

IRON MAN is a ubiquitous family of peptides that contr

Nature Plants

4, 953-963

DOI: [10.1038/s41477-018-0266-y](https://doi.org/10.1038/s41477-018-0266-y)

Citation Report

#	ARTICLE	IF	CITATIONS
1	New aspects of iron-copper crosstalk uncovered by transcriptomic characterization of Col-0 and the copper uptake mutant <i>col-7</i> in <i>Arabidopsis thaliana</i> . <i>Metallomics</i> , 2018, 10, 1824-1840.	2.4	31
2	Identification and Functional Investigation of Genome-Encoded, Small, Secreted Peptides in Plants. <i>Current Protocols in Plant Biology</i> , 2019, 4, e20098.	2.8	15
3	Rhizobacteria-Mediated Activation of the Fe Deficiency Response in <i>Arabidopsis</i> Roots: Impact on Fe Status and Signaling. <i>Frontiers in Plant Science</i> , 2019, 10, 909.	3.6	28
4	Keep talking: crosstalk between iron and sulfur networks fine-tunes growth and development to promote survival under iron limitation. <i>Journal of Experimental Botany</i> , 2019, 70, 4197-4210.	4.8	22
5	Hormone-like peptides and small coding genes in plant stress signaling and development. <i>Current Opinion in Plant Biology</i> , 2019, 51, 88-95.	7.1	76
6	Genotype Variation in Rice (<i>Oryza sativa</i> L.) Tolerance to Fe Toxicity Might Be Linked to Root Cell Wall Lignification. <i>Frontiers in Plant Science</i> , 2019, 10, 746.	3.6	32
7	â€˜Candidatus <i>Phytoplasma solani</i> â€™ interferes with the distribution and uptake of iron in tomato. <i>BMC Genomics</i> , 2019, 20, 703.	2.8	19
8	Connecting the negatives and positives of plant iron homeostasis. <i>New Phytologist</i> , 2019, 223, 1052-1055.	7.3	16
9	Iron acquisition strategies in land plants: not so different after all. <i>New Phytologist</i> , 2019, 224, 11-18.	7.3	57
10	Molecular Aspects of Iron Nutrition in Plants. <i>Progress in Botany Fortschritte Der Botanik</i> , 2019, , 125-156.	0.3	3
11	PRC2-Mediated H3K27me3 Contributes to Transcriptional Regulation of FIT-Dependent Iron Deficiency Response. <i>Frontiers in Plant Science</i> , 2019, 10, 627.	3.6	22
12	The transcriptomic response to a short day to long day shift in leaves of the reference legume <i>Medicago truncatula</i> . <i>PeerJ</i> , 2019, 7, e6626.	2.0	17
13	Essential and Detrimental â€” an Update on Intracellular Iron Trafficking and Homeostasis. <i>Plant and Cell Physiology</i> , 2019, 60, 1420-1439.	3.1	52
14	The Yin and Yang of Iron in Plants and Beyond: 19th International Symposium on Iron Nutrition and Interactions in Plants (ISINIP) in Taiwan. <i>Plant and Cell Physiology</i> , 2019, 60, 1401-1404.	3.1	2
15	Understanding the Complexity of Iron Sensing and Signaling Cascades in Plants. <i>Plant and Cell Physiology</i> , 2019, 60, 1440-1446.	3.1	69
16	Enhancing phytoextraction of potentially toxic elements in a polluted floodplain soil using sulfur-impregnated organoclay. <i>Environmental Pollution</i> , 2019, 248, 1059-1066.	7.5	27
17	The iron deficiency response in <i>Arabidopsis thaliana</i> requires the phosphorylated transcription factor URI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24933-24942.	7.1	120
18	The transport of essential micronutrients in rice. <i>Molecular Breeding</i> , 2019, 39, 1.	2.1	25

