Cara H Haney

List of Publications by Year
in descending order

29 papers	1,668 citations	567281 15 h-index	477307 29 g-index
45 all docs	45 docs citations	45 times ranked	2327 citing authors

#	Article	IF	Citations
1	Associations with rhizosphere bacteria can confer an adaptive advantage to plants. Nature Plants, 2015, 1, .	9.3	345
2	Plant flotillins are required for infection by nitrogen-fixing bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 478-483.	7.1	213
3	GLO-Roots: an imaging platform enabling multidimensional characterization of soil-grown root systems. ELife, 2015, 4, .	6.0	212
4	Rhizosphere-Associated Pseudomonas Suppress Local Root Immune Responses by Gluconic Acid-Mediated Lowering of Environmental pH. Current Biology, 2019, 29, 3913-3920.e4.	3.9	112
5	FERONIA restricts Pseudomonas in the rhizosphere microbiome via regulation of reactive oxygen species. Nature Plants, 2021, 7, 644-654.	9.3	102
6	Symbiotic Rhizobia Bacteria Trigger a Change in Localization and Dynamics of the Medicago truncatula Receptor Kinase LYK3. Plant Cell, 2011, 23, 2774-2787.	6.6	96
7	Convergent gain and loss of genomic islands drive lifestyle changes in plant-associated Pseudomonas. ISME Journal, 2019, 13, 1575-1588.	9.8	84
8	A Genome-Wide Screen Identifies Genes in Rhizosphere-Associated Pseudomonas Required to Evade Plant Defenses. MBio, 2018, 9, .	4.1	82
9	Rhizosphereâ€associated Pseudomonas induce systemic resistance to herbivores at the cost of susceptibility to bacterial pathogens. Molecular Ecology, 2018, 27, 1833-1847.	3.9	58
10	Maintaining Symbiotic Homeostasis: How Do Plants Engage With Beneficial Microorganisms While at the Same Time Restricting Pathogens?. Molecular Plant-Microbe Interactions, 2021, 34, 462-469.	2.6	52
11	Plant microbiome blueprints. Science, 2015, 349, 788-789.	12.6	42
12	Ectomycorrhizal fungi induce systemic resistance against insects on a nonmycorrhizal plant in a CERK1â€dependent manner. New Phytologist, 2020, 228, 728-740.	7.3	32
13	Hostâ€”Pathogen Interactions Between Phytophthora infestans and the Solanaceous Hosts Calibrachoa Ã— hybridus, Petunia Ã— hybrida, and Nicotiana benthamiana. Plant Disease, 2006, 90, 24-32.	1.4	26
14	Drought dampens microbiome development. Nature Plants, 2021, 7, 994-995.	9.3	23
15	Mechanisms in plantâ€“microbiome interactions: lessons from model systems. Current Opinion in Plant Biology, 2021, 62, 102003.	7.1	20
16	Harnessing the genetic potential of the plant microbiome. Biochemist, 2020, 42, 20-25.	0.5	20
17	Putrescine and Its Metabolic Precursor Arginine Promote Biofilm and c-di-GMP Synthesis in Pseudomonas aeruginosa. Journal of Bacteriology, 2022, 204, JB0029721.	2.2	20
18	Commensal Pseudomonas fluorescens Strains Protect Arabidopsis from Closely Related Pseudomonas Pathogens in a Colonization-Dependent Manner. MBio, 2022, 13, e0289221.	4.1	19

#	Article	IF	Citations
19	Innate immunity in plants and animals: Differences and similarities. Biochemist, 2014, 36, 40-45.	0.5	17
20	Development of Tools for the Biochemical Characterization of the Symbiotic Receptor-Like Kinase DMI2. Molecular Plant-Microbe Interactions, 2013, 26, 216-226.	2.6	11
21	An Improved Bioassay to Study Arabidopsis Induced Systemic Resistance (ISR) Against Bacterial Pathogens and Insect Pests. Bio-protocol, 2019, 9, e3236.	0.4	11
22	Sticky Pi is a high-frequency smart trap that enables the study of insect circadian activity under natural conditions. PLoS Biology, 2022, 20, e3001689.	5.6	11
23	Comparative Genomics Identified a Genetic Locus in Plant-Associated Pseudomonas spp. That Is Necessary for Induced Systemic Susceptibility. MBio, 2020, 11, .	4.1	9
24	Characterization of Novel Plant Symbiosis Mutants Using a New Multiple Gene-Expression Reporter Sinorhizobium meliloti Strain. Frontiers in Plant Science, 2018, 9, 76.	3.6	8
25	The Pseudomonas aeruginosa whole genome sequence: A 20th anniversary celebration. Advances in Microbial Physiology, 2021, 79, 25-88.	2.4	7
26	Pseudomonas Strains Induce Transcriptional and Morphological Changes and Reduce Root Colonization of Verticillium spp.. Frontiers in Microbiology, 2021, 12, 652468.	3.5	6
27	Plant-Beneficial Pseudomonas Spp. Suppress Local Root Immune Responses by Gluconic Acid-Mediated Lowering of Environmental pH. SSRN Electronic Journal, 0, , .	0.4	5
28	Bacterial genomics of plant adaptation. Nature Genetics, 2018, 50, 2-4.	21.4	1
29	Plasmid-powered evolutionary transitions. ELife, 2017, 6, .	6.0	1