

Richard M Bostock

List of Publications by Year in descending order

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81
papers

6,502
citations

87888

38
h-index

71685

76
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81
all docs

81
docs citations

81
times ranked

6622
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid In Situ Assay for Indoleacetic Acid Production by Bacteria Immobilized on a Nitrocellulose Membrane. <i>Applied and Environmental Microbiology</i> , 1991, 57, 535-538.	3.1	1,055
2	Signal Crosstalk and Induced Resistance: Straddling the Line Between Cost and Benefit. <i>Annual Review of Phytopathology</i> , 2005, 43, 545-580.	7.8	525
3	Induced Systemic Resistance (ISR) Against Pathogens in the Context of Induced Plant Defences. <i>Annals of Botany</i> , 2002, 89, 503-512.	2.9	476
4	Phylogenetics and Taxonomy of the Fungal Vascular Wilt Pathogen <i>Verticillium</i> , with the Descriptions of Five New Species. <i>PLoS ONE</i> , 2011, 6, e28341.	2.5	263
5	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 1597-1609.	1.8	258
6	INTERACTIONS BETWEEN ABSCISIC-ACID-MEDIATED RESPONSES AND PLANT RESISTANCE TO PATHOGENS AND INSECTS. <i>Ecology</i> , 2004, 85, 48-58.	3.2	241
7	Cross-talk between jasmonate and salicylate plant defense pathways: effects on several plant parasites. <i>Oecologia</i> , 2002, 131, 227-235.	2.0	191
8	Predisposition in Plant Disease: Exploiting the Nexus in Abiotic and Biotic Stress Perception and Response. <i>Annual Review of Phytopathology</i> , 2014, 52, 517-549.	7.8	188
9	Specificity of induced resistance in the tomato, <i>Lycopersicon esculentum</i> . <i>Oecologia</i> , 1997, 113, 74-81.	2.0	185
10	Antagonism between jasmonate- and salicylate-mediated induced plant resistance: effects of concentration and timing of elicitation on defense-related proteins, herbivore, and pathogen performance in tomato. <i>Journal of Chemical Ecology</i> , 2002, 28, 1131-1159.	1.8	162
11	Expression of the antiapoptotic baculovirus p35 gene in tomato blocks programmed cell death and provides broad-spectrum resistance to disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15217-15221.	7.1	156
12	Arachidonic Acid: An Evolutionarily Conserved Signaling Molecule Modulates Plant Stress Signaling Networks. <i>Plant Cell</i> , 2010, 22, 3193-3205.	6.6	152
13	The Ascomycete <i>Verticillium longisporum</i> Is a Hybrid and a Plant Pathogen with an Expanded Host Range. <i>PLoS ONE</i> , 2011, 6, e18260.	2.5	150
14	A six locus phylogeny reveals high species diversity in Botryosphaeriaceae from California almond. <i>Mycologia</i> , 2010, 102, 1350-1368.	1.9	140
15	Fatty acids and early detection of pathogens. <i>Current Opinion in Plant Biology</i> , 2013, 16, 520-526.	7.1	137
16	Regulation of Em Gene Expression in Rice. <i>Plant Physiology</i> , 1992, 98, 1356-1363.	4.8	136
17	Apoptosis: A Functional Paradigm for Programmed Plant Cell Death Induced by a Host-Selective Phytotoxin and Invoked during Development. <i>Plant Cell</i> , 1996, 8, 375.	6.6	120
18	Factors Affecting the Elicitation of Sesquiterpenoid Phytoalexin Accumulation by Eicosapentaenoic and Arachidonic Acids in Potato. <i>Plant Physiology</i> , 1982, 70, 1417-1424.	4.8	114

