

Adam Schikora

List of Publications by Year in descending order

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65
papers

5,543
citations

126907

33
h-index

114465

63
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68
all docs

68
docs citations

68
times ranked

5869
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal movement within the plant: contribution of nicotianamine and yellow stripe 1-like transporters. <i>Annals of Botany</i> , 2009, 103, 1-11.	2.9	703
2	MAPK cascade signalling networks in plant defence. <i>Current Opinion in Plant Biology</i> , 2009, 12, 421-426.	7.1	612
3	High-Affinity Manganese Uptake by the Metal Transporter NRAMP1 Is Essential for <i>Arabidopsis</i> Growth in Low Manganese Conditions. <i>Plant Cell</i> , 2010, 22, 904-917.	6.6	449
4	A Mitogen-activated Protein Kinase Kinase Kinase Mediates Reactive Oxygen Species Homeostasis in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 38697-38704.	3.4	311
5	A loss-of-function mutation in AtYSL1 reveals its role in iron and nicotianamine seed loading. <i>Plant Journal</i> , 2005, 44, 769-782.	5.7	238
6	Role of Hormones in the Induction of Iron Deficiency Responses in <i>Arabidopsis</i> Roots. <i>Plant Physiology</i> , 2000, 122, 1109-1118.	4.8	202
7	Different Pathways Are Involved in Phosphate and Iron Stress-Induced Alterations of Root Epidermal Cell Development. <i>Plant Physiology</i> , 2001, 125, 2078-2084.	4.8	199
8	<i>N</i> -Acyl-Homoserine Lactone Primes Plants for Cell Wall Reinforcement and Induces Resistance to Bacterial Pathogens via the Salicylic Acid/Oxylipin Pathway. <i>Plant Cell</i> , 2014, 26, 2708-2723.	6.6	166
9	A Putative Function for the <i>Arabidopsis</i> Fe-Phytosiderophore Transporter Homolog AtYSL2 in Fe and Zn Homeostasis. <i>Plant and Cell Physiology</i> , 2005, 46, 762-774.	3.1	163
10	<i>N</i> -Acyl-Homoserine Lactone Confers Resistance toward Biotrophic and Hemibiotrophic Pathogens via Altered Activation of AtMPK6. <i>Plant Physiology</i> , 2011, 157, 1407-1418.	4.8	148
11	Transgenerational Stress Memory Is Not a General Response in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2009, 4, e5202.	2.5	142
12	The Dark Side of the Salad: <i>Salmonella typhimurium</i> Overcomes the Innate Immune Response of <i>Arabidopsis thaliana</i> and Shows an Endopathogenic Lifestyle. <i>PLoS ONE</i> , 2008, 3, e2279.	2.5	142
13	Beneficial effects of bacteria-plant communication based on quorum sensing molecules of the <i>N</i> -acyl homoserine lactone group. <i>Plant Molecular Biology</i> , 2016, 90, 605-612.	3.9	140
14	Quorum Sensing of Bacteria and Trans-Kingdom Interactions of <i>N</i> -Acyl Homoserine Lactones with Eukaryotes. <i>Journal of Chemical Ecology</i> , 2012, 38, 704-713.	1.8	128
15	Conservation of <i>Salmonella</i> Infection Mechanisms in Plants and Animals. <i>PLoS ONE</i> , 2011, 6, e24112.	2.5	114
16	Iron Stress-Induced Changes in Root Epidermal Cell Fate Are Regulated Independently from Physiological Responses to Low Iron Availability. <i>Plant Physiology</i> , 2001, 125, 1679-1687.	4.8	113
17	<i>Arabidopsis</i> growth and defense are modulated by bacterial quorum sensing molecules. <i>Plant Signaling and Behavior</i> , 2012, 7, 178-181.	2.4	109
18	Plants as alternative hosts for <i>Salmonella</i> . <i>Trends in Plant Science</i> , 2012, 17, 245-249.	8.8	92

