

Zamir K Punja

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101
papers

2,526
citations

26
h-index

47
g-index

105
ext. papers

2,923
ext. citations

2.7
avg, IF

5.81
L-index

#	Paper	IF	Citations
101	Genetic engineering of plants to enhance resistance to fungal pathogens? a review of progress and future prospects. <i>Canadian Journal of Plant Pathology</i> , 2001 , 23, 216-235	1.6	187
100	Genetic Change Within Populations of Phytophthora infestans in the United States and Canada During 1994 to 1996: Role of Migration and Recombination. <i>Phytopathology</i> , 1998 , 88, 939-49	3.8	173
99	Using fungi and yeasts to manage vegetable crop diseases. <i>Trends in Biotechnology</i> , 2003 , 21, 400-7	15.1	140
98	Seaweed extract reduces foliar fungal diseases on carrot. <i>Crop Protection</i> , 2008 , 27, 1360-1366	2.7	125
97	Metabolic engineering of novel ketocarotenoid production in carrot plants. <i>Transgenic Research</i> , 2008 , 17, 489-501	3.3	118
96	Commercial extract from the brown seaweed <i>Ascophyllum nodosum</i> reduces fungal diseases in greenhouse cucumber. <i>Journal of Applied Phycology</i> , 2011 , 23, 353-361	3.2	101
95	Factors Influencing Development of Root Rot on Ginseng Caused by <i>Cylindrocarpum destructans</i> . <i>Phytopathology</i> , 2005 , 95, 1381-90	3.8	83
94	Broad-spectrum disease resistance to necrotrophic and biotrophic pathogens in transgenic carrots (<i>Daucus carota</i> L.) expressing an Arabidopsis NPR1 gene. <i>Planta</i> , 2009 , 231, 131-41	4.7	76
93	Combined expression of chitinase and lipid transfer protein genes in transgenic carrot plants enhances resistance to foliar fungal pathogens. <i>Plant Cell Reports</i> , 2007 , 26, 1539-46	5.1	70
92	Biochemistry of ginseng root tissues affected by rusty root symptoms. <i>Plant Physiology and Biochemistry</i> , 2005 , 43, 1103-14	5.4	68
91	Genetic engineering for increasing fungal and bacterial disease resistance in crop plants. <i>GM Crops</i> , 2010 , 1, 199-206		61
90	Fungal pathogens of American ginseng (<i>Panax quinquefolium</i>) in British Columbia. <i>Canadian Journal of Plant Pathology</i> , 1997 , 19, 301-306	1.6	59
89	Tissue culture and Agrobacterium-mediated transformation of hemp (<i>Cannabis sativa</i> L.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003 , 39, 578-585	2.3	55
88	Chitinase and beta-1,3-glucanase enzyme production by the mycoparasite <i>Clonostachys rosea</i> f. <i>catenulata</i> against fungal plant pathogens. <i>Canadian Journal of Microbiology</i> , 2009 , 55, 356-67	3.2	51
87	Comparative resistance to foliar fungal pathogens in transgenic carrot plants expressing genes encoding for chitinase, β 1,3-glucanase and peroxidase. <i>European Journal of Plant Pathology</i> , 2009 , 123, 331-342	2.1	50
86	Biological control of damping-off and root rot caused by <i>Pythium aphanidermatum</i> on greenhouse cucumbers. <i>Canadian Journal of Plant Pathology</i> , 2003 , 25, 411-417	1.6	49
85	Pathogens and Molds Affecting Production and Quality of L. <i>Frontiers in Plant Science</i> , 2019 , 10, 1120	6.2	41

