Ron R Walcott

List of Publications by Year
in descending order

70 papers	2,482 citations	186209 28 h-index	214721 47 g-index
73 all docs	73 docs citations	73 times ranked	1250 citing authors

#	Article	IF	Citations
1	Acidovorax citrulli: generating basic and applied knowledge to tackle a global threat to the cucurbit industry. Molecular Plant Pathology, 2012, 13, 805-815.	2.0	147
2	Recent Trends in Microbiological Safety of Fruits and Vegetables. Plant Health Progress, 2003, 4, .	0.8	145
3	The Epidemiology and Management of Seedborne Bacterial Diseases. Annual Review of Phytopathology, 2007, 45, 371-397.	3.5	122
4	Detection of Acidovorax avenae subsp. citrulli in Watermelon Seed Using Immunomagnetic Separation and the Polymerase Chain Reaction. Plant Disease, 2000, 84, 470-474.	0.7	120
5	Differences in Pathogenicity between two Genetically Distinct Groups of Acidovorax avenae subsp. citrulli on Cucurbit Hosts. Journal of Phytopathology, 2004, 152, 277-285.	0.5	111
6	Investigating Intraspecific Variation of Acidovorax avenae subsp. citrulli Using DNA Fingerprinting and Whole Cell Fatty Acid Analysis. Phytopathology, 2000, 90, 191-196.	1.1	92
7	Natural Infestation of Onion Seed by Pantoea ananatis, Causal Agent of Center Rot. Plant Disease, 2002, 86, 106-111.	0.7	89
8	Recovery of Pantoea ananatis, causal agent of center rot of onion, from weeds and crops in Georgia, USA. Crop Protection, 2002, 21, 983-989.	1.0	86
9	Role of Blossoms in Watermelon Seed Infestation by Acidovorax avenae subsp. citrulli. Phytopathology, 2003, 93, 528-534.	1.1	83
10	Efficacy of a Nonpathogenic Acidovorax citrulli Strain as a Biocontrol Seed Treatment for Bacterial Fruit Blotch of Cucurbits. Plant Disease, 2011, 95, 697-704.	0.7	75
11	The type <scp>VI</scp> protein secretion system contributes to biofilm formation and seedâ€toâ€seedling transmission of <scp>A</scp>cidovorax citrulli on melon. Molecular Plant Pathology, 2015, 16, 38-47.	2.0	74
12	Transmission of Pantoea ananatis, Causal Agent of Center Rot of Onion, by Tobacco Thrips, Frankliniella fusca. Plant Disease, 2003, 87, 675-678.	0.7	73
13	Simultaneous Detection of Acidovorax avenae subsp. citrulli and Didymella bryoniae in Cucurbit Seedlots Using Magnetic Capture Hybridization and Real-Time Polymerase Chain Reaction. Phytopathology, 2009, 99, 666-678.	1.1	68
14	Comparative Analysis of Type III Secreted Effector Genes Reflects Divergence of Acidovorax citrulli Strains into Three Distinct Lineages. Phytopathology, 2014, 104, 1152-1162.	1.1	53
15	Biological Control to Protect Watermelon Blossoms and Seed from Infection by Acidovorax avenae subsp. citrulli. Phytopathology, 2005, 95, 413-419.	1.1	51
16	Detection of Seedborne Pathogens. HortTechnology, 2003, 13, 40-47.	0.5	49
17	Colonization of Female Watermelon Blossoms by Acidovorax avenae ssp. citrulli and the Relationship between Blossom Inoculum Dosage and Seed Infestation. Journal of Phytopathology, 2007, 155, 114-121.	0.5	47
18	New subspeciesâ€specific polymerase chain reactionâ€based assay for the detection of Acidovorax avenae subsp. citrulli. Plant Pathology, 2008, 57, 754-763.	1.2	47

