

# Antonietta L De Cal

## List of Publications by Year in descending order

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100  
papers

2,637  
citations

136950

32  
h-index

223800

46  
g-index

101  
all docs

101  
docs citations

101  
times ranked

1593  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Secondary Metabolism Pathway Involved in the Production of a Putative Toxin Is Expressed at Early Stage of <i>Monilinia laxa</i> Infection. <i>Frontiers in Plant Science</i> , 2022, 13, 818483.	3.6	1
2	Influence of light on the <i>Monilinia laxa</i> " stone fruit interaction. <i>Plant Pathology</i> , 2021, 70, 326-335.	2.4	8
3	Effect of chemical alternatives to methyl bromide on soil-borne disease incidence and fungal populations in Spanish strawberry nurseries: A long-term study. <i>Pest Management Science</i> , 2021, 77, 766-774.	3.4	6
4	Light-Photoreceptors and Proteins Related to <i>Monilinia laxa</i> Photoresponses. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 203.	3.5	6
5	Field validation of biocontrol strategies to control brown rot on stone fruit in several European countries. <i>Pest Management Science</i> , 2021, 77, 2502-2511.	3.4	13
6	Epidemiological Studies of Brown Rot in Spanish Cherry Orchards in the Jerte Valley. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 203.	3.5	9
7	Development of a multiplex PCR for the identification of <i>Fusarium solani</i> and <i>F. oxysporum</i> in a single step. <i>Journal of Plant Diseases and Protection</i> , 2021, 128, 1275-1290.	2.9	3
8	Comparative Genomics Used to Predict Virulence Factors and Metabolic Genes among <i>Monilinia</i> Species. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 464.	3.5	11
9	Depicting the battle between nectarine and <i>Monilinia laxa</i> : the fruit developmental stage dictates the effectiveness of the host defenses and the pathogen's infection strategies. <i>Horticulture Research</i> , 2020, 7, 167.	6.3	25
10	Balance between resilient fruit surface microbial community and population of <i>Monilinia</i> spp. after biopesticide field applications of <i>Penicillium frequentans</i> . <i>International Journal of Food Microbiology</i> , 2020, 333, 108788.	4.7	5
11	Impact of Postharvest Handling on Preharvest Latent Infections Caused by <i>Monilinia</i> spp. in Nectarines. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 266.	3.5	11
12	Proteomic Studies to Understand the Mechanisms of Peach Tissue Degradation by <i>Monilinia laxa</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1286.	3.6	12
13	Pectin as Carbon Source for <i>Monilinia laxa</i> Exoproteome and Expression Profiles of Related Genes. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1116-1128.	2.6	13
14	Impact of Genomic Resources on Improving the Mode of Action of Biocontrol Agents Against Plant Pathogens. <i>Progress in Biological Control</i> , 2020, , 203-229.	0.5	0
15	Biocontrol Should Focus on Multiple Pest Targets. <i>Progress in Biological Control</i> , 2020, , 127-145.	0.5	0
16	Which Biocontrol Strategies Best Fit with Other IPM System Components?. <i>Progress in Biological Control</i> , 2020, , 231-256.	0.5	0
17	Genetic Diversity and Vegetative Compatibility of <i>Fusarium solani</i> Species Complex of Strawberry in Spain. <i>Phytopathology</i> , 2019, 109, 2142-2151.	2.2	7
18	Dispersion, persistence, and stability of the biocontrol agent <i>Penicillium frequentans</i> strain 909 after stone fruit tree applications. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29138-29156.	5.3	5