84	Enhanced resistance to foliar fungal pathogens in carrot by application of elicitors. <i>Annals of Applied Biology</i> , 2009 , 155, 71-80	2.6	40
83	Influence of Postharvest Handling Practices and Dip Treatments on Development of Black Root Rot on Fresh Market Carrots. <i>Plant Disease</i> , 1993 , 77, 989	1.5	39
82	Transgenic carrots expressing a thaumatin-like protein display enhanced resistance to several fungal pathogens. <i>Canadian Journal of Plant Pathology</i> , 2005 , 27, 291-296	1.6	36
81	Comparative efficacy of bacteria, fungi, and yeasts as biological control agents for diseases of vegetable crops. <i>Canadian Journal of Plant Pathology</i> , 1997 , 19, 315-323	1.6	34
80	Inoculum prevalence, host infection and biological control of <i>Colletotrichum acutatum</i> : causal agent of blueberry anthracnose in British Columbia. <i>Plant Pathology</i> , 2006 , 55, 442-450	2.8	33
79	Genetic Diversity among Natural and Cultivated Field Populations and Seed Lots of American Ginseng (<i>Panax quinquefolius</i> L.) in Canada. <i>International Journal of Plant Sciences</i> , 2002 , 163, 427-439	2.6	31
78	Host range and mycotoxin production by <i>Fusarium equiseti</i> isolates originating from ginseng fields ¹ . <i>Canadian Journal of Plant Pathology</i> , 2008 , 30, 155-160	1.6	29
77	Glyphosate treatment of bean seedlings causes short-term increases in <i>Pythium</i> populations and damping off potential in soils. <i>Applied Soil Ecology</i> , 1998 , 8, 25-33	5	28
76	Molecular and Biological Characterization of a Mitovirus in <i>Chalara elegans</i> (<i>Thielaviopsis basicola</i>). <i>Phytopathology</i> , 2006 , 96, 468-79	3.8	28
75	Colonization of cucumber plants by the biocontrol fungus <i>Clonostachys rosea</i> f. <i>catenulata</i> . <i>Biological Control</i> , 2008 , 46, 267-278	3.8	26
74	Growth, population dynamics, and diversity of <i>Fusarium equiseti</i> in ginseng fields. <i>European Journal of Plant Pathology</i> , 2008 , 121, 173-184	2.1	26
73	Effects of <i>Bacillus subtilis</i> strain QST 713 and storage temperatures on post-harvest disease development on greenhouse tomatoes. <i>Crop Protection</i> , 2016 , 84, 98-104	2.7	23
72	American ginseng: research developments, opportunities, and challenges. <i>Journal of Ginseng Research</i> , 2011 , 35, 368-74	5.8	23
71	Flower and foliage-infecting pathogens of marijuana (<i>Cannabis sativa</i> L.) plants. <i>Canadian Journal of Plant Pathology</i> , 2018 , 40, 514-527	1.6	23
70	Transgenic carrot plants accumulating ketocarotenoids show tolerance to UV and oxidative stresses. <i>Plant Physiology and Biochemistry</i> , 2008 , 46, 875-83	5.4	22
69	Co-infection by two distinct totivirus-like double-stranded RNA elements in <i>Chalara elegans</i> (<i>Thielaviopsis basicola</i>). <i>Virus Research</i> , 2005 , 109, 71-85	6.4	22
68	Comparative expression of beta-glucuronidase with five different promoters in transgenic carrot (<i>Daucus carota</i> L.) root and leaf tissues. <i>Plant Cell Reports</i> , 2008 , 27, 279-87	5.1	21
67	Diversity, complexity and transmission of double-stranded RNA elements in <i>Chalara elegans</i> (synonym. <i>Thielaviopsis basicola</i>). <i>Mycological Research</i> , 2006 , 110, 697-704		20