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19	Salmonella Establishment in Agricultural Soil and Colonization of Crop Plants Depend on Soil Type and Plant Species. <i>Frontiers in Microbiology</i> , 2019, 10, 967.	3.5	92
20	Interactions of Salmonella with animals and plants. <i>Frontiers in Microbiology</i> , 2014, 5, 791.	3.5	82
21	AHL-priming functions via oxylipin and salicylic acid. <i>Frontiers in Plant Science</i> , 2014, 5, 784.	3.6	79
22	Homoserine Lactones Influence the Reaction of Plants to Rhizobia. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17122-17146.	4.1	77
23	Salmonella enterica Flagellin Is Recognized via FLS2 and Activates PAMP-Triggered Immunity in Arabidopsis thaliana. <i>Molecular Plant</i> , 2014, 7, 657-674.	8.3	75
24	Consistent associations with beneficial bacteria in the seed endosphere of barley (<i>Hordeum vulgare</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	2.8	72
25	Formation of transfer cells and H ⁺ -ATPase expression in tomato roots under P and Fe deficiency. <i>Planta</i> , 2002, 215, 304-311.	3.2	57
26	Acyl-homoserine lactones-producing bacteria protect plants against plant and human pathogens. <i>Microbial Biotechnology</i> , 2014, 7, 580-588.	4.2	55
27	Salmonella, a cross-kingdom pathogen infecting humans and plants. <i>FEMS Microbiology Letters</i> , 2013, 343, 1-7.	1.8	52
28	Proton pumping by tomato roots. Effect of Fe deficiency and hormones on the activity and distribution of plasma membrane H ⁺ -ATPase in rhizodermal cells. <i>Plant, Cell and Environment</i> , 2003, 26, 361-370.	5.7	49
29	Impact of Quorum Sensing Molecules on Plant Growth and Immune System. <i>Frontiers in Microbiology</i> , 2020, 11, 1545.	3.5	46
30	Staining of Callose Depositions in Root and Leaf Tissues. <i>Bio-protocol</i> , 2015, 5, .	0.4	44
31	Genetic Differences in Barley Govern the Responsiveness to N-Acyl Homoserine Lactone. <i>Phytobiomes Journal</i> , 2019, 3, 191-202.	2.7	43
32	Acclimative changes in root epidermal cell fate in response to Fe and P deficiency: a specific role for auxin?. <i>Protoplasma</i> , 2001, 218, 67-75.	2.1	37
33	The treasure inside barley seeds: microbial diversity and plant beneficial bacteria. <i>Environmental Microbiomes</i> , 2021, 16, 20.	5.0	37
34	RNase E Affects the Expression of the Acyl-Homoserine Lactone Synthase Gene <i>sinI</i> in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2014, 196, 1435-1447.	2.2	34
35	Salmonella persistence in soil depends on reciprocal interactions with indigenous microorganisms. <i>Environmental Microbiology</i> , 2020, 22, 2639-2652.	3.8	34
36	Priming Is a Suitable Strategy to Enhance Resistance Towards Leaf Rust in Barley. <i>Phytobiomes Journal</i> , 2019, 3, 46-51.	2.7	30