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19	Characterization of <i>Fusarium solani</i> Populations Associated with Spanish Strawberry Crops. <i>Plant Disease</i> , 2019, 103, 1974-1982.	1.4	12
20	Labeling of <i>Monilinia fructicola</i> with GFP and Its Validation for Studies on Host-Pathogen Interactions in Stone and Pome Fruit. <i>Genes</i> , 2019, 10, 1033.	2.4	3
21	Compatibility interactions between the biocontrol agent <i>Penicillium frequentans</i> Pf909 and other existing strategies to brown rot control. <i>Biological Control</i> , 2019, 129, 45-54.	3.0	17
22	Degrading enzymes and phytotoxins in <i>Monilinia</i> spp. <i>European Journal of Plant Pathology</i> , 2019, 154, 305-318.	1.7	18
23	“Nazaret”™ Strawberry. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1384-1386.	1.0	1
24	Genome Sequence of the Brown Rot Fungal Pathogen <i>Monilinia laxa</i> . <i>Genome Announcements</i> , 2018, 6, .	0.8	17
25	Surfactant effects on wettability of <i>Penicillium frequentans</i> formulations to improve brown rot biocontrol. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5832-5840.	3.5	10
26	Molecular Techniques to Register and Commercialize a <i>Penicillium rubens</i> Strain as a Biocontrol Agent. , 2018, , 97-117.		5
27	Detection of Latent <i>Monilinia</i> Infections in Nectarine Flowers and Fruit by qPCR. <i>Plant Disease</i> , 2017, 101, 1002-1008.	1.4	12
28	Adaptive conditions and safety of the application of <i>Penicillium frequentans</i> as a biocontrol agent on stone fruit. <i>International Journal of Food Microbiology</i> , 2017, 254, 25-35.	4.7	18
29	Competition is the mechanism of biocontrol of brown rot in stone fruit by <i>Penicillium frequentans</i> . <i>BioControl</i> , 2017, 62, 557-566.	2.0	14
30	Biological control of brown rot in stone fruit using <i>Bacillus amyloliquefaciens</i> CPA-8 under field conditions. <i>Crop Protection</i> , 2017, 102, 72-80.	2.1	37
31	Fruit maturity and post-harvest environmental conditions influence the pre-penetration stages of <i>Monilinia</i> infections in peaches. <i>International Journal of Food Microbiology</i> , 2017, 241, 117-122.	4.7	17
32	Microscopic Analyses of Latent and Visible <i>Monilinia fructicola</i> Infections in Nectarines. <i>PLoS ONE</i> , 2016, 11, e0160675.	2.5	23
33	Biocomes: new biological products for sustainable farming and forestry. <i>Acta Horticulturae</i> , 2016, , 469-472.	0.2	0
34	The effect of fungicide resistance on the structure of <i>Monilinia laxa</i> populations in Spanish peach and nectarine orchards. <i>European Journal of Plant Pathology</i> , 2016, 145, 815-827.	1.7	23
35	Growth and aggressiveness factors affecting <i>Monilinia</i> spp. survival peaches. <i>International Journal of Food Microbiology</i> , 2016, 227, 6-12.	4.7	22
36	The development of genetic and molecular markers to register and commercialize <i>Penicillium rubens</i> (formerly <i>Penicillium oxalicum</i> ) strain 212 as a biocontrol agent. <i>Microbial Biotechnology</i> , 2016, 9, 89-99.	4.2	22