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19	Signal Interactions in Induced Resistance to Pathogens and Insect Herbivores. <i>European Journal of Plant Pathology</i> , 2001, 107, 103-111.	1.7	113
20	Involvement of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase in the Regulation of Sesquiterpenoid Phytoalexin Synthesis in Potato. <i>Plant Physiology</i> , 1987, 84, 404-408.	4.8	111
21	Identification and Differentiation of <i>Verticillium</i> Species and <i>V. longisporum</i> Lineages by Simplex and Multiplex PCR Assays. <i>PLoS ONE</i> , 2013, 8, e65990.	2.5	80
22	Fruit Exocarp Phenols in Relation to Quiescence and Development of <i>Monilinia fructicola</i> Infections in <i>Prunus</i> spp.: A Role for Cellular Redox?. <i>Phytopathology</i> , 2007, 97, 269-277.	2.2	78
23	Rapid Stimulation of 5-Lipoxygenase Activity in Potato by the Fungal Elicitor Arachidonic Acid. <i>Plant Physiology</i> , 1992, 100, 1448-1456.	4.8	74
24	Stimulation and attenuation of induced resistance by elicitors and inhibitors of chemical induction in tomato (<i>Lycopersicon esculentum</i>) foliage. <i>Entomologia Experimentalis Et Applicata</i> , 1998, 86, 267-279.	1.4	67
25	Susceptibility of Walnut and Hickory Species to <i>Geosmithia morbida</i> . <i>Plant Disease</i> , 2013, 97, 601-607.	1.4	65
26	Nuclear DNA degradation during heterokaryon incompatibility in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2003, 40, 126-137.	2.1	59
27	Application of Genomic and Quantitative Genetic Tools to Identify Candidate Resistance Genes for Brown Rot Resistance in Peach. <i>PLoS ONE</i> , 2013, 8, e78634.	2.5	55
28	Hydroperoxides of fatty acids induce programmed cell death in tomato protoplasts. <i>Physiological and Molecular Plant Pathology</i> , 2001, 59, 277-286.	2.5	53
29	Overexpression of a Redox-Regulated Cutinase Gene, <i>MfCUT1</i> , Increases Virulence of the Brown Rot Pathogen <i>Monilinia fructicola</i> on <i>Prunus</i> spp.. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 176-186.	2.6	53
30	Sphingosine-related mycotoxins in plant and animal diseases. <i>Canadian Journal of Botany</i> , 1995, 73, 459-467.	1.1	52
31	Induction, Regulation, and Role in Pathogenesis of Appressoria in <i>Monilinia fructicola</i> . <i>Phytopathology</i> , 2006, 96, 1072-1080.	2.2	52
32	Abscisic Acid in Salt Stress Predisposition to <i>Phytophthora</i> Root and Crown Rot in Tomato and <i>Chrysanthemum</i> . <i>Phytopathology</i> , 2010, 100, 871-879.	2.2	52
33	A Circadian Rhythm-Regulated Tomato Gene Is Induced by Arachidonic Acid and <i>Phytophthora infestans</i> Infection. <i>Plant Physiology</i> , 2006, 140, 235-248.	4.8	50
34	Differential Induction and Suppression of Potato 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Genes in Response to <i>Phytophthora infestans</i> and to Its Elicitor Arachidonic Acid. <i>Plant Cell</i> , 1992, 4, 1333.	6.6	45
35	Molecular Cloning, Characterization, and Expression of a Redox-Responsive Cutinase from <i>Monilinia fructicola</i> (Wint.) Honey. <i>Fungal Genetics and Biology</i> , 2002, 35, 261-276.	2.1	45
36	<i>Agrobacterium</i> T-DNA-mediated integration and gene replacement in the brown rot pathogen <i>Monilinia fructicola</i> . <i>Current Genetics</i> , 2006, 49, 309-322.	1.7	43