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37	The Salmonella effector protein SpvC, a phosphothreonine lyase is functional in plant cells. <i>Frontiers in Microbiology</i> , 2014, 5, 548.	3.5	27
38	An image classification approach to analyze the suppression of plant immunity by the human pathogen <i>Salmonella Typhimurium</i> . <i>BMC Bioinformatics</i> , 2012, 13, 171.	2.6	23
39	Tillage shapes the soil and rhizosphere microbiome of barley but not its susceptibility towards <i>Blumeria graminis</i> f. sp. <i>hordei</i> . <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	23
40	Editorial on plants as alternative hosts for human and animal pathogens. <i>Frontiers in Microbiology</i> , 2015, 6, 397.	3.5	22
41	Persistence of <i>Salmonella Typhimurium</i> LT2 in Soil Enhanced after Growth in Lettuce Medium. <i>Frontiers in Microbiology</i> , 2017, 8, 757.	3.5	22
42	Lignin Extraction and Quantification, a Tool to Monitor Defense Reaction at the Plant Cell Wall Level. <i>Bio-protocol</i> , 2015, 5, .	0.4	21
43	Mechanisms adopted by <i>Salmonella</i> to colonize plant hosts. <i>Food Microbiology</i> , 2021, 99, 103833.	4.2	20
44	Agricultural production systems can serve as reservoir for human pathogens. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	19
45	Hormones induce an Fe-deficiency-like root epidermal cell pattern in the Fe-inefficient tomato mutant <i>fer</i> . <i>Protoplasma</i> , 2000, 213, 67-73.	2.1	18
46	Image-based Analysis to Study Plant Infection with Human Pathogens. <i>Computational and Structural Biotechnology Journal</i> , 2014, 12, 1-6.	4.1	17
47	Composted Sewage Sludge Influences the Microbiome and Persistence of Human Pathogens in Soil. <i>Microorganisms</i> , 2020, 8, 1020.	3.6	17
48	Expression, localization, and regulation of the iron transporter <i>LeIRT1</i> in tomato roots. <i>Plant and Soil</i> , 2006, 284, 101-108.	3.7	16
49	AHL-priming for enhanced resistance as a tool in sustainable agriculture. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	16
50	<i>Salmonella</i> Heterogeneously Expresses Flagellin during Colonization of Plants. <i>Microorganisms</i> , 2020, 8, 815.	3.6	15
51	Priming negatively affects feeding behaviour and aphid biomass of <i>Rhopalosiphum padi</i> on barley. <i>Journal of Pest Science</i> , 2021, 94, 1237-1247.	3.7	14
52	<i>Salmonella</i> adapts to plants and their environment during colonization of tomatoes. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	13
53	Modified N-acyl-homoserine lactones as chemical probes for the elucidation of plant-microbe interactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6994.	2.8	12
54	RNase E and RNase J are needed for S-adenosylmethionine homeostasis in <i>Sinorhizobium meliloti</i> . <i>Microbiology (United Kingdom)</i> , 2017, 163, 570-583.	1.8	11

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55	Combined omics approaches reveal distinct responses between light and heavy rare earth elements in <i>Saccharomyces cerevisiae</i> . <i>Journal of Hazardous Materials</i> , 2022, 425, 127830.	12.4	8
56	Biocontrol of Plant Diseases Using <i>Glycyrrhiza glabra</i> Leaf Extract. <i>Plant Disease</i> , 2022, 106, 3133-3144.	1.4	8
57	Barley Rhizosphere Microbiome Transplantation – A Strategy to Decrease Susceptibility of Barley Grown in Soils With Low Microbial Diversity to Powdery Mildew. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	8
58	Modulation of the root epidermal phenotype by hormones, inhibitors and iron regime. <i>Plant and Soil</i> , 2002, 241, 87-96.	3.7	5
59	Detection of Bacterial Quorum Sensing Molecules. <i>Methods in Molecular Biology</i> , 2018, 1734, 171-179.	0.9	5
60	Editorial: Plant responses to bacterial quorum sensing molecules. <i>Frontiers in Plant Science</i> , 2015, 6, 643.	3.6	4
61	Sewage sludge amendment and inoculation with plant-parasitic nematodes do not facilitate the internalization of <i>Salmonella Typhimurium</i> LT2 in lettuce plants. <i>Food Microbiology</i> , 2018, 71, 111-119.	4.2	4
62	Dual Expression of the <i>Salmonella</i> Effector Srfj in Mammalian Cells and Plants. <i>Frontiers in Microbiology</i> , 2017, 8, 2410.	3.5	3
63	Interaction between <i>Salmonella</i> and Plants: Potential Hosts and Vectors for Human Infection. , 0, , .		3
64	Editorial: Multilateral Interactions in the Rhizosphere. <i>Frontiers in Microbiology</i> , 2021, 12, 798728.	3.5	1
65	Editorial: Plants as Alternative Hosts for Human and Animal Pathogens – Second Edition. <i>Frontiers in Microbiology</i> , 2020, 11, 1439.	3.5	0