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37	Growth and aggressiveness factors affecting <i>Monilinia</i> spp. survival peaches. <i>International Journal of Food Microbiology</i> , 2016, 224, 22-27.	4.7	14
38	Development of a rapid and direct method for the determination of organic acids in peach fruit using LC-ESI-MS. <i>Food Chemistry</i> , 2016, 192, 268-273.	8.2	32
39	Sensitivity of <i>Monilinia fructicola</i> from Spanish peach orchards to thiophanate-methyl, iprodione, and cyproconazole: fitness analysis and competitiveness. <i>European Journal of Plant Pathology</i> , 2015, 141, 789-801.	1.7	38
40	Overwintering of <i>Monilinia</i> spp. on Mummified Stone Fruit. <i>Journal of Phytopathology</i> , 2015, 163, 160-167.	1.0	14
41	Ecophysiological requirements on growth and survival of the biocontrol agent <i>Penicillium oxalicum</i> 212 in different sterile soils. <i>Applied Soil Ecology</i> , 2014, 78, 18-27.	4.3	4
42	Vegetative compatibility groups and sexual reproduction among Spanish <i>Monilinia fructicola</i> isolates obtained from peach and nectarine orchards, but not <i>Monilinia laxa</i> . <i>Fungal Biology</i> , 2014, 118, 484-494.	2.5	19
43	SOIL DISINFECTION IN SPANISH STRAWBERRY NURSERIES - THREE YEARS WITHOUT METHYL BROMIDE. <i>Acta Horticulturae</i> , 2014, , 691-696.	0.2	3
44	Occurrence of <i>Monilinia laxa</i> and <i>M. fructigena</i> after introduction of <i>M. fructicola</i> in peach orchards in Spain. <i>European Journal of Plant Pathology</i> , 2013, 137, 835-845.	1.7	67
45	Persistence, survival, vertical dispersion, and horizontal spread of the biocontrol agent, <i>Penicillium oxalicum</i> strain 212, in different soil types. <i>Applied Soil Ecology</i> , 2013, 67, 27-36.	4.3	12
46	Role of gluconic acid and pH modulation in virulence of <i>Monilinia fructicola</i> on peach fruit. <i>Postharvest Biology and Technology</i> , 2013, 86, 418-423.	6.0	31
47	<i>Penicillium oxalicum</i> reduces the number of cysts and juveniles of potato cyst nematodes. <i>Journal of Applied Microbiology</i> , 2013, 115, 199-206.	3.1	30
48	Use of Biofungicides for Controlling Plant Diseases to Improve Food Availability. <i>Agriculture (Switzerland)</i> , 2012, 2, 109-124.	3.1	13
49	Secondary inoculum dynamics of <i>Monilinia</i> spp. and relationship to the incidence of postharvest brown rot in peaches and the weather conditions during the growing season. <i>European Journal of Plant Pathology</i> , 2012, 133, 585-598.	1.7	37
50	Analysis of genetic diversity in <i>Monilinia fructicola</i> from the Ebro Valley in Spain using ISSR and RAPD markers. <i>European Journal of Plant Pathology</i> , 2012, 132, 511-524.	1.7	30
51	Resistance of several strawberry cultivars against three different pathogens. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 502.	0.6	18
52	MONITORING CONIDIAL DENSITY OF <i>MONILINIA</i> SPP. ON PEACH SURFACE IN RELATION TO BROWN ROT DEVELOPMENT IN ORCHARDS. <i>Acta Horticulturae</i> , 2012, , 455-462.	0.2	0
53	High Chlorogenic and Neochlorogenic Acid Levels in Immature Peaches Reduce <i>Monilinia laxa</i> Infection by Interfering with Fungal Melanin Biosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3205-3213.	5.2	104
54	Primary Inoculum Sources of <i>Monilinia</i> spp. in Spanish Peach Orchards and Their Relative Importance in Brown Rot. <i>Plant Disease</i> , 2010, 94, 1048-1054.	1.4	40

