Emilio Montesinos

List of Publications by Year
in descending order

124 papers	4,897 citations	100601 38 h-index	129628 63 g-index
127 all docs	127 docs citations	127 times ranked	4636 citing authors

#	Article	IF	Citations
1	Induction of Defense Responses and Protection of Almond Plants Against <i>Xylella fastidiosa</i> by Endotherapy with a Bifunctional Peptide. Phytopathology, 2022, 112, 1907-1916.	1.1	8
2	Aggressiveness of Spanish isolates of Xylella fastidiosa to almond plants of different cultivars under greenhouse conditions. Phytopathology, 2021, , PHYTO02210049R.	1.1	5
3	D-Amino Acid-Containing Lipopeptides Derived from the Lead Peptide BP100 with Activity against Plant Pathogens. International Journal of Molecular Sciences, 2021, 22, 6631.	1.8	10
4	A Bifunctional Peptide Conjugate That Controls Infections of Erwinia amylovora in Pear Plants. Molecules, 2021, 26, 3426.	1.7	9
5	Biological control of Fusarium wilt caused by Fusarium equiseti in Vicia faba with broad spectrum antifungal plant-associated Bacillus spp.. Biological Control, 2021, 160, 104671.	1.4	23
6	A Bifunctional Synthetic Peptide With Antimicrobial and Plant Elicitation Properties That Protect Tomato Plants From Bacterial and Fungal Infections. Frontiers in Plant Science, 2021, 12, 756357.	1.7	14
7	Antimicrobial Peptides With Antibiofilm Activity Against Xylella fastidiosa. Frontiers in Microbiology, 2021, 12, 753874.	1.5	10
8	Screening and identification of BP100 peptide conjugates active against Xylella fastidiosa using a viability-qPCR method. BMC Microbiology, 2020, 20, 229.	1.3	18
9	Differential Susceptibility of Xylella fastidiosa Strains to Synthetic Bactericidal Peptides. Phytopathology, 2020, 110, 1018-1026.	1.1	11
10	Antimicrobial peptide KSL-W and analogues: Promising agents to control plant diseases. Peptides, 2019, 112, 85-95.	1.2	17
11	Biological control of bacterial plant diseases with <i>Lactobacillus plantarum</i> strains selected for their broadâ€spectrum activity. Annals of Applied Biology, 2019, 174, 92-105.	1.3	92
12	Monitoring Viable Cells of the Biological Control Agent Lactobacillus plantarum PM411 in Aerial Plant Surfaces by Means of a Strain-Specific Viability Quantitative PCR Method. Applied and Environmental Microbiology, 2018, 84, .	1.4	30
13	Novel Rosaceae plant elicitor peptides as sustainable tools to control <i>Xanthomonas arboricola</i> pv. <i>pruni</i> in <i>Prunus</i> spp.. Molecular Plant Pathology, 2018, 19, 418-431.	2.0	25
14	Epidemiological Features and Trends of Brown Spot of Pear Disease Based on the Diversity of Pathogen Populations and Climate Change Effects. Phytopathology, 2018, 108, 223-233.	1.1	7
15	Environmental and inoculum effects on epidemiology of bacterial spot disease of stone fruits and development of a disease forecasting system. European Journal of Plant Pathology, 2018, 152, 635-651.	0.8	4
16	Antimicrobial activity of linear lipopeptides derived from BP100 towards plant pathogens. PLoS ONE, 2018, 13, e0201571.	1.1	23
17	Diversity of plant defense elicitor peptides within the Rosaceae. BMC Genetics, 2018, 19, 11.	2.7	13
18	Enhancing water stress tolerance improves fitness in biological control strains of Lactobacillus plantarum in plant environments. PLoS ONE, 2018, 13, e0190931.	1.1	39

