Rumen Ivanov

List of Publications by Year
in descending order

37 papers	1,617 citations	394421 19 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1789 citing authors

#	Article	IF	Citations
1	Reactive oxygen species coordinate the transcriptional responses to iron availability in Arabidopsis. Journal of Experimental Botany, 2021, 72, 2181-2195.	4.8	16
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	Organic nitrogen nutrition: LHT1.2 protein from hybrid aspen (<i>Populus tremula L. x tremuloides</i>) Tj ETQq1 1 0.784314 rgBT /Over 2021, 41, 1479-1496.	3.1	9
4	Fe acquisition at the crossroad of calcium and reactive oxygen species signaling. Current Opinion in Plant Biology, 2021, 63, 102048.	7.1	14
5	Phosphoâ€mutant activity assays provide evidence for alternative phosphoâ€regulation pathways of the transcription factor <scp>FERâ€LIKE IRON DEFICIENCYâ€INDUCED TRANSCRIPTION FACTOR</scp>. New Phytologist, 2020, 225, 250-267.	7.3	22
6	Availability of soil iron determines the distribution strategy and seed iron content in mungbean (Vigna radiata) plants. Plant and Soil, 2020, 446, 413-423.	3.7	5
7	EMAC, Retromer, and VSRs: do they connect?. Protoplasma, 2020, 257, 1725-1729.	2.1	8
8	Phylogenetic analysis of plant multi-domain SEC14-like phosphatidylinositol transfer proteins and structureâ€"function properties of PATELLIN2. Plant Molecular Biology, 2020, 104, 665-678.	3.9	14
9	The Nutrient Response Transcriptional Regulome of Arabidopsis. IScience, 2019, 19, 358-368.	4.1	32
10	Orphan crops at the food for future conference. Planta, 2019, 250, 1005-1010.	3.2	1
11	CIPK11-Dependent Phosphorylation Modulates FIT Activity to Promote Arabidopsis Iron Acquisition in Response to Calcium Signaling. Developmental Cell, 2019, 48, 726-740.e10.	7.0	89
12	Calcium-Promoted Interaction between the C2-Domain Protein EHB1 and Metal Transporter IRT1 Inhibits Arabidopsis Iron Acquisition. Plant Physiology, 2019, 180, 1564-1581.	4.8	33
13	Mobility and localization of the iron deficiencyâ€induced transcription factor bHLH039 change in the presence of FIT. Plant Direct, 2019, 3, e00190.	1.9	33
14	The retromer, sorting nexins and the plant endomembrane protein trafficking. Journal of Cell Science, 2018, 131, .	2.0	58
15	SNX1-mediated protein recycling: Piecing together the tissue-specific regulation of arabidopsis iron acquisition. Plant Signaling and Behavior, 2018, 13, e1411451.	2.4	2
16	Turnover of Tonoplast Proteins. Plant Physiology, 2018, 177, 10-11.	4.8	5
17	Sequence and coexpression analysis of iron-regulated ZIP transporter genes reveals crossing points between iron acquisition strategies in green algae and land plants. Plant and Soil, 2017, 418, 61-73.	3.7	22
18	Multilevel Regulation of Abiotic Stress Responses in Plants. Frontiers in Plant Science, 2017, 8, 1564.	3.6	149

#	Article	IF	Citations
19	Differential Gene Expression and Protein Phosphorylation as Factors Regulating the State of the Arabidopsis SNX1 Protein Complexes in Response to Environmental Stimuli. Frontiers in Plant Science, 2016, 7, 1456.	3.6	21
20	ZINC FINGER OF ARABIDOPSIS THALIANA12 (ZAT12) Interacts with FER-LIKE IRON DEFICIENCY-INDUCED TRANSCRIPTION FACTOR (FIT) Linking Iron Deficiency and Oxidative Stress Responses. Plant Physiology, 2016, 170, 540-557.	4.8	145
21	Regulation of ZAT12 protein stability: The role of hydrogen peroxide. Plant Signaling and Behavior, 2016, 11, e1137408.	2.4	21
22	Molecular mechanisms governing Arabidopsis iron uptake. Trends in Plant Science, 2015, 20, 124-133.	8.8	281
23	Hormone influence on the spatial regulation of<i>IRT1</i>expression in iron-deficient<i>Arabidopsis thaliana</i>roots. Plant Signaling and Behavior, 2014, 9, e28787.	2.4	45
24	SORTING NEXIN1 Is Required for Modulating the Trafficking and Stability of the <i>Arabidopsis</i> IRON-REGULATED TRANSPORTER1. Plant Cell, 2014, 26, 1294-1307.	6.6	91
25	Investigation of copper homeostasis in plant cells by fluorescence lifetime imaging microscopy. Plant Signaling and Behavior, 2012, 7, 521-523.	2.4	8
26	Fitting into the Harsh Reality: Regulation of Iron-deficiency Responses in Dicotyledonous Plants. Molecular Plant, 2012, 5, 27-42.	8.3	221
27	Transcriptional regulator AtET2 is required for the induction of dormancy during late seed development. Journal of Plant Physiology, 2012, 169, 501-508.	3.5	9
28	The S-LOCUS CYSTEINE-RICH PROTEIN (SCR): A Small Peptide with A High Impact on the Evolution of Flowering Plants. Signaling and Communication in Plants, 2012, , 77-92.	0.7	1
29	The Plant SNX Family and Its Role in Endocytosis. , 2012, , 233-247.		2
30	Visualization of Cu²⁺ uptake and release in plant cells by fluorescence lifetime imaging microscopy. FEBS Journal, 2012, 279, 410-419.	4.7	42
31	Determination of Copper(II) Ion Concentration by Lifetime Measurements of Green Fluorescent Protein. Journal of Fluorescence, 2011, 21, 2143-2153.	2.5	38
32	When no means no: guide to Brassicaceae self-incompatibility. Trends in Plant Science, 2010, 15, 387-394.	8.8	50
33	Endocytosis and Endosomal Regulation of the<i>S</i>-Receptor Kinase during the Self-Incompatibility Response in<i>Brassica oleracea</i>Â. Plant Cell, 2009, 21, 2107-2117.	6.6	64
34	Brassica self-incompatibility. Plant Signaling and Behavior, 2009, 4, 996-998.	2.4	14
35	EFFECTOR OF TRANSCRIPTION2 is involved in xylem differentiation and includes a functional DNA single strand cutting domain. Developmental Biology, 2008, 313, 93-106.	2.0	11
36	A novel parameter in comet assay measurements. Genetika, 2005, 37, 93-101.	0.4	3

#	Article	IF	Citations
37	Nucleotide excision repair rates in rat tissues. FEBS Journal, 2003, 270, 1000-1005.	0.2	18