66	Influence of iron on cylindrocarpon root rot development on ginseng. <i>Phytopathology</i> , 2006 , 96, 1179-87,8	20
65	Genetic diversity among mycelial compatibility groups of <i>Sclerotium rolfsii</i> (teleomorph <i>Athelia rolfsii</i>) and <i>S. delphinii</i> . <i>Mycological Research</i> , 2001 , 105, 537-546	20
64	Composts containing fluorescent pseudomonads suppress fusarium root and stem rot development on greenhouse cucumber. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 896-905	3.2 18
63	Molecular and biochemical characterization of defense responses in ginseng (<i>Panax quinquefolius</i>) roots challenged with <i>Fusarium equiseti</i> . <i>Physiological and Molecular Plant Pathology</i> , 2008 , 72, 10-20	2.6 18
62	Root and crown rot pathogens causing wilt symptoms on field-grown marijuana (<i>Cannabis sativa</i> L.) plants. <i>Canadian Journal of Plant Pathology</i> , 2018 , 40, 528-541	1.6 17
61	Morphological and molecular characterization of <i>Chalara elegans</i> (<i>Thielaviopsis basicola</i>), cause of black root rot on diverse plant species. <i>Canadian Journal of Botany</i> , 1999 , 77, 1801-1812	16
60	Identification and role of <i>Pythium</i> species as glyphosate synergists on bean (<i>Phaseolus vulgaris</i>) grown in different soils. <i>Mycological Research</i> , 1996 , 100, 971-978	15
59	Induction and characterization of chitinase isoforms in cucumber (<i>Cucumis sativus</i> L.): effect of elicitors, wounding and pathogen inoculation. <i>Plant Science</i> , 1994 , 99, 141-150	5.3 15
58	Emerging diseases of <i>Cannabis sativa</i> and sustainable management. <i>Pest Management Science</i> , 2021 , 77, 3857-3870	4.6 15
57	<i>Fusarium</i> and <i>Pythium</i> species infecting roots of hydroponically grown marijuana (<i>Cannabis sativa</i> L.) plants. <i>Canadian Journal of Plant Pathology</i> , 2018 , 40, 498-513	1.6 15
56	Investigating biospeckle laser analysis as a diagnostic method to assess sprouting damage in wheat seeds. <i>Computers and Electronics in Agriculture</i> , 2017 , 141, 238-247	6.5 14
55	Factors influencing colonization of cucumber roots by <i>Clonostachys rosea</i> f. <i>catenulata</i> , a biological disease control agent. <i>Biocontrol Science and Technology</i> , 2010 , 20, 37-55	1.7 14
54	Multiplication and germination of somatic embryos of American ginseng derived from suspension cultures and biochemical and molecular analyses of plantlets. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004 , 40, 329-338	2.3 14
53	Fungal Disease Resistance in Plants	14
52	Environmental and host requirements for field infection of blueberry fruits by <i>Colletotrichum acutatum</i> in British Columbia. <i>Plant Pathology</i> , 2007 , 56, 107	2.8 13
51	Tissue culture of parasitic flowering plants: Methods and applications in agriculture and forestry. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1999 , 35, 369-381	2.3 13
50	Mycelial growth and pathogenesis by <i>Rhizoctonia carotae</i> on carrot. <i>Canadian Journal of Plant Pathology</i> , 1987 , 9, 24-31	1.6 13
49	Efficacy of <i>Bacillus subtilis</i> strain QST 713 (Rhapsody) against four major diseases of greenhouse cucumbers. <i>Crop Protection</i> , 2019 , 124, 104845	2.7 12