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19	Effects of leaf wetness duration and temperature on infection of Prunus by Xanthomonas arboricola pv. pruni. PLoS ONE, 2018, 13, e0193813.	1.1	13
20	Lysozyme enhances the bactericidal effect of BP100 peptide against Erwinia amylovora, the causal agent of fire blight of rosaceous plants. BMC Microbiology, 2017, 17, 39.	1.3	20
21	Design, synthesis, and biological evaluation of cyclic peptidotriazoles derived from BPC194 as novel agents for plant protection. Biopolymers, 2017, 108, e23012.	1.2	8
22	Production of BP178, a derivative of the synthetic antibacterial peptide BP100, in the rice seed endosperm. BMC Plant Biology, 2017, 17, 63.	1.6	23
23	Control of rubus stunt and stolbur diseases in Madagascar periwinkle with mycorrhizae and a synthetic antibacterial peptide. Plant Pathology, 2017, 66, 551-558.	1.2	5
24	Rational Design of Cyclic Antimicrobial Peptides Based on BPC194 and BPC198. Molecules, 2017, 22, 1054.	1.7	16
25	Tryptophan-Containing Cyclic Decapeptides with Activity against Plant Pathogenic Bacteria. Molecules, 2017, 22, 1817.	1.7	7
26	A model for predicting Xanthomonas arboricola pv. pruni growth as a function of temperature. PLoS ONE, 2017, 12, e0177583.	1.1	14
27	Production of Biologically Active Cecropin A Peptide in Rice Seed Oil Bodies. PLoS ONE, 2016, 11, e0146919.	1.1	29
28	Synthetic Cyclolipopeptides Selective against Microbial, Plant and Animal Cell Targets by Incorporation of D-Amino Acids or Histidine. PLoS ONE, 2016, 11, e0151639.	1.1	15
29	Basis for a predictive model of Xanthomonas arboricola pv. pruni growth and infections in host plants. Acta Horticulturae, 2016, , 1-8.	0.1	5
30	Interaction of antifungal peptide BP15 with Stemphylium vesicarium , the causal agent of brown spot of pear. Fungal Biology, 2016, 120, 61-71.	1.1	29
31	Erwinia gerundensis sp. nov., a cosmopolitan epiphyte originally isolated from pome fruit trees. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1583-1592.	0.8	33
32	Controlling Brown Spot of Pear by a Synthetic Antimicrobial Peptide Under Field Conditions. Plant Disease, 2015, 99, 1816-1822.	0.7	12
33	Cyclic Lipopeptide Biosynthetic Genes and Products, and Inhibitory Activity of Plant-Associated Bacillus against Phytopathogenic Bacteria. PLoS ONE, 2015, 10, e0127738.	1.1	103
34	Post Harvest Control. , 2015, , 193-202.		3
35	Solidâ€Phase Synthesis of Peptide Conjugates Derived from the Antimicrobial Cyclic Decapeptide BPC194. European Journal of Organic Chemistry, 2015, 2015, 1117-1129.	1.2	6
36	Combined morphological and molecular approach for identification of Stemphylium vesicarium inoculum in pear orchards. Fungal Biology, 2015, 119, 136-144.	1.1	11

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37	The production of recombinant cationic Î±â€helical antimicrobial peptides in plant cells induces the formation of protein bodies derived from the endoplasmic reticulum. Plant Biotechnology Journal, 2014, 12, 81-92.	4.1	27
38	Postinfection Activity of Synthetic Antimicrobial Peptides Against Stemphylium vesicarium in Pear. Phytopathology, 2014, 104, 1192-1200.	1.1	12
39	Production of cecropin A antimicrobial peptide in rice seed endosperm. BMC Plant Biology, 2014, 14, 102.	1.6	63
40	Solidâ€Phase Synthesis of Cyclic Lipopeptidotriazoles. European Journal of Organic Chemistry, 2014, 2014, 4785-4794.	1.2	4
41	Improvement of a dry formulation of<i>Pseudomonas fluorescens</i>EPS62e for fire blight disease biocontrol by combination of culture osmoadaptation with a freeze-drying lyoprotectant. Journal of Applied Microbiology, 2014, 117, 1122-1131.	1.4	31
42	Antimicrobial Peptides Incorporating Non-Natural Amino Acids as Agents for Plant Protection. Protein and Peptide Letters, 2014, 21, 357-367.	0.4	20
43	Phenotypic comparison of clinical and plant-beneficial strains of Pantoea agglomerans. International Microbiology, 2014, 17, 81-90.	1.1	10
44	Biological control of fire blight of apple and pear with antagonistic Lactobacillus plantarum. European Journal of Plant Pathology, 2013, 137, 621-633.	0.8	54
45	A convenient solid-phase strategy for the synthesis of antimicrobial cyclic lipopeptides. Organic and Biomolecular Chemistry, 2013, 11, 3365.	1.5	10
46	Synthesis of Cyclic Peptidotriazoles with Activity Against Phytopathogenic Bacteria. European Journal of Organic Chemistry, 2013, 2013, 4933-4943.	1.2	13
47	Complete sequence of <i><scp>E</scp>rwinia piriflorinigrans</i> plasmids p<scp>EPIR</scp>37 and p<scp>EPIR</scp>5 and role of p<scp>EPIR</scp>37 in pathogen virulence. Plant Pathology, 2013, 62, 786-798.	1.2	7
48	Derivatives of the Antimicrobial Peptide BP100 for Expression in Plant Systems. PLoS ONE, 2013, 8, e85515.	1.1	48
49	Venturia inaequalis resistance in local Spanish cider apple germplasm under controlled and field conditions. Euphytica, 2012, 188, 273-283.	0.6	7
50	Peptidotriazoles with antimicrobial activity against bacterial and fungal plant pathogens. Peptides, 2012, 33, 9-17.	1.2	18
51	Constitutive expression of transgenes encoding derivatives of the synthetic antimicrobial peptide BP100: impact on rice host plant fitness. BMC Plant Biology, 2012, 12, 159.	1.6	43
52	Multivalent display of the antimicrobial peptides BP100 and BP143. Beilstein Journal of Organic Chemistry, 2012, 8, 2106-2117.	1.3	9
53	Solidâ€Phase Synthesis of 5â€Arylhistidineâ€Containing Peptides with Antimicrobial Activity Through a Microwaveâ€Assisted Suzukiâ€"Miyaura Crossâ€Coupling. European Journal of Organic Chemistry, 2012, 2012, 4321-4332.	1.2	18
54	Antimicrobial Peptides for Plant Disease Control. From Discovery to Application. ACS Symposium Series, 2012, , 235-261.	0.5	23