#	ARTICLE	IF	CITATIONS
19	The dual benefit of a dominant mutation in Arabidopsis <i><i>IRON DEFICIENCY TOLERANT1</i></i> for iron biofortification and heavy metal phytoremediation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1200-1210.	8.3	22
20	FIT, a regulatory hub for iron deficiency and stress signaling in roots, and FIT-dependent and -independent gene signatures. <i>Journal of Experimental Botany</i> , 2020, 71, 1694-1705.	4.8	93
21	The Transcription Factor bHLH121 Interacts with bHLH105 (ILR3) and Its Closest Homologs to Regulate Iron Homeostasis in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 508-524.	6.6	111
22	The Molecular Mechanisms Underlying Iron Deficiency Responses in Rice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 43.	4.1	37
23	Iron deficiency and the loss of chloroplast iron-sulfur cluster assembly trigger distinct transcriptome changes in Arabidopsis rosettes. <i>Metallomics</i> , 2020, 12, 1748-1764.	2.4	6
24	Leveraging computational genomics to understand the molecular basis of metal homeostasis. <i>New Phytologist</i> , 2020, 228, 1472-1489.	7.3	4
25	Long-Distance Movement of Mineral Deficiency-Responsive mRNAs in <i>Nicotiana Benthamiana</i> /Tomato Heterografts. <i>Plants</i> , 2020, 9, 876.	3.5	5
26	Molecular basis for neofunctionalization of duplicated E3 ubiquitin ligases underlying adaptation to drought tolerance in Arabidopsis thaliana. <i>Plant Journal</i> , 2020, 104, 474-492.	5.7	3
27	The bHLH protein OsIRO3 is critical for plant survival and iron (Fe) homeostasis in rice (<i><i>Oryza</i></i>). <i>Overlook 10 Tf 50 4</i>	1.9	30
28	pH-dependent transcriptional profile changes in iron-deficient Arabidopsis roots. <i>BMC Genomics</i> , 2020, 21, 694.	2.8	24
29	Primary transcript of miR858 encodes regulatory peptide and controls flavonoid biosynthesis and development in Arabidopsis. <i>Nature Plants</i> , 2020, 6, 1262-1274.	9.3	103
30	Root morphological and physiological characteristics in maize seedlings adapted to low iron stress. <i>PLoS ONE</i> , 2020, 15, e0239075.	2.5	7
31	Defects in the rice aconitase-encoding OsACO1 gene alter iron homeostasis. <i>Plant Molecular Biology</i> , 2020, 104, 629-645.	3.9	13
32	Deregulated High Affinity Copper Transport Alters Iron Homeostasis in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 1106.	3.6	14
33	Dissection of Molecular Processes and Genetic Architecture Underlying Iron and Zinc Homeostasis for Biofortification: From Model Plants to Common Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9280.	4.1	27
34	<i><i>Medicago truncatula</i></i> Ferroportin2 mediates iron import into nodule symbiosomes. <i>New Phytologist</i> , 2020, 228, 194-209.	7.3	23
35	MtSSPdb: The <i><i>Medicago truncatula</i></i> Small Secreted Peptide Database. <i>Plant Physiology</i> , 2020, 183, 399-413.	4.8	40
36	Production mechanisms, structural features and post-translational modifications of plant peptides. <i>Journal of Plant Biology</i> , 2020, 63, 259-265.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Regulation of Iron Homeostasis and Use in Chloroplasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3395.	4.1	90
38	Phosphate starvation responses in crop roots: from well-known players to novel candidates. <i>Environmental and Experimental Botany</i> , 2020, 178, 104162.	4.2	11
39	AtHAP5A regulates iron translocation in iron-deficient <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1910-1925.	8.5	10
40	PRC2-mediated H3K27me3 modulates shoot iron homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2020, 15, 1784549.	2.4	10
41	bHLH121 Functions as a Direct Link that Facilitates the Activation of FIT by bHLH IVc Transcription Factors for Maintaining Fe Homeostasis in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 634-649.	8.3	79
42	A long non-coding apple RNA, MSTRG.85814.11, acts as a transcriptional enhancer of <i>SAUR32</i> and contributes to the Fe-deficiency response. <i>Plant Journal</i> , 2020, 103, 53-67.	5.7	42
43	Root-shoot-root Fe translocation in cucumber plants grown in a heterogeneous Fe provision. <i>Plant Science</i> , 2020, 293, 110431.	3.6	18
44	Chloroplast Transition Metal Regulation for Efficient Photosynthesis. <i>Trends in Plant Science</i> , 2020, 25, 817-828.	8.8	65
45	Potential Implications of Interactions between Fe and S on Cereal Fe Biofortification. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2827.	4.1	8
46	Transcriptional integration of plant responses to iron availability. <i>Journal of Experimental Botany</i> , 2021, 72, 2056-2070.	4.8	76
47	Histone H3 lysine4 trimethylation-regulated GRF11 expression is essential for the iron-deficiency response in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 244-258.	7.3	12
48	Iron deficiency-inducible peptide-coding genes <i>OsIMA1</i> and <i>OsIMA2</i> positively regulate a major pathway of iron uptake and translocation in rice. <i>Journal of Experimental Botany</i> , 2021, 72, 2196-2211.	4.8	41
49	OUP accepted manuscript. <i>Plant Physiology</i> , 2021, 187, 1281-1283.	4.8	0
50	Evaluation of the Potential Use of a Collagen-Based Protein Hydrolysate as a Plant Multi-Stress Protectant. <i>Frontiers in Plant Science</i> , 2021, 12, 600623.	3.6	8
52	The iron will of the research community: advances in iron nutrition and interactions in lockdown times. <i>Journal of Experimental Botany</i> , 2021, 72, 2011-2013.	4.8	3
53	Gene atlas of iron-containing proteins in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2021, 106, 258-274.	5.7	25
54	Granger-causal testing for irregularly sampled time series with application to nitrogen signalling in <i>Arabidopsis</i> . <i>Bioinformatics</i> , 2021, 37, 2450-2460.	4.1	8
55	<i>Medicago truncatula</i> Yellow Stripe-Like7 encodes a peptide transporter participating in symbiotic nitrogen fixation. <i>Plant, Cell and Environment</i> , 2021, 44, 1908-1920.	5.7	7

