toggle Switch in Plant Nitrate Uptake. Cell, 2009, 138, 1064-1066.	28.9	24
39	Cytokinins negatively regulate the root iron uptake machinery in Arabidopsis through a growthâ€dependent pathway. Plant Journal, 2008, 55, 289-300.	5.7	188
40	Plant Signaling: Brassinosteroids, Immunity and Effectors Are BAK !. Current Biology, 2008, 18, R963-R965.	3.9	21
41	Integration of auxin and brassinosteroid pathways by Auxin Response Factor 2. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9829-9834.	7.1	350
42	Downstream nuclear events in brassinosteroid signalling. Nature, 2006, 441, 96-100.	27.8	353
43	A Putative Function for the Arabidopsis Feâ€“Phytosiderophore Transporter Homolog AtYSL2 in Fe and Zn Homeostasis. Plant and Cell Physiology, 2005, 46, 762-774.	3.1	163
44	MOLECULAR MECHANISMS OF STEROID HORMONE SIGNALING IN PLANTS. Annual Review of Cell and Developmental Biology, 2005, 21, 177-201.	9.4	369
45	Nuclear protein phosphatases with Kelch-repeat domains modulate the response to brassinosteroids in Arabidopsis. Genes and Development, 2004, 18, 448-460.	5.9	341
46	Dual Regulation of the Arabidopsis High-Affinity Root Iron Uptake System by Local and Long-Distance Signals. Plant Physiology, 2003, 132, 796-804.	4.8	262
47	IRT1, an Arabidopsis Transporter Essential for Iron Uptake from the Soil and for Plant Growth. Plant Cell, 2002, 14, 1223-1233.	6.6	1,464
48	Arabidopsis IRT2 gene encodes a root-periphery iron transporter. Plant Journal, 2001, 26, 181-189.	5.7	272