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55	An update on control of brown spot of pear. Trees - Structure and Function, 2012, 26, 239-245.	0.9	33
56	Prospects and limitations of microbial pesticides for control of bacterial and fungal pomefruit tree diseases. Trees - Structure and Function, 2012, 26, 215-226.	0.9	67
57	Erwinia amylovora Novel Plasmid pEI70: Complete Sequence, Biogeography, and Role in Aggressiveness in the Fire Blight Phytopathogen. PLoS ONE, 2011, 6, e28651.	1.1	46
58	Improvement of the Efficacy of Linear Undecapeptides against Plant-Pathogenic Bacteria by Incorporation of <scp>d</scp> -Amino Acids. Applied and Environmental Microbiology, 2011, 77, 2667-2675.	1.4	51
59	Improvement of Fitness and Efficacy of a Fire Blight Biocontrol Agent via Nutritional Enhancement Combined with Osmoadaptation. Applied and Environmental Microbiology, 2011, 77, 3174-3181.	1.4	37
60	Apical Necrosis and Premature Drop of Persian (English) Walnut Fruit Caused by <i>Xanthomonas arboricola</i> pv. <i>juglandis</i>. Plant Disease, 2011, 95, 1565-1570.	0.7	36
61	Antimicrobial peptide genes in Bacillus strains from plant environments. International Microbiology, 2011, 14, 213-23.	1.1	107
62	Control of brown spot of pear by reducing the overwintering inoculum through sanitation. European Journal of Plant Pathology, 2010, 128, 127-141.	0.8	23
63	Diversity of the bacterial community in the surface soil of a pear orchard based on 16S rRNA gene analysis. International Microbiology, 2010, 13, 123-34.	1.1	24
64	Sporicidal Activity of Synthetic Antifungal Undecapeptides and Control of <i>Penicillium</i> Rot of Apples. Applied and Environmental Microbiology, 2009, 75, 5563-5569.	1.4	55
65	Genotypic comparison of Pantoea agglomeransplant and clinical strains. BMC Microbiology, 2009, 9, 204.	1.3	133
66	Evaluation of ISO enrichment real-time PCR methods with internal amplification control for detection ofListeria monocytogenesandSalmonella entericain fresh fruit and vegetables. Letters in Applied Microbiology, 2009, 49, 105-111.	1.0	26
67	Evaluation of a Cider Apple Germplasm Collection of Local Cultivars from Spain for Resistance to Fire Blight (Erwinia amylovora) Using a Combination of Inoculation Assays on Leaves and Shoots. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1223-1227.	0.5	8
68	Microbiological quality of fresh fruit and vegetable products in Catalonia (Spain) using normalised plateâ€counting methods and real time polymerase chain reaction (QPCR). Journal of the Science of Food and Agriculture, 2008, 88, 605-611.	1.7	60
69	Synthetic Antimicrobial Peptides as Agricultural Pesticides for Plantâ€Disease Control. Chemistry and Biodiversity, 2008, 5, 1225-1237.	1.0	87
70	Growth promotion and biological control of root-knot nematodes in micropropagated banana during the nursery stage by treatment with specific bacterial strains. Annals of Applied Biology, 2008, 152, 41-48.	1.3	14
71	Bioprotection of Golden Delicious apples and Iceberg lettuce against foodborne bacterial pathogens by lactic acid bacteria. International Journal of Food Microbiology, 2008, 123, 50-60.	2.1	148
72	Bioprotective Leuconostoc strains against Listeria monocytogenes in fresh fruits and vegetables. International Journal of Food Microbiology, 2008, 127, 91-98.	2.1	71

