

Richard M Bostock

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

5,118
citations

35
h-index

71
g-index

81
ext. papers

5,788
ext. citations

3.9
avg, IF

5.69
L-index

#	Paper	IF	Citations
80	Rapid in situ assay for indoleacetic Acid production by bacteria immobilized on a nitrocellulose membrane. <i>Applied and Environmental Microbiology</i> , 1991 , 57, 535-8	4.8	745
79	Signal crosstalk and induced resistance: straddling the line between cost and benefit. <i>Annual Review of Phytopathology</i> , 2005 , 43, 545-80	10.8	467
78	Induced systemic resistance (ISR) against pathogens in the context of induced plant defences. <i>Annals of Botany</i> , 2002 , 89, 503-12	4.1	386
77	Trade-Offs in Plant Defense Against Pathogens and Herbivores: A Field Demonstration of Chemical Elicitors of Induced Resistance. <i>Journal of Chemical Ecology</i> , 1999 , 25, 1597-1609	2.7	202
76	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	3.7	198
75	INTERACTIONS BETWEEN ABSCISIC-ACID-MEDIATED RESPONSES AND PLANT RESISTANCE TO PATHOGENS AND INSECTS. <i>Ecology</i> , 2004 , 85, 48-58	4.6	187
74	Cross-talk between jasmonate and salicylate plant defense pathways: effects on several plant parasites. <i>Oecologia</i> , 2002 , 131, 227-235	2.9	175
73	Specificity of induced resistance in the tomato, <i>Lycopersicon esculentum</i> . <i>Oecologia</i> , 1997 , 113, 74-81	2.9	160
72	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, 15217-21	11.5	142
71	Predisposition in plant disease: exploiting the nexus in abiotic and biotic stress perception and response. <i>Annual Review of Phytopathology</i> , 2014 , 52, 517-49	10.8	140
70	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, 1131-59	2.7	133
69	Regulation of Em Gene Expression in Rice : Interaction between Osmotic Stress and Abscisic Acid. <i>Plant Physiology</i> , 1992 , 98, 1356-63	6.6	126
68	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	3.7	125
67	A six locus phylogeny reveals high species diversity in Botryosphaeriaceae from California almond. <i>Mycologia</i> , 2010 , 102, 1350-68	2.4	119
66	Arachidonic acid: an evolutionarily conserved signaling molecule modulates plant stress signaling networks. <i>Plant Cell</i> , 2010 , 22, 3193-205	11.6	116
65	Factors affecting the elicitation of sesquiterpenoid phytoalexin accumulation by eicosapentaenoic and arachidonic acids in potato. <i>Plant Physiology</i> , 1982 , 70, 1417-24	6.6	106
64	Involvement of 3-hydroxy-3-methylglutaryl coenzyme a reductase in the regulation of sesquiterpenoid phytoalexin synthesis in potato. <i>Plant Physiology</i> , 1987 , 84, 404-8	6.6	99

63	Fatty acids and early detection of pathogens. <i>Current Opinion in Plant Biology</i> , 2013 , 16, 520-6	9.9	98
62	Signal Interactions in Induced Resistance to Pathogens and Insect Herbivores. <i>European Journal of Plant Pathology</i> , 2001 , 107, 103-111	2.1	90
61	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	11.6	78
60	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, 269-77	3.8	74
59	Rapid stimulation of 5-lipoxygenase activity in potato by the fungal elicitor arachidonic Acid. <i>Plant Physiology</i> , 1992 , 100, 1448-56	6.6	69
58	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 ^{2.1}		56
57	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	3.7	55
56	Nuclear DNA degradation during heterokaryon incompatibility in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2003 , 40, 126-37	3.9	55
55	Susceptibility of Walnut and Hickory Species to <i>Geosmithia morbida</i> . <i>Plant Disease</i> , 2013 , 97, 601-607	1.5	52
54	A circadian rhythm-regulated tomato gene is induced by Arachidonic acid and <i>Phytophthora infestans</i> infection. <i>Plant Physiology</i> , 2006 , 140, 235-48	6.6	45
53	Hydroperoxides of fatty acids induce programmed cell death in tomato protoplasts. <i>Physiological and Molecular Plant Pathology</i> , 2001 , 59, 277-286	2.6	44
52	Induction, Regulation, and Role in Pathogenesis of Appressoria in <i>Monilinia fructicola</i> . <i>Phytopathology</i> , 2006 , 96, 1072-80	3.8	43
51	Sphingosine-related mycotoxins in plant and animal diseases. <i>Canadian Journal of Botany</i> , 1995 , 73, 459-467		42
50	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, 261-76	3.9	41
49	Abscisic acid in salt stress predisposition to phytophthora root and crown rot in tomato and chrysanthemum. <i>Phytopathology</i> , 2010 , 100, 871-9	3.8	38
48	Caspase inhibitors reduce symptom development and limit bacterial proliferation in susceptible plant tissues. <i>Physiological and Molecular Plant Pathology</i> , 2001 , 59, 213-221	2.6	38
47	Overexpression of a redox-regulated cutinase gene, MFCUT1, increases virulence of the brown rot pathogen <i>Monilinia fructicola</i> on <i>Prunus</i> spp. <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 176-86	3.6	36
46	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	3.7	35