#	ARTICLE	IF	CITATIONS
57	Ethylene and Nitric Oxide Involvement in the Regulation of Fe and P Deficiency Responses in Dicotyledonous Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4904.	4.1	11
58	The phyBâ€dependent induction of HY5 promotes iron uptake by systemically activating <i>FER</i> expression. <i>EMBO Reports</i> , 2021, 22, e51944.	4.5	37
59	Iron delivery to the growing leaves associated with leaf chlorosis in mugineic acid family phytosiderophores-generating graminaceous crops. <i>Soil Science and Plant Nutrition</i> , 2021, 67, 415-426.	1.9	11
60	IRONMAN tunes responses to iron deficiency in concert with environmental pH. <i>Plant Physiology</i> , 2021, 187, 1728-1745.	4.8	29
62	RBP differentiation contributes to selective transmissibility of <i>OPT3</i> mRNAs. <i>Plant Physiology</i> , 2021, 187, 1587-1604.	4.8	5
64	Overexpression of nicotinamidase 3 (NIC3) gene and the exogenous application of nicotinic acid (NA) enhance drought tolerance and increase biomass in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2021, 107, 63-84.	3.9	14
66	Iron insufficiency in floral buds impairs pollen development by disrupting tapetum function. <i>Plant Journal</i> , 2021, 108, 244-267.	5.7	6
68	Cadmium interference with iron sensing reveals transcriptional programs sensitive and insensitive to reactive oxygen species. <i>Journal of Experimental Botany</i> , 2022, 73, 324-338.	4.8	9
70	IRON MAN interacts with BRUTUS to maintain iron homeostasis in <i>Arabidopsis</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	48
72	Biotechnological approaches for generating iron-rich crops. , 2022, , 437-451.		0
73	Ectopic expression of IMA small peptide genes confers tolerance to cadmium stress in <i>Arabidopsis</i> through activating the iron deficiency response. <i>Journal of Hazardous Materials</i> , 2022, 422, 126913.	12.4	15
74	Roles of subcellular metal homeostasis in crop improvement. <i>Journal of Experimental Botany</i> , 2021, 72, 2083-2098.	4.8	15
75	Iron Biofortification: The Gateway to Overcoming Hidden Hunger. , 2020, , 149-177.		5
80	Overexpression of Rice OsS1Fa1 Gene Confers Drought Tolerance in <i>Arabidopsis</i> . <i>Plants</i> , 2021, 10, 2181.	3.5	1
81	Belowâ€ground plantâ€soil interactions affecting adaptations of rice to iron toxicity. <i>Plant, Cell and Environment</i> , 2022, 45, 705-718.	5.7	15
83	Genome-Wide Identification and Transcriptional Analysis of <i>Arabidopsis</i> DUF506 Gene Family. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11442.	4.1	8
86	bHLH11 inhibits bHLH IVc proteins by recruiting the TOPLESS/TOPLESS-RELATED corepressors. <i>Plant Physiology</i> , 2022, 188, 1335-1349.	4.8	22
87	Rootâ€toâ€shoot iron partitioning in <i>Arabidopsis</i> requires IRONâ€REGULATED TRANSPORTER1 (IRT1) protein but not its iron(II) transport function. <i>Plant Journal</i> , 2021, , .	5.7	18