48	Floral Biology and Seed Production in Cultivated North American Ginseng (<i>Panax quinquefolius</i>). <i>Journal of the American Society for Horticultural Science</i> , 2000 , 125, 567-575	2.3	12
47	Hermaphroditism in Marijuana (<i>L.</i>) Inflorescences - Impact on Floral Morphology, Seed Formation, Progeny Sex Ratios, and Genetic Variation. <i>Frontiers in Plant Science</i> , 2020 , 11, 718	6.2	11
46	Evaluation of biological control agents for control of botrytis blight of geranium and powdery mildew of rose. <i>Canadian Journal of Plant Pathology</i> , 2011 , 33, 499-505	1.6	11
45	Biological control of damping-off on American ginseng (<i>Panax quinquefolius</i>) by <i>Clonostachys rosea</i> f. <i>catenulata</i> (= <i>Gliocladium catenulatum</i>). <i>Canadian Journal of Plant Pathology</i> , 2007 , 29, 203-207	1.6	11
44	Generation of low copy number and stably expressing transgenic creeping bentgrass plants using minimal gene cassette bombardment. <i>Biologia Plantarum</i> , 2008 , 52, 215-221	2.1	10
43	Influence of double-stranded RNAs on growth, sporulation, pathogenicity, and survival of <i>Chalara elegans</i> . <i>Canadian Journal of Botany</i> , 1995 , 73, 1001-1009		10
42	The biology of Canadian weeds. 105. <i>Rubus strigosus</i> Michx., <i>Rubus parviflorus</i> Nutt., and <i>Rubus spectabilis</i> Pursh.. <i>Canadian Journal of Plant Science</i> , 1996 , 76, 187-201	1	9
41	Fruit infection and postharvest decay of greenhouse tomatoes caused by <i>Penicillium</i> species in British Columbia. <i>Canadian Journal of Plant Pathology</i> , 2012 , 34, 524-535	1.6	8
40	Assessing Genetic Diversity in <i>Cannabis sativa</i> Using Molecular Approaches 2017 , 395-418		8
39	Evaluation of disease management approaches for powdery mildew on <i>Cannabis sativa</i> L. (marijuana) plants. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 394-412	1.6	8
38	Influence of culture conditions on mycelial growth and phialospore production and germination in <i>Chalara elegans</i> . <i>Canadian Journal of Botany</i> , 1993 , 71, 447-456		7
37	Effects of a foliar fertilizer containing boron on the development of <i>Sclerotinia</i> stem rot (<i>Sclerotinia sclerotiorum</i>) on canola (<i>Brassica napus</i> L.) leaves. <i>Journal of Phytopathology</i> , 2020 , 168, 47-55 ⁸		7
36	The diverse mycoflora present on dried cannabis (<i>Cannabis sativa</i> L., marijuana) inflorescences in commercial production. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 88-100	1.6	7
35	Epidemiology of <i>Fusarium oxysporum</i> causing root and crown rot of cannabis (<i>Cannabis sativa</i> L., marijuana) plants in commercial greenhouse production. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 216-235	1.6	7
34	Vascular blackening of wasabi rhizomes caused by <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . <i>European Journal of Plant Pathology</i> , 2009 , 124, 483-493	2.1	6
33	In vitro germination and development of western hemlock dwarf mistletoe. <i>Plant Cell, Tissue and Organ Culture</i> , 2001 , 66, 97-105	2.7	6
32	Greenhouse Cucumber Cultivars Differ in Susceptibility to <i>Fusarium</i> Root and Stem Rot. <i>HortTechnology</i> , 2004 , 14, 240-242	1.3	6
31	Management of Fungal Diseases on Cucumber (<i>Cucumis sativus</i> L.) and Tomato (<i>Solanum lycopersicum</i> L.) Crops in Greenhouses Using <i>Bacillus subtilis</i> . <i>Bacilli in Climate Resilient Agriculture and Bioprospecting</i> , 2019 , 1-28	1.2	6

30	Role of fruit surface mycoflora, wounding and storage conditions on post-harvest disease development on greenhouse tomatoes. <i>Canadian Journal of Plant Pathology</i> , 2016 , 38, 448-459	1.6	5
29	Growth, pathogenicity and infection behaviour, and genetic diversity of <i>Rhexocercosporidium panici</i> isolates from ginseng roots in British Columbia. <i>Canadian Journal of Plant Pathology</i> , 2013 , 35, 503-513	1.6	5
28	Carrot (<i>Daucus carota</i> L.). <i>Methods in Molecular Biology</i> , 2006 , 344, 3-12	1.4	5
27	Virulence of <i>Chalara elegans</i> on bean leaves, and host-tissue responses to infection. <i>Canadian Journal of Plant Pathology</i> , 2004 , 26, 52-62	1.6	5
26	Chitinase profiles in mature carrot (<i>Daucus carota</i>) roots and purification and characterization of a novel isoform. <i>Physiologia Plantarum</i> , 1996 , 96, 130-138	4.6	5
25	Hemp (<i>Cannabis sativa</i> L.). <i>Methods in Molecular Biology</i> , 2015 , 1224, 319-29	1.4	5
24	First report of <i>Fusarium proliferatum</i> causing crown and stem rot, and pith necrosis, in cannabis (<i>Cannabis sativa</i> L., marijuana) plants. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 236-255	1.6	5
23	The Role of <i>Agrobacterium</i> -Mediated and Other Gene-Transfer Technologies in Cannabis Research and Product Development 2017 , 343-363		4
22	Phoma leaf spot of wasabi (<i>Wasabia japonica</i>) caused by <i>Leptosphaeria biglobosa</i> . <i>Plant Pathology</i> , 2017 , 66, 480-489	2.8	4
21	Do western boxelder bugs sunbathe for sanitation? Inferences from in vitro experiments. <i>Entomologia Experimentalis Et Applicata</i> , 2012 , 145, 38-49	2.1	4
20	Assessment of host specificity among different species of glyphosate synergistic <i>Pythium</i> . <i>Mycological Research</i> , 1996 , 100, 1445-1453		4
19	Relationships Among Soil Depth, Soil Texture, and Inoculum Placement in Infection of Carrot Roots by Eruptively Germinating <i>Sclerotia</i> of <i>Sclerotium rolfsii</i> . <i>Phytopathology</i> , 1986 , 76, 976	3.8	4
18	Management of powdery mildew on greenhouse cucumber (<i>Cucumis sativus</i> L.) plants using biological and chemical approaches. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 35-42	1.6	4
17	Occurrence of botrytis leaf blight, anthracnose leaf spot, and white blister rust on <i>Wasabia japonica</i> in British Columbia. <i>Canadian Journal of Plant Pathology</i> , 2017 , 39, 60-71	1.6	3
16	Histopathology of Callus and Germinating Seeds of <i>Arceuthobium tsugense</i> subsp. <i>tsugense</i> Infected by <i>Cylindrocarpon cylindroides</i> and <i>Colletotrichum gloeosporioides</i> . <i>International Journal of Plant Sciences</i> , 2002 , 163, 765-773	2.6	3
15	Morphological and molecular characterization of <i>Chalara elegans</i> (<i>Thielaviopsis basicola</i>), cause of black root rot on diverse plant species. <i>Canadian Journal of Botany</i> , 2000 , 77, 1801-1812		3
14	Progression of root rot on processing carrots due to <i>Sclerotium rolfsii</i> and the relationship of disease incidence to inoculum density. <i>Canadian Journal of Plant Pathology</i> , 1986 , 8, 297-304	1.6	3
13	Research news highlights. <i>Canadian Journal of Plant Pathology</i> , 2009 , 31, 263-264	1.6	2