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19	Development of an Improved Isolation Approach and Simple Sequence Repeat Markers To Characterize Phytophthora capsici Populations in Irrigation Ponds in Southern Georgia. Applied and Environmental Microbiology, 2009, 75, 5467-5473.	1.4	46
20	First Report of a Fruit Rot of Pumpkin Caused by Acidivorax avenae subsp. citrulli in Georgia. Plant Disease, 1999, 83, 199-199.	0.7	46
21	Location of Acidovorax citrulli in Infested Watermelon Seeds Is Influenced by the Pathway of Bacterial Invasion. Phytopathology, 2012, 102, 461-468.	1.1	42
22	Show me your secret(ed) weapons: a multifaceted approach reveals a wide arsenal of type IIIâ€secreted effectors in the cucurbit pathogenic bacterium Acidovorax citrulli and novel effectors in the Acidovorax genus. Molecular Plant Pathology, 2020, 21, 17-37.	2.0	42
23	Involvement of hrpX and hrpG in the Virulence of Acidovorax citrulli Strain Aac5, Causal Agent of Bacterial Fruit Blotch in Cucurbits. Frontiers in Microbiology, 2018, 9, 507.	1.5	39
24	Induction of the viable but nonculturable state in Clavibacter michiganensis subsp. michiganensis and in planta resuscitation of the cells on tomato seedlings. Plant Pathology, 2016, 65, 826-836.	1.2	33
25	Further Characterization of Genetically Distinct Groups of Acidovorax citrulli Strains. Phytopathology, 2017, 107, 29-35.	1.1	33
26	Fusarium verticillioides induction of maize seed rot and its control. Canadian Journal of Botany, 2003, 81, 422-428.	1.2	31
27	Acidovorax citrulli Seed Inoculum Load Affects Seedling Transmission and Spread of Bacterial Fruit Blotch of Watermelon Under Greenhouse Conditions. Plant Disease, 2012, 96, 705-711.	0.7	31
28	Progress towards a commercial PCR-based seed assay for Acidovorax avenae subsp. citrulli. Seed Science and Technology, 2006, 34, 101-116.	0.6	30
29	An improved real-time PCR system for broad-spectrum detection of Didymella bryoniae, the causal agent of gummy stem blight of cucurbits. Seed Science and Technology, 2010, 38, 692-703.	0.6	30
30	The acyl-homoserine lactone (AHL)-type quorum sensing system affects growth rate, swimming motility and virulence in Acidovorax avenae subsp. citrulli. World Journal of Microbiology and Biotechnology, 2011, 27, 1155-1166.	1.7	28
31	Further Evidence of Cucurbit Host Specificity among Acidovorax citrulli Groups Based on a Detached Melon Fruit Pathogenicity Assay. Phytopathology, 2017, 107, 1305-1311.	1.1	27
32	Induction and Resuscitation of the Viable but Non-culturable (VBNC) State in Acidovorax citrulli, the Causal Agent of Bacterial Fruit Blotch of Cucurbitaceous Crops. Frontiers in Microbiology, 2019, 10, 1081.	1.5	26
33	Quorum Sensing Contributes to Seedâ€toâ€Seedling Transmission of <scp>A</scp>cidovorax citrulli on Watermelon. Journal of Phytopathology, 2013, 161, 562-573.	0.5	24
34	Simultaneous Detection of Xanthomonas oryzae pv. oryzae and X. oryzae pv. oryzicola in Rice Seed Using a Padlock Probe-Based Assay. Phytopathology, 2014, 104, 1130-1137.	1.1	24
35	Ferric Uptake Regulator (FurA) is Required for Acidovorax citrulli Virulence on Watermelon. Phytopathology, 2019, 109, 1997-2008.	1.1	24
36	Nicotiana species as surrogate host for studying the pathogenicity of Acidovorax citrulli, the causal agent of bacterial fruit blotch of cucurbits. Molecular Plant Pathology, 2019, 20, 800-814.	2.0	24