#	ARTICLE	IF	CITATIONS
88	Metal crossroads in plants: modulation of nutrient acquisition and root development by essential trace metals. <i>Journal of Experimental Botany</i> , 2022, 73, 1751-1765.	4.8	15
89	Solving the puzzle of Fe homeostasis by integrating molecular, mathematical, and societal models. <i>Current Opinion in Plant Biology</i> , 2021, 64, 102149.	7.1	0
90	Genomically Hardwired Regulation of Gene Activity Orchestrates Cellular Iron Homeostasis in Arabidopsis. <i>RNA Biology</i> , 2022, 19, 143-161.	3.1	9
91	Micronutrient homeostasis in plants for more sustainable agriculture and healthier human nutrition. <i>Journal of Experimental Botany</i> , 2022, 73, 1789-1799.	4.8	35
92	Iron in leaves: chemical forms, signalling, and in-cell distribution. <i>Journal of Experimental Botany</i> , 2022, 73, 1717-1734.	4.8	20
94	<i>CF1</i> reduces grain cadmium levels in rice (<i>Oryza sativa</i>). <i>Plant Journal</i> , 2022, 110, 1305-1318.	5.7	6
95	Long-distance mobile mRNA <i>CAX3</i> modulates iron uptake and zinc compartmentalization. <i>EMBO Reports</i> , 2022, 23, e53698.	4.5	4
96	<i>MIR164b</i> represses iron uptake by regulating the <i>NAC</i> domain transcription factor5-Nuclear Factor Y, Subunit A8 module in Arabidopsis. <i>Plant Physiology</i> , 2022, 189, 1095-1109.	4.8	13
97	MicroRNA858a, its encoded peptide, and phyto-sulfokine regulate Arabidopsis growth and development. <i>Plant Physiology</i> , 2022, 189, 1397-1415.	4.8	10
98	<i>NRAMP6</i> and <i>NRAMP1</i> cooperatively regulate root growth and manganese translocation under manganese deficiency in Arabidopsis. <i>Plant Journal</i> , 2022, 110, 1564-1577.	5.7	22
99	Iron Availability within the Leaf Vasculature Determines the Magnitude of Iron Deficiency Responses in Source and Sink Tissues in Arabidopsis. <i>Plant and Cell Physiology</i> , 2022, 63, 829-841.	3.1	8
100	Emerging roles of protein phosphorylation in plant iron homeostasis. <i>Trends in Plant Science</i> , 2022, 27, 908-921.	8.8	9
101	Time Series Transcriptome Analysis in <i>Medicago truncatula</i> Shoot and Root Tissue During Early Nodulation. <i>Frontiers in Plant Science</i> , 2022, 13, 861639.	3.6	5
102	Primary nutrient sensors in plants. <i>iScience</i> , 2022, 25, 104029.	4.1	14
103	How Plants Recalibrate Cellular Iron Homeostasis. <i>Plant and Cell Physiology</i> , 2022, 63, 154-162.	3.1	17
104	E3 ligase BRUTUS Is a Negative Regulator for the Cellular Energy Level and the Expression of Energy Metabolism-Related Genes Encoded by Two Organellar Genomes in Leaf Tissues. <i>Molecules and Cells</i> , 2022, 45, 294-305.	2.6	1
105	Systemic Regulation of Iron Acquisition by Arabidopsis in Environments with Heterogeneous Iron Distributions. <i>Plant and Cell Physiology</i> , 2022, 63, 842-854.	3.1	10
106	The basic leucine zipper transcription factor <i>OsZIP83</i> and the glutaredoxins <i>OsGRX6</i> and <i>OsGRX9</i> facilitate rice iron utilization under the control of <i>OsHRZ</i> ubiquitin ligases. <i>Plant Journal</i> , 2022, , .	5.7	5