45	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, 31-8	4.1	33
44	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	2.6	33
43	<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, 309-22	2.9	30
42	Wingnut (Juglandaceae) as a new generic host for <i>Pityophthorus juglandis</i> (Coleoptera: Curculionidae) and the thousand cankers disease pathogen, <i>Geosmithia morbida</i> (Ascomycota: Hypocreales). <i>Canadian Entomologist</i> , 2016 , 148, 83-91	0.7	28
41	β-glucans and eicosapolyenoic acids as MAMPs in plant-oomycete interactions: past and present. <i>Frontiers in Plant Science</i> , 2014 , 5, 797	6.2	27
40	Improved Detection of Polygalacturonase Activity due to <i>Mucor piriformis</i> with a Modified Dinitrosalicylic Acid Reagent. <i>Phytopathology</i> , 1997 , 87, 161-3	3.8	22
39	Population genomics demystifies the defoliation phenotype in the plant pathogen <i>Verticillium dahliae</i> . <i>New Phytologist</i> , 2019 , 222, 1012-1029	9.8	21
38	Characterization of potato tuber lipoxygenase cDNAs and lipoxygenase expression in potato tubers and leaves. <i>Physiologia Plantarum</i> , 1998 , 102, 257-271	4.6	20
37	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, 659-64	3.2	19
36	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	11.6	19
35	Induced resistance in tomato by SAR activators during predisposing salinity stress. <i>Frontiers in Plant Science</i> , 2013 , 4, 116	6.2	18
34	The National Plant Diagnostic Network: Partnering to Protect Plant Systems. <i>Plant Disease</i> , 2014 , 98, 708-715	1.5	17
33	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	2.6	15
32	<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	1.5	15
31	DEA1, a circadian- and cold-regulated tomato gene, protects yeast cells from freezing death. <i>Plant Molecular Biology</i> , 2006 , 62, 547-59	4.6	15
30	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	3.7	14
29	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	1.5	13
28	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	2.6	13

27	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	3.7	13
26	Eicosapolyenoic acids: novel MAMPs with reciprocal effect on oomycete-plant defense signaling networks. <i>Plant Signaling and Behavior</i> , 2011 , 6, 531-3	2.5	12
25	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	1.5	11
24	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	0.9	10
23	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	6.2	9
22	Plant health: How diagnostic networks and interagency partnerships protect plant systems from pests and pathogens. <i>California Agriculture</i> , 2014 , 68, 117-124	1.1	9
21	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	4.1	8
20	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	4.4	7
19	Coordination of Diagnostic Efforts in the Great Plains: Wheat Virus Survey and Modeling of Disease Onset. <i>Plant Disease</i> , 2016 , 100, 1037-1045	1.5	7
18	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	1.9	5
17	Interoperation of Organizational Data, Rules, Processes and Services for Achieving Inter-Organizational Coordination and Collaboration 2011 ,		5
16	Trap Assays of the Walnut Twig Beetle, <i>Pityophthorus juglandis</i> Blackman (Coleoptera: Curculionidae: Scolytinae), Reveal an Effective Semiochemical Repellent Combination. <i>Journal of Chemical Ecology</i> , 2020 , 46, 1047-1058	2.7	5
15	Trapping Failure Leads to Discovery of Potent Semiochemical Repellent for the Walnut Twig Beetle. <i>Journal of Economic Entomology</i> , 2020 , 113, 2772-2784	2.2	4
14	Emerging Infectious Plant Diseases337-366		4
13	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	1.5	3
12	<i>Cylindrocladiella hahajimaensis</i> , a new species of <i>Cylindrocladiella</i> transferred from <i>Verticillium</i> . <i>MycKeys</i> , 2012 , 4, 1-8	2.4	3
11	An roGFP2-Based Bacterial Bioreporter for Redox Sensing of Plant Surfaces. <i>Phytopathology</i> , 2020 , 110, 297-308	3.8	3
10	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	2.6	3

9	Polyketide Synthase Gene Expression in Relation to Chloromonilicin and Melanin Production in. <i>Phytopathology</i> , 2020 , 110, 1465-1475	3.8	3
8	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	5.1	2
7	Analysis of Volatile Profiles for Tracking Asymptomatic Infections of and Other Pathogens in. <i>Phytopathology</i> , 2021 , PHYTO10200472R	3.8	2
6	Seasonal Variation in Host Susceptibility to Fusarium Canker in Young Almond Trees. <i>Plant Disease</i> , 2020 , 104, 772-779	1.5	1
5	Eicosapolyenoic fatty acids induce defense responses and resistance to Phytophthora capsici in tomato and pepper. <i>Physiological and Molecular Plant Pathology</i> , 2021 , 114, 101642	2.6	1
4	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	1.9	1
3	Construction of a Plant Transient Expression Vector which Coexpresses the Marker Eglucuronidase. <i>Plant Molecular Biology Reporter</i> , 1998 , 16, 367-367	1.7	
2	The Effect of Applied Salinity and Water Stress on Chemical Suppression of from Soilborne Inoculum in. <i>Plant Disease</i> , 2021 , PDIS09201928RE	1.5	
1	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	2.2	