Gabriel Castrillo

List of Publications by Year
in descending order

21 papers	3,475 citations	394421 19 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	4448 citing authors

#	Article	IF	Citations
1	Root microbiota drive direct integration of phosphate stress and immunity. Nature, 2017, 543, 513-518.	27.8	669
2	A Central Regulatory System Largely Controls Transcriptional Activation and Repression Responses to Phosphate Starvation in Arabidopsis. PLoS Genetics, 2010, 6, e1001102.	3.5	583
3	Understanding and exploiting plant beneficial microbes. Current Opinion in Plant Biology, 2017, 38, 155-163.	7.1	538
4	A single bacterial genus maintains root growth in a complex microbiome. Nature, 2020, 587, 103-108.	27.8	245
5	Design of synthetic bacterial communities for predictable plant phenotypes. PLoS Biology, 2018, 16, e2003962.	5.6	182
6	WRKY6 Transcription Factor Restricts Arsenate Uptake and Transposon Activation in Arabidopsis. Plant Cell, 2013, 25, 2944-2957.	6.6	176
7	An extended root phenotype: the rhizosphere, its formation and impacts on plant fitness. Plant Journal, 2020, 103, 951-964.	5.7	151
8	Natural variation in arsenate tolerance identifies an arsenate reductase in Arabidopsis thaliana. Nature Communications, 2014, 5, 4617.	12.8	136
9	Coordination between microbiota and root endodermis supports plant mineral nutrient homeostasis. Science, 2021, 371, .	12.6	133
10	Role of Actin Cytoskeleton in Brassinosteroid Signaling and in Its Integration with the Auxin Response in Plants. Developmental Cell, 2012, 22, 1275-1285.	7.0	127
11	The effects of soil phosphorus content on plant microbiota are driven by the plant phosphate starvation response. PLoS Biology, 2019, 17, e3000534.	5.6	126
12	Specific modulation of the root immune system by a community of commensal bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	81
13	Speeding Cis-Trans Regulation Discovery by Phylogenomic Analyses Coupled with Screenings of an Arrayed Library of Arabidopsis Transcription Factors. PLoS ONE, 2011, 6, e21524.	2.5	78
14	Two chemically distinct root lignin barriers control solute and water balance. Nature Communications, 2021, 12, 2320.	12.8	48
15	Cytokinin determines thiol-mediated arsenic tolerance and accumulation in Arabidopsis thaliana. Plant Physiology, 2016, 171, pp.00372.2016.	4.8	43
16	Uclacyanin Proteins Are Required for Lignified Nanodomain Formation within Casparian Strips. Current Biology, 2020, 30, 4103-4111.e6.	3.9	38
17	Sculpting the soil microbiota. Plant Journal, 2022, 109, 508-522.	5.7	28
18	Direct inhibition of phosphate transport by immune signaling in Arabidopsis. Current Biology, 2022, 32, 488-495.e5.	3.9	24

#	Article	IF	Citations
19	An immunoenzymatic solid-phase assay for quantitative determination of HIV-1 protease activity. Analytical Biochemistry, 2002, 307, 18-24.	2.4	23
20	Arsenite provides a selective signal that coordinates arsenate uptake and detoxification through the regulation of PHR1 stability in Arabidopsis. Molecular Plant, 2021, 14, 1489-1507.	8.3	21
21	Identification of the minimal sequence required for vascular-specific activity of Tomato mottle Taino virus Replication-associated protein promoter in transgenic plants. Virus Research, 2004, 102, 125-132.	2.2	8