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37	Detection of Botrytis aclada in onion seed using magnetic capture hybridization and the polymerase chain reaction. Seed Science and Technology, 2004, 32, 425-438.	0.6	23
38	Strains of the Group I Lineage of Acidovorax citrulli, the Causal Agent of Bacterial Fruit Blotch of Cucurbitaceous Crops, are Predominant in Brazil. Phytopathology, 2016, 106, 1486-1494.	1.1	22
39	Insights from the Genome Sequence of Acidovorax citrulli M6, a Group I Strain of the Causal Agent of Bacterial Fruit Blotch of Cucurbits. Frontiers in Microbiology, 2016, 7, 430.	1.5	19
40	Advances in detection of Acidovorax citrulli, the causal agent of bacterial fruit blotch of cucurbits. Seed Science and Technology, 2013, 41, 1-15.	0.6	18
41	Identification and Functional Analysis of AopN, an Acidovorax Citrulli Effector that Induces Programmed Cell Death in Plants. International Journal of Molecular Sciences, 2020, 21, 6050.	1.8	18
42	Integrated Pest Management Of Bacterial Fruit Blotch Of Cucurbits. , 2008, , 191-209.		18
43	Effects of Mulch and Irrigation System on Sweet Onion: I. Bolting, Plant Growth, and Bulb Yield and Quality. Journal of the American Society for Horticultural Science, 2004, 129, 218-224.	0.5	18
44	Development of a Real-time RT-PCR Assay for Squash Mosaic Virus Useful for Broad Spectrum Detection of Various Serotypes and its Incorporation into a Multiplex Seed Health Assay. Journal of Phytopathology, 2011, 159, 649-656.	0.5	17
45	Detection of Asymptomatic Fungal Infections of Soybean Seeds by Ultrasound Analysis. Plant Disease, 1998, 82, 584-589.	0.7	15
46	Acidovorax citrulli Type III Effector AopP Suppresses Plant Immunity by Targeting the Watermelon Transcription Factor WRKY6. Frontiers in Plant Science, 2020, 11, 579218.	1.7	15
47	Natural Outbreak of a Bacterial Fruit Rot of Cantaloupe in Georgia Caused by Acidovorax avenae subsp. citrulli. Plant Disease, 2000, 84, 372-372.	0.7	13
48	Embryo Localization Enhances the Survival of Acidovorax citrulli in Watermelon Seeds. Phytopathology, 2016, 106, 330-338.	1.1	12
49	Reliable and Sensitive Detection of Acidovorax citrulli in Cucurbit Seed Using a Padlock-Probe-Based Assay. Plant Disease, 2013, 97, 961-966.	0.7	11
50	Complete Assembly of the Genome of an Acidovorax citrulli Strain Reveals a Naturally Occurring Plasmid in This Species. Frontiers in Microbiology, 2019, 10, 1400.	1.5	11
51	Evaluation of suitable reference genes for normalization of quantitative reverse transcription PCR analyses in Clavibacter michiganensis. MicrobiologyOpen, 2019, 8, e928.	1.2	11
52	Effects of Mulch and Irrigation System on Sweet Onion: II. The Epidemiology of Center Rot. Journal of the American Society for Horticultural Science, 2004, 129, 225-230.	0.5	11
53	Distribution of phytopathogenic bacteria in infested seeds. Seed Science and Technology, 2013, 41, 383-397.	0.6	10
54	Development of a multiplex PCR assay based on the pilA gene sequences to detect different types of Acidovorax citrulli. Journal of Microbiological Methods, 2019, 158, 93-98.	0.7	10

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55	Genetically Distinct Acidovorax citrulli Strains Display Cucurbit Fruit Preference Under Field Conditions. Phytopathology, 2020, 110, 973-980.	1.1	10
56	Progress Towards a Realâ€time PCR Assay for the Simultaneous Detection of Clavibacter michiganensis subsp. michiganensis and Pepino mosaic virus in Tomato Seed. Journal of Phytopathology, 2012, 160, 353-363.	0.5	9
57	Pathways of bacterial invasion and watermelon seed infection by Acidovorax citrulli. Plant Pathology, 2015, 64, 537-544.	1.2	9
58	Factors influencing the detection of Acidovorax citrulli in naturally contaminated cucurbitaceous seeds by PCR-based assays. Seed Science and Technology, 2018, 46, 93-106.	0.6	9
59	Transmission of human enteric pathogens from artificially-inoculated flowers to vegetable sprouts/seedlings developed via contaminated seeds. Food Control, 2019, 99, 21-27.	2.8	9
60	Prevalence of Acidovorax citrulli in Commercial Cucurbit Seedlots During 2010â€“2018 in China. Plant Disease, 2020, 104, 255-259.	0.7	9
61	Visual detection of Didymella bryoniae in cucurbit seeds using a loop-mediated isothermal amplification assay. European Journal of Plant Pathology, 2017, 147, 255-263.	0.8	8
62	A Quantitative Real-time Polymerase Chain Reaction Assay for Botrytis aclada in Onion Bulb Tissue. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 408-413.	0.5	7
63	Evidence for fungicide-resistant seed-borne inoculum for gummy stem blight of watermelon. Seed Science and Technology, 2014, 42, 92-96.	0.6	5
64	Evidence for a Novel Phylotype of Pseudomonas syringae Causing Bacterial Leaf Blight of Cantaloupe in China. Plant Disease, 2017, 101, 1746-1752.	0.7	5
65	Patterns of Seed-to-Seedling Transmission of Xanthomonas citri pv. malvacearum, the Causal Agent of Cotton Bacterial Blight. Phytopathology, 2021, 111, 2176-2184.	1.1	4
66	Location of Acidovorax citrulli in watermelon seeds affects efficiency of pathogen detection by seed health testing. Seed Science and Technology, 2012, 40, 309-319.	0.6	3
67	Detection of Puccinia pelargoniiâ€zonalisâ€infected Geranium Tissues and Urediniospores. Journal of Phytopathology, 2013, 161, 341-347.	0.5	3
68	Occurrence of Bacterial Stripe of Pearl Millet in Georgia. Plant Disease, 2002, 86, 326-326.	0.7	3
69	Acidovorax citrulli is sensitive to elevated temperatures during early stages of watermelon seed germination. Seed Science and Technology, 2020, 48, 11-20.	0.6	2
70	Fermentation: An Unreliable Seed Treatment for Bacterial Fruit Blotch of Watermelon. Plant Disease, 2021, 105, 1026-1033.	0.7	2