12	Occurrence of <i>Phoma argillacea</i> on <i>Rubus spectabilis</i> in British Columbia and an evaluation of its potential as a forest weed biological control agent. <i>Canadian Journal of Plant Pathology</i> , 2008 , 30, 74-84	1.6	2
11	Biological Control Of Fungal Diseases On Vegetable Crops With Fungi And Yeasts. <i>Mycology</i> , 2003 ,		2
10	Carrot (<i>Daucus carota</i> L.). <i>Methods in Molecular Biology</i> , 2015 , 1224, 59-66	1.4	2
9	The bud rot pathogens infecting cannabis (<i>Cannabis sativa</i> L., marijuana) inflorescences: symptomology, species identification, pathogenicity and biological control. <i>Canadian Journal of Plant Pathology</i> , 1-28	1.6	2
8	Several <i>Pythium</i> species cause crown and root rot on cannabis (<i>Cannabis sativa</i> L., marijuana) plants grown under commercial greenhouse conditions. <i>Canadian Journal of Plant Pathology</i> , 1-16	1.6	2
7	Variables Affecting Shoot Growth and Plantlet Recovery in Tissue Cultures of Drug-Type L. <i>Frontiers in Plant Science</i> , 2021 , 12, 732344	6.2	2
6	Characterization of a novel dsRNA endornavirus in the plant pathogenic fungus <i>Thielaviopsis basicola</i> . <i>Mycology</i> , 2014 , 5, 10-15	3.7	1
5	Transgenic Vegetables 2011 , 31-54		1
4	First report of the powdery mildew pathogen of hops, <i>Podosphaeria macularis</i> , naturally infecting cannabis (<i>Cannabis sativa</i> L., marijuana) plants under field conditions. <i>Canadian Journal of Plant Pathology</i> , 1-15	1.6	1
3	The <i>Fusarium solani</i> species complex infecting cannabis (<i>Cannabis sativa</i> L., marijuana) plants and a first report of <i>Fusarium</i> (<i>Cylindrocarpon</i>) <i>lichenicola</i> causing root and crown rot. <i>Canadian Journal of Plant Pathology</i> , 2021 , 43, 567-581	1.6	1
2	Interactions Between <i>Clonostachys rosea</i> f. <i>catenulata</i> , <i>Fusarium oxysporum</i> and Cucumber Roots Leading to Biological Control of <i>Fusarium</i> Root and Stem Rot 2010 , 93-106		0
1	Assessing Aerated Vermicompost Tea Combined with Microbial Biological Control Agents for Suppression of and. <i>Phytopathology</i> , 2021 , 111, 1137-1151	3.8	