

Rumen Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,617
citations

394421

19
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330143

37
g-index

38
all docs

38
docs citations

38
times ranked

1789
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms governing Arabidopsis iron uptake. Trends in Plant Science, 2015, 20, 124-133.	8.8	281
2	Fitting into the Harsh Reality: Regulation of Iron-deficiency Responses in Dicotyledonous Plants. Molecular Plant, 2012, 5, 27-42.	8.3	221
3	Multilevel Regulation of Abiotic Stress Responses in Plants. Frontiers in Plant Science, 2017, 8, 1564.	3.6	149
4	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
5	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
6	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
7	Endocytosis and Endosomal Regulation of the S-Receptor Kinase during the Self-Incompatibility Response in <i>Brassica oleracea</i> . Plant Cell, 2009, 21, 2107-2117.	6.6	64
8	The retromer, sorting nexins and the plant endomembrane protein trafficking. Journal of Cell Science, 2018, 131, .	2.0	58
9	When no means no: guide to Brassicaceae self-incompatibility. Trends in Plant Science, 2010, 15, 387-394.	8.8	50
10	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
11	Visualization of Cu ²⁺ uptake and release in plant cells by fluorescence lifetime imaging microscopy. FEBS Journal, 2012, 279, 410-419.	4.7	42
12	Determination of Copper(II) Ion Concentration by Lifetime Measurements of Green Fluorescent Protein. Journal of Fluorescence, 2011, 21, 2143-2153.	2.5	38
13	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
14	Mobility and localization of the iron deficiency-induced transcription factor bHLH039 change in the presence of FIT. Plant Direct, 2019, 3, e00190.	1.9	33
15	The Nutrient Response Transcriptional Regulome of Arabidopsis. iScience, 2019, 19, 358-368.	4.1	32
16	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
17	Phospho-mutant activity assays provide evidence for alternative phospho-regulation pathways of the transcription factor FER-LIKE IRON DEFICIENCY-INDUCED TRANSCRIPTION FACTOR. New Phytologist, 2020, 225, 250-267.	7.3	22
18	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

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19	Regulation of ZAT12 protein stability: The role of hydrogen peroxide. <i>Plant Signaling and Behavior</i> , 2016, 11, e1137408.	2.4	21
20	Endocytosis in plants: Peculiarities and roles in the regulated trafficking of plant metal transporters. <i>Biology of the Cell</i> , 2021, 113, 1-13.	2.0	19
21	Nucleotide excision repair rates in rat tissues. <i>FEBS Journal</i> , 2003, 270, 1000-1005.	0.2	18
22	Reactive oxygen species coordinate the transcriptional responses to iron availability in Arabidopsis. <i>Journal of Experimental Botany</i> , 2021, 72, 2181-2195.	4.8	16
23	Brassica self-incompatibility. <i>Plant Signaling and Behavior</i> , 2009, 4, 996-998.	2.4	14
24	Phylogenetic analysis of plant multi-domain SEC14-like phosphatidylinositol transfer proteins and structure–function properties of PATELLIN2. <i>Plant Molecular Biology</i> , 2020, 104, 665-678.	3.9	14
25	Fe acquisition at the crossroad of calcium and reactive oxygen species signaling. <i>Current Opinion in Plant Biology</i> , 2021, 63, 102048.	7.1	14
26	EFFECTOR OF TRANSCRIPTION2 is involved in xylem differentiation and includes a functional DNA single strand cutting domain. <i>Developmental Biology</i> , 2008, 313, 93-106.	2.0	11
27	Transcriptional regulator AtET2 is required for the induction of dormancy during late seed development. <i>Journal of Plant Physiology</i> , 2012, 169, 501-508.	3.5	9
28	Organic nitrogen nutrition: LHT1.2 protein from hybrid aspen (<i>Populus tremula</i> L. x <i>tremuloides</i>) Tj ETQq0 0 0 rgBT /Overlock 10 2021, 41, 1479-1496.	3.1	9
29	Investigation of copper homeostasis in plant cells by fluorescence lifetime imaging microscopy. <i>Plant Signaling and Behavior</i> , 2012, 7, 521-523.	2.4	8
30	EMAC, Retromer, and VSRs: do they connect?. <i>Protoplasma</i> , 2020, 257, 1725-1729.	2.1	8
31	Availability of soil iron determines the distribution strategy and seed iron content in mungbean (<i>Vigna radiata</i>) plants. <i>Plant and Soil</i> , 2020, 446, 413-423.	3.7	5
32	Turnover of Tonoplast Proteins. <i>Plant Physiology</i> , 2018, 177, 10-11.	4.8	5
33	A novel parameter in comet assay measurements. <i>Genetika</i> , 2005, 37, 93-101.	0.4	3
34	The Plant SNX Family and Its Role in Endocytosis. , 2012, , 233-247.		2
35	SNX1-mediated protein recycling: Piecing together the tissue-specific regulation of arabidopsis iron acquisition. <i>Plant Signaling and Behavior</i> , 2018, 13, e1411451.	2.4	2
36	The S-LOCUS CYSTEINE-RICH PROTEIN (SCR): A Small Peptide with A High Impact on the Evolution of Flowering Plants. <i>Signaling and Communication in Plants</i> , 2012, , 77-92.	0.7	1

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37	Orphan crops at the food for future conference. <i>Planta</i> , 2019, 250, 1005-1010.	3.2	1