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37	Caspase inhibitors reduce symptom development and limit bacterial proliferation in susceptible plant tissues. <i>Physiological and Molecular Plant Pathology</i> , 2001, 59, 213-221.	2.5	42
38	Evidence for release of the elicitor arachidonic acid and its metabolites from sporangia of <i>Phytophthora infestans</i> during infection of potato. <i>Physiological and Molecular Plant Pathology</i> , 1992, 41, 61-72.	2.5	41
39	Population genomics demystifies the defoliation phenotype in the plant pathogen <i>Verticillium dahliae</i> . <i>New Phytologist</i> , 2019, 222, 1012-1029.	7.3	41
40	Affinity Purification and Characterization of a Cutinase from the Fungal Plant Pathogen <i>Monilinia fructicola</i> (Wint.) Honey. <i>Archives of Biochemistry and Biophysics</i> , 2000, 382, 31-38.	3.0	38
41	β-glucans and eicosapolyenoic acids as MAMPs in plant-fungal interactions: past and present. <i>Frontiers in Plant Science</i> , 2014, 5, 797.	3.6	38
42	Wingnut (<i>Juglandaceae</i>) as a new generic host for <i>Pityophthorus juglandis</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547	0.8	33
43	Salicylic acid mitigates physiological and proteomic changes induced by the SPCP1 strain of Potato virus X in tomato plants. <i>Physiological and Molecular Plant Pathology</i> , 2016, 93, 1-11.	2.5	33
44	The 73-kb pIAA plasmid increases competitive fitness of <i>Pseudomonas syringae</i> subspecies <i>savastanoi</i> in oleander. <i>Canadian Journal of Microbiology</i> , 1993, 39, 659-664.	1.7	30
45	Induced resistance in tomato by SAR activators during predisposing salinity stress. <i>Frontiers in Plant Science</i> , 2013, 4, 116.	3.6	29
46	Improved Detection of Polygalacturonase Activity due to <i>Mucor piriformis</i> with a Modified Dinitrosalicylic Acid Reagent. <i>Phytopathology</i> , 1997, 87, 161-163.	2.2	26
47	The National Plant Diagnostic Network: Partnering to Protect Plant Systems. <i>Plant Disease</i> , 2014, 98, 708-715.	1.4	25
48	Characterization of potato tuber lipoxygenase cDNAs and lipoxygenase expression in potato tubers and leaves. <i>Physiologia Plantarum</i> , 1998, 102, 257-271.	5.2	23
49	<i>Fusarium</i> spp., <i>Cylindrocarpum</i> spp., and Environmental Stress in the Etiology of a Canker Disease of Cold-Stored Fruit and Nut Tree Seedlings in California. <i>Plant Disease</i> , 2013, 97, 259-270.	1.4	22
50	DNA barcoding, phylogeny and phylogeography of the cyst nematode species from the genus <i>Globodera</i> (Tylenchida: Heteroderidae). <i>Nematology</i> , 2020, 22, 269-297.	0.6	20
51	Abscisic Acid as a Dominant Signal in Tomato During Salt Stress Predisposition to <i>Phytophthora</i> Root and Crown Rot. <i>Frontiers in Plant Science</i> , 2018, 9, 525.	3.6	19
52	Microclimate Impacts Survival and Prevalence of <i>Phytophthora ramorum</i> in <i>Umbellularia californica</i> , a Key Reservoir Host of Sudden Oak Death in Northern California Forests. <i>PLoS ONE</i> , 2014, 9, e98195.	2.5	19
53	Expression of Five Endopolygalacturonase Genes and Demonstration that MfPG1 Overexpression Diminishes Virulence in the Brown Rot Pathogen <i>Monilinia fructicola</i> . <i>PLoS ONE</i> , 2015, 10, e0132012.	2.5	19
54	DEA1, a circadian- and cold-regulated tomato gene, protects yeast cells from freezing death. <i>Plant Molecular Biology</i> , 2006, 62, 547-559.	3.9	18