#	ARTICLE	IF	CITATIONS
118	Enantioselective Response of Wheat Seedlings to Imazethapyr: From the Perspective of Fe and the Secondary Metabolite DIMBOA. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5516-5525.	5.2	7
120	Strategies and Bottlenecks in Hexaploid Wheat to Mobilize Soil Iron to Grains. <i>Frontiers in Plant Science</i> , 2022, 13, 863849.	3.6	2
121	The Ubiquitin Proteasome System and Nutrient Stress Response. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	6
122	The Iron Deficiency-Regulated Small Protein Effector FEP3/IRON MAN1 Modulates Interaction of BRUTUS-LIKE1 With bHLH Subgroup IVc and POPEYE Transcription Factors. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	16
123	Iron uptake, signaling, and sensing in plants. <i>Plant Communications</i> , 2022, 3, 100349.	7.7	44
124	Uptake, speciation and detoxification of antimonate and antimonite in As-hyperaccumulator <i>Pteris Cretica</i> L. <i>Environmental Pollution</i> , 2022, 308, 119653.	7.5	7
125	Genome Editing for Nutrient Use Efficiency in Crops. , 2022, , 347-383.		1
126	IRONMAN peptide interacts with OsHRZ1 and OsHRZ2 to maintain Fe homeostasis in rice. <i>Journal of Experimental Botany</i> , 2022, 73, 6463-6474.	4.8	12
127	Iron biofortification through genetic modification in rice, wheat, and cassava and its potential contribution to nutritional security. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , .	1.0	1
128	The receptor kinase SRF3 coordinates iron-level and flagellin dependent defense and growth responses in plants. <i>Nature Communications</i> , 2022, 13, .	12.8	14
129	POPEYE intercellular localization mediates cell-specific iron deficiency responses. <i>Plant Physiology</i> , 2022, 190, 2017-2032.	4.8	4
130	Characterization of zinc uptake and translocation visualized with positron-emitting ⁶⁵ Zn tracer and analysis of transport-related gene expression in two <i>Lotus japonicus</i> accessions. <i>Annals of Botany</i> , 0, , .	2.9	0
131	Identification of Diverse Stress-Responsive Xylem Sap Peptides in Soybean. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8641.	4.1	3
132	FE UPTAKE-INDUCING PEPTIDE1 maintains Fe translocation by controlling Fe deficiency response genes in the vascular tissue of <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2022, 45, 3322-3337.	5.7	7
133	A shoot derived long distance iron signal may act upstream of the IMA peptides in the regulation of Fe deficiency responses in <i>Arabidopsis thaliana</i> roots. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	9
134	Minireview: Chromatin-based regulation of iron homeostasis in plants. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	3
135	Similarities and differences in iron homeostasis strategies between graminaceous and nongraminaceous plants. <i>New Phytologist</i> , 2022, 236, 1655-1660.	7.3	14
136	CAN OF SPINACH, a novel long non-coding RNA, affects iron deficiency responses in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	6