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55	Development of a dried <i>Penicillium oxalicum</i> conidial formulation for use as a biological agent against <i>Fusarium</i> wilt of tomato: Selection of optimal additives and storage conditions for maintaining conidial viability. <i>Biological Control</i> , 2010, 54, 221-229.	3.0	19
56	Enhancing the adhesion of <i>Epicoccum nigrum</i> conidia to peach surfaces and its relationship to the biocontrol of brown rot caused by <i>Monilinia laxa</i> . <i>Journal of Applied Microbiology</i> , 2010, 109, 583-593.	3.1	15
57	Management <i>Fusarium</i> wilt on melon and watermelon by <i>Penicillium oxalicum</i> . <i>Biological Control</i> , 2009, 51, 480-486.	3.0	38
58	Conidial density of <i>Monilinia</i> spp. on peach fruit surfaces in relation to the incidences of latent infections and brown rot. <i>European Journal of Plant Pathology</i> , 2009, 123, 415-424.	1.7	36
59	Population dynamics of <i>Epicoccum nigrum</i> , a biocontrol agent against brown rot in stone fruit. <i>Journal of Applied Microbiology</i> , 2009, 106, 592-605.	3.1	67
60	Relationship between number and type of adhesions of <i>Penicillium oxalicum</i> conidia to tomato roots and biological control of tomato wilt. <i>Biological Control</i> , 2009, 48, 244-251.	3.0	12
61	EVALUATION OF RESISTANCE OF SEVERAL STRAWBERRY SELECTIONS AGAINST MAIN FUNGAL PATHOGENS. <i>Acta Horticulturae</i> , 2009, , 211-214.	0.2	1
62	DETECTION OF STRAWBERRY PATHOGENS BY REAL-TIME PCR. <i>Acta Horticulturae</i> , 2009, , 263-266.	0.2	4
63	ALTERNATIVES TO METHYL BROMIDE FOR STRAWBERRY NURSERY PRODUCTION IN SPAIN. <i>Acta Horticulturae</i> , 2009, , 965-968.	0.2	2
64	First Report of Brown Rot Caused by <i>Monilinia fructicola</i> in Peach Orchards in Ebro Valley, Spain. <i>Plant Disease</i> , 2009, 93, 763-763.	1.4	63
65	The Peach Story. , 2009, , 197-207.		0
66	BIOTIC AND ABIOTIC FACTORS IN SOIL-BORNE DISEASES IN STRAWBERRY NURSERIES. <i>Acta Horticulturae</i> , 2009, , 215-218.	0.2	0
67	2007 STRAWBERRY NURSERIES RESULTS ON METHYL BROMIDE ALTERNATIVES: WEED CONTROL AND PRODUCTION. <i>Acta Horticulturae</i> , 2009, , 683-686.	0.2	0
68	Relationship between the incidence of latent infections caused by <i>Monilinia</i> spp. and the incidence of brown rot of peach fruit: factors affecting latent infection. <i>European Journal of Plant Pathology</i> , 2008, 121, 487-498.	1.7	71
69	<i>Penicillium frequentans</i> population dynamics on peach fruits after its applications against brown rot in orchards. <i>Journal of Applied Microbiology</i> , 2008, 104, 659-671.	3.1	20
70	Influence of additives on adhesion of <i>Penicillium frequentans</i> conidia to peach fruit surfaces and relationship to the biocontrol of brown rot caused by <i>Monilinia laxa</i> . <i>International Journal of Food Microbiology</i> , 2008, 126, 24-29.	4.7	9
71	Biocontrol of powdery mildew by <i>Penicillium oxalicum</i> in open-field nurseries of strawberries. <i>Biological Control</i> , 2008, 47, 103-107.	3.0	48
72	Effects of different biological formulations of <i>Penicillium frequentans</i> on brown rot of peaches. <i>Biological Control</i> , 2007, 42, 86-96.	3.0	36