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55	Rapid changes in protein synthesis after application of arachidonic acid to potato tuber tissue. <i>Physiological and Molecular Plant Pathology</i> , 1989, 35, 347-356.	2.5	15
56	Episodic Abiotic Stress as a Potential Contributing Factor to Onset and Severity of Disease Caused by <i>Phytophthora ramorum</i> in <i>Rhododendron</i> and <i>Viburnum</i> . <i>Plant Disease</i> , 2009, 93, 912-918.	1.4	15
57	Biology and Sources of Inoculum of <i>Geotrichum candidum</i> Causing Sour Rot of Peach and Nectarine Fruit in California. <i>Plant Disease</i> , 2012, 96, 204-210.	1.4	14
58	Nitrogen increases hull rot and interferes with the hull split phenology in almond (<i>Prunus dulcis</i>). <i>Scientia Horticulturae</i> , 2016, 199, 41-48.	3.6	14
59	Eicosapolyenoic acids. <i>Plant Signaling and Behavior</i> , 2011, 6, 531-533.	2.4	13
60	Plant health: How diagnostic networks and interagency partnerships protect plant systems from pests and pathogens. <i>California Agriculture</i> , 2014, 68, 117-124.	0.8	13
61	Effects of <i>Phytophthora ramorum</i> on volatile organic compound emissions of <i>Rhododendron</i> using gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1475-1487.	3.7	11
62	Coordination of Diagnostic Efforts in the Great Plains: Wheat Virus Survey and Modeling of Disease Onset. <i>Plant Disease</i> , 2016, 100, 1037-1045.	1.4	9
63	Seasonal Variation in Host Susceptibility to <i>Fusarium</i> Canker in Young Almond Trees. <i>Plant Disease</i> , 2020, 104, 772-779.	1.4	8
64	Trap Assays of the Walnut Twig Beetle, <i>Pityophthorus juglandis</i> Blackman (Coleoptera: Curculionidae). <i>Journal of Economic Entomology</i> , 2020, 46, 1047-1058.	1.8	8
65	Eicosapolyenoic fatty acids alter oxylipin gene expression and fatty acid hydroperoxide profiles in tomato and pepper roots. <i>Physiological and Molecular Plant Pathology</i> , 2020, 109, 101444.	2.5	7
66	Trapping Failure Leads to Discovery of Potent Semiochemical Repellent for the Walnut Twig Beetle. <i>Journal of Economic Entomology</i> , 2020, 113, 2772-2784.	1.8	7
67	A study of landing behaviour by the walnut twig beetle, <i>Pityophthorus juglandis</i> , among host and nonhost hardwood trees in a northern California riparian forest. <i>Agricultural and Forest Entomology</i> , 2020, 22, 338-348.	1.3	7
68	Emerging Infectious Plant Diseases. <i>Plant Disease</i> , 2000, 84, 337-366.		7
69	Interoperation of Organizational Data, Rules, Processes and Services for Achieving Inter-Organizational Coordination and Collaboration. <i>Journal of Management Information Systems</i> , 2011, 28, 103-124.		6
70	Propiconazole Sensitivity in Populations of <i>Geotrichum candidum</i> , the Cause of Sour Rot of Peach and Nectarine, in California. <i>Plant Disease</i> , 2012, 96, 752-758.	1.4	6
71	Polyketide Synthase Gene Expression in Relation to Chloromonilicin and Melanin Production in <i>Monilinia fructicola</i> . <i>Phytopathology</i> , 2020, 110, 1465-1475.	2.2	6
72	Eicosapolyenoic fatty acids induce defense responses and resistance to <i>Phytophthora capsici</i> in tomato and pepper. <i>Physiological and Molecular Plant Pathology</i> , 2021, 114, 101642.	2.5	6

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73	Analysis of Volatile Profiles for Tracking Asymptomatic Infections of <i>Phytophthora ramorum</i> and Other Pathogens in <i>Rhododendron</i> . <i>Phytopathology</i> , 2021, 111, 1818-1827.	2.2	5
74	<i>Cylindrocladiella hahajimaensis</i> , a new species of <i>Cylindrocladiella</i> transferred from <i>Verticillium</i> . <i>MycKeys</i> , 0, 4, 1-8.	1.9	4
75	An roGFP2-Based Bacterial Bioreporter for Redox Sensing of Plant Surfaces. <i>Phytopathology</i> , 2020, 110, 297-308.	2.2	4
76	Superinduction of the Em gene in rice suspension cells in the presence of ABA and cycloheximide. <i>Plant Cell Reports</i> , 1999, 18, 848-852.	5.6	2
77	Walnut twig beetle landing rates differ between host and nonhost hardwood trees under the influence of aggregation pheromone in a northern California riparian forest. <i>Agricultural and Forest Entomology</i> , 2021, 23, 111-120.	1.3	1
78	The Effect of Applied Salinity and Water Stress on Chemical Suppression of <i>Phytophthora ramorum</i> from Soilborne Inoculum in <i>Rhododendron</i> . <i>Plant Disease</i> , 2021, 105, 2929-2937.	1.4	1
79	Genetic Diversity and Potential Inoculum Sources of <i>Fusarium</i> Species Causing Cankers in Bareroot-Propagated Almond Trees in California Nurseries. <i>Plant Disease</i> , 2021, , .	1.4	1
80	Construction of a Plant Transient Expression Vector which Coexpresses the Marker β -glucuronidase. <i>Plant Molecular Biology Reporter</i> , 1998, 16, 367-367.	1.8	0
81	Assessment of Semiochemical Repellents for Protecting Walnut Trees From Walnut Twig Beetle (Coleoptera: Curculionidae) Attack in a Commercial Orchard Setting in California. <i>Journal of Economic Entomology</i> , 2021, 114, 1180-1188.	1.8	0