#	ARTICLE	IF	CITATIONS
137	Simultaneous Enhancement of iron Deficiency Tolerance and Iron Accumulation in Rice by Combining the Knockdown of OsHRZ Ubiquitin Ligases with the Introduction of Engineered Ferric-chelate Reductase. <i>Rice</i> , 2022, 15, .	4.0	1
138	Loss of LEUCINE CARBOXYL METHYLTRANSFERASE 1 interferes with metal homeostasis in Arabidopsis and enhances susceptibility to environmental stresses. <i>Journal of Plant Physiology</i> , 2022, 279, 153843.	3.5	0
139	The ferroxidases LPR1 and LPR2 control iron translocation in the xylem of Arabidopsis plants. <i>Molecular Plant</i> , 2022, 15, 1962-1975.	8.3	9
140	A tale of two metals: Biofortification of rice grains with iron and zinc. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	8
141	Enhanced silicate remediation in cadmium-contaminated alkaline soil: Amorphous structure improves adsorption performance. <i>Journal of Environmental Management</i> , 2023, 326, 116760.	7.8	7
142	Plant strategies to mine iron from alkaline substrates. <i>Plant and Soil</i> , 2023, 483, 1-25.	3.7	17
143	Fe deficiency-induced ethylene synthesis confers resistance to <i>Botrytis cinerea</i> . <i>New Phytologist</i> , 2023, 237, 1843-1855.	7.3	8
144	Protein kinase MtCIPK12 modulates iron reduction in <i>Medicago truncatula</i> by regulating riboflavin biosynthesis. <i>Plant, Cell and Environment</i> , 2023, 46, 991-1003.	5.7	3
145	Iron Nutrition in Plants: Towards a New Paradigm?. <i>Plants</i> , 2023, 12, 384.	3.5	14
148	ELONGATED HYPOCOTYL 5 regulates BRUTUS and affects iron acquisition and homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2023, 114, 1267-1284.	5.7	4
149	Iron nutrition in agriculture: From synthetic chelates to biochelates. <i>Scientia Horticulturae</i> , 2023, 312, 111833.	3.6	12
150	Loss of OPT3 function decreases phloem copper levels and impairs crosstalk between copper and iron homeostasis and shoot-to-root signaling in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2023, 35, 2157-2185.	6.6	11
151	Iron transport and homeostasis in plants: current updates and applications for improving human nutrition values and sustainable agriculture. <i>Plant Growth Regulation</i> , 2023, 100, 373-390.	3.4	2
152	Iron sensing in plants. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	6
154	Iron Availability and Homeostasis in Plants: A Review of Responses, Adaptive Mechanisms, and Signaling. <i>Methods in Molecular Biology</i> , 2023, , 49-81.	0.9	4
155	Multi-copper oxidases SKU5 and SKS1 coordinate cell wall formation using apoplastic redox-based reactions in roots. <i>Plant Physiology</i> , 2023, 192, 2243-2260.	4.8	5
156	Shining in the dark: the big world of small peptides in plants. <i>ABIOTECH</i> , 2023, 4, 238-256.	3.9	6
158	Role of Soil and Foliar-Applied Carbon Dots in Plant Iron Biofortification and Cadmium Mitigation by Triggering Opposite Iron Signaling in Roots. <i>Small</i> , 2023, 19, .	10.0	2