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73	Control of post-harvest brown rot on nectarine by <i>Epicoccum nigrum</i> and physico-chemical treatments. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1271-1277.	3.5	59
74	Effects of stabilizers on shelf-life of <i>Epicoccum nigrum</i> formulations and their relationship with biocontrol of postharvest brown rot by <i>Monilinia</i> of peaches. <i>Journal of Applied Microbiology</i> , 2007, 102, 570-82.	3.1	32
75	Effect of stabilizers on the shelf-life of <i>Penicillium frequentans</i> conidia and their efficacy as a biological agent against peach brown rot. <i>International Journal of Food Microbiology</i> , 2007, 113, 117-124.	4.7	50
76	Biocontrol of tomato wilt by <i>Penicillium oxalicum</i> formulations in different crop conditions. <i>Biological Control</i> , 2006, 37, 256-265.	3.0	42
77	Effect of drying on conidial viability of <i>Penicillium frequentans</i> , a biological control agent against peach brown rot disease caused by <i>Monilinia</i> spp. <i>Biocontrol Science and Technology</i> , 2006, 16, 257-269.	1.3	45
78	Dispersal Improvement of a Powder Formulation of <i>Penicillium oxalicum</i> , a Biocontrol Agent of Tomato Wilt. <i>Plant Disease</i> , 2005, 89, 1317-1323.	1.4	41
79	Biological control of postharvest brown rot ( <i>Monilinia</i> spp.) of peaches by field applications of <i>Epicoccum nigrum</i> . <i>Biological Control</i> , 2005, 32, 305-310.	3.0	174
80	Effect of chemical fumigation on soil fungal communities in Spanish strawberry nurseries. <i>Applied Soil Ecology</i> , 2005, 28, 47-56.	4.3	52
81	Solid substrate production of <i>Epicoccum nigrum</i> conidia for biological control of brown rot on stone fruits. <i>International Journal of Food Microbiology</i> , 2004, 94, 161-167.	4.7	40
82	Chemical Alternatives to Methyl Bromide in Spanish Strawberry Nurseries. <i>Plant Disease</i> , 2004, 88, 210-214.	1.4	73
83	Drying of Conidia of <i>Penicillium oxalicum</i> , a Biological Control Agent against <i>Fusarium</i> Wilt of Tomato. <i>Journal of Phytopathology</i> , 2003, 151, 600-606.	1.0	59
84	Biocontrol of <i>Fusarium</i> and <i>Verticillium</i> Wilt of Tomato by <i>Penicillium oxalicum</i> under Greenhouse and Field Conditions. <i>Journal of Phytopathology</i> , 2003, 151, 507-512.	1.0	82
85	Drying of <i>Epicoccum nigrum</i> conidia for obtaining a shelf-stable biological product against brown rot disease. <i>Journal of Applied Microbiology</i> , 2003, 94, 508-514.	3.1	44
86	Mass Production of Conidia of <i>Penicillium frequentans</i> , a Biocontrol Agent Against Brown Rot of Stone Fruits. <i>Biocontrol Science and Technology</i> , 2002, 12, 715-725.	1.3	27
87	Production, Survival, and Evaluation of Solid-Substrate Inocula of <i>Penicillium oxalicum</i> , a Biocontrol Agent Against <i>Fusarium</i> Wilt of Tomato. <i>Phytopathology</i> , 2002, 92, 863-869.	2.2	42
88	Repeated applications of <i>Penicillium oxalicum</i> prolongs biocontrol of <i>fusarium</i> wilt of tomato plants. <i>European Journal of Plant Pathology</i> , 2001, 107, 805-811.	1.7	13
89	Surface hydrophobicity, viability and efficacy in biological control of <i>Penicillium oxalicum</i> spores produced in aerial and submerged culture. <i>Journal of Applied Microbiology</i> , 2000, 89, 847-853.	3.1	45
90	Induced Resistance by <i>Penicillium oxalicum</i> Against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> : Histological Studies of Infected and Induced Tomato Stems. <i>Phytopathology</i> , 2000, 90, 260-268.	2.2	73

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91	Effects of timing and method of application of <i>Penicillium oxalicum</i> on efficacy and duration of control of <i>Fusarium</i> wilt of tomato. <i>Plant Pathology</i> , 1999, 48, 260-266.	2.4	37
92	Effects of Long-Wave UV Light on <i>Monilinia</i> Growth and Identification of Species. <i>Plant Disease</i> , 1999, 83, 62-65.	1.4	68
93	Infectivity of Chlamydospores vs Microconidia of <i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i> on Tomato. <i>Journal of Phytopathology</i> , 1997, 145, 231-233.	1.0	32
94	Ecophysiological factors affecting growth, sporulation and survival of the biocontrol agent <i>Penicillium oxalicum</i> . <i>Mycopathologia</i> , 1997, 139, 43-50.	3.1	25
95	Involvement of resistance induction by <i>Penicillium oxalicum</i> in the biocontrol of tomato wilt. <i>Plant Pathology</i> , 1997, 46, 72-79.	2.4	67
96	A rapid laboratory method for assessing the biological control potential of <i>Penicillium oxalicum</i> against <i>Fusarium</i> wilt of tomato. <i>Plant Pathology</i> , 1997, 46, 699-707.	2.4	27
97	In vitro studies on the effects of fungicides on beneficial fungi of peach twig mycoflora. <i>Mycopathologia</i> , 1994, 126, 15-20.	3.1	11
98	Effects of pyroquilon on the infection process of <i>Monilinia laxa</i> causing peach twig blight. <i>Pest Management Science</i> , 1993, 39, 267-269.	0.4	6
99	Nutritional requirements of antagonists to peach twig blight, <i>Monilinia laxa</i> , in relation to biocontrol. <i>Mycopathologia</i> , 1993, 121, 21-26.	3.1	8
100	Determination of Fungicide Residues in Peach Trees. <i>International Journal of Environmental Analytical Chemistry</i> , 1989, 37, 35-43.	3.3	9