#	ARTICLE	IF	CITATIONS
159	Regulation of the iron-deficiency response by IMA/FEP peptide. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	4
161	Advances in Iron Retrograde Signaling Mechanisms and Uptake Regulation in Photosynthetic Organisms. <i>Methods in Molecular Biology</i> , 2023, , 121-145.	0.9	1
162	Arabidopsis Micro-grafting to Study the Systemic Signaling of Nutrient Status. <i>Methods in Molecular Biology</i> , 2023, , 113-120.	0.9	0
163	Comprehensive Survey of ChIP-Seq Datasets to Identify Candidate Iron Homeostasis Genes Regulated by Chromatin Modifications. <i>Methods in Molecular Biology</i> , 2023, , 95-111.	0.9	1
164	A <i>Medicago truncatula</i> Autoregulation of Nodulation Mutant Transcriptome Analysis Reveals Disruption of the SUNN Pathway Causes Constitutive Expression Changes in Some Genes, but Overall Response to Rhizobia Resembles Wild-Type, Including Induction of TML1 and TML2. <i>Current Issues in Molecular Biology</i> , 2023, 45, 4612-4631.	2.4	4
165	Editorial: Role of shoot-derived signals in root responses to environmental changes. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	0
166	Revealing the molecular basis regulating the iron deficiency response in quinoa seedlings by physio-biochemical and gene expression profiling analyses. <i>Plant and Soil</i> , 0, , .	3.7	1
167	Molecular Regulation of Iron Homeostasis in Plants. <i>Progress in Botany Fortschritte Der Botanik</i> , 2023, , .	0.3	1
168	BRUTUS-LIKE (BTSL) E3 ligase-mediated fine-tuning of Fe regulation negatively affects Zn tolerance of Arabidopsis. <i>Journal of Experimental Botany</i> , 2023, 74, 5767-5782.	4.8	2
169	Rhizobial nitrogen fixation efficiency shapes endosphere bacterial communities and <i>Medicago truncatula</i> host growth. <i>Microbiome</i> , 2023, 11, .	11.1	6
170	Black sheep, dark horses, and colorful dogs: a review on the current state of the Gene Ontology with respect to iron homeostasis in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	0
171	A Review: Systemic Signaling in the Regulation of Plant Responses to Low N, P and Fe. <i>Plants</i> , 2023, 12, 2765.	3.5	2
172	The Small RNA Component of <i>Arabidopsis thaliana</i> Phloem Sap and Its Response to Iron Deficiency. <i>Plants</i> , 2023, 12, 2782.	3.5	1
173	NO Is Not the Same as GSNO in the Regulation of Fe Deficiency Responses by Dicot Plants. <i>International Journal of Molecular Sciences</i> , 2023, 24, 12617.	4.1	2
174	Translation initiation at AUG and non-AUG triplets in plants. <i>Plant Science</i> , 2023, 335, 111822.	3.6	1
175	L-DOPA induces iron accumulation in roots of <i>Ipomoea aquatica</i> and <i>Arabidopsis thaliana</i> in a pH-dependent manner. , 2023, 64, .		0
176	IMA peptides function in iron homeostasis and cadmium resistance. <i>Plant Science</i> , 2023, 336, 111868.	3.6	0
178	Identification of novel plant cysteine oxidase inhibitors from a yeast chemical genetic screen. <i>Journal of Biological Chemistry</i> , 2023, , 105366.	3.4	0

#	ARTICLE	IF	CITATIONS
179	Recent advances in unraveling the mystery of combined nutrient stress in plants. <i>Plant Journal</i> , 0, , .	5.7	2
181	<scp>IRON MAN</scp> interacts with Cuâ€œ<scp>DEFICIENCY INDUCED TRANSCRIPTION FACTOR</scp> 1 to maintain copper homeostasis. <i>New Phytologist</i> , 0, , .	7.3	1
182	Spatial IMA1 regulation restricts root iron acquisition on MAMP perception. <i>Nature</i> , 2024, 625, 750-759.	27.8	1
183	IMA peptides regulate root nodulation and nitrogen homeostasis by providing iron according to internal nitrogen status. <i>Nature Communications</i> , 2024, 15, .	12.8	0
184	Rare earth elements perturb root architecture and ion homeostasis in <i>Arabidopsis thaliana</i> . <i>Journal of Hazardous Materials</i> , 2024, 468, 133701.	12.4	0
185	Alfalfa MsbHLH115 confers tolerance to cadmium stress through activating the iron deficiency response in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 15, .	3.6	0
186	Shall we talk? New details in crosstalk between copper and iron homeostasis uncovered in <i> <i>Arabidopsis thaliana</i> </i>. <i>New Phytologist</i> , 2024, 242, 832-835.	7.3	0