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73	STUDY OF THE VIRULENCE IN WILD-TYPE STRAINS OF ERWINIA AMYLOVORA DEVOID OF THE PLASMID pEA29. Acta Horticulturae, 2008, , 145-148.	0.1	9
74	EVALUATION OF FIRE BLIGHT CONTROL METHODS BASED ON PLANT DEFENCE INDUCERS AND BIOLOGICAL CONTROL AGENTS. Acta Horticulturae, 2008, , 891-898.	0.1	1
75	Lactic acid bacteria from fresh fruit and vegetables as biocontrol agents of phytopathogenic bacteria and fungi. International Microbiology, 2008, 11, 231-6.	1.1	143
76	Evaluation of four whole-plant inoculation methods to analyze the pathogenicity of Erwinia amylovora under quarantine conditions. International Microbiology, 2008, 11, 111-9.	1.1	12
77	A library of linear undecapeptides with bactericidal activity against phytopathogenic bacteria. Peptides, 2007, 28, 2276-2285.	1.2	145
78	Epiphytic fitness of a biological control agent of fire blight in apple and pear orchards under Mediterranean weather conditions. FEMS Microbiology Ecology, 2007, 59, 186-193.	1.3	21
79	Increasing survival and efficacy of a bacterial biocontrol agent of fire blight of rosaceous plants by means of osmoadaptation. FEMS Microbiology Ecology, 2007, 61, 185-195.	1.3	49
80	Antimicrobial peptides and plant disease control. FEMS Microbiology Letters, 2007, 270, 1-11.	0.7	307
81	Mechanisms of antagonism of Pseudomonas fluorescens EPS62e against Erwinia amylovora, the causal agent of fire blight. International Microbiology, 2007, 10, 123-32.	1.1	35
82	De novo designed cyclic cationic peptides as inhibitors of plant pathogenic bacteria. Peptides, 2006, 27, 2567-2574.	1.2	57
83	Improvement of cyclic decapeptides against plant pathogenic bacteria using a combinatorial chemistry approach. Peptides, 2006, 27, 2575-2584.	1.2	55
84	Brown Spot of Pear: An Emerging Disease of Economic Importance in Europe. Plant Disease, 2006, 90, 1368-1375.	0.7	37
85	Infection Potential of Pleospora allii and Evaluation of Methods for Reduction of the Overwintering Inoculum of Brown Spot of Pear. Plant Disease, 2006, 90, 1511-1516.	0.7	21
86	An Indigenous Virulent Strain of Erwinia amylovora Lacking the Ubiquitous Plasmid pEA29. Phytopathology, 2006, 96, 900-907.	1.1	55
87	Pathogen aggressiveness and postharvest biocontrol efficiency in Pantoea agglomerans. Postharvest Biology and Technology, 2006, 39, 299-307.	2.9	56
88	Inhibition of Plant-Pathogenic Bacteria by Short Synthetic Cecropin A-Melittin Hybrid Peptides. Applied and Environmental Microbiology, 2006, 72, 3302-3308.	1.4	106
89	Assessment of the Environmental Fate of the Biological Control Agent of Fire Blight, Pseudomonas fluorescens EPS62e, on Apple by Culture and Real-Time PCR Methods. Applied and Environmental Microbiology, 2006, 72, 2421-2427.	1.4	58
90	Analysis of Aggressiveness of Erwinia amylovora Using Disease-Dose and Time Relationships. Phytopathology, 2005, 95, 1430-1437.	1.1	63

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91	Osmotically induced trehalose and glycine betaine accumulation improves tolerance to desiccation, survival and efficacy of the postharvest biocontrol agentPantoea agglomeransEPS125. FEMS Microbiology Letters, 2005, 250, 1-8.	0.7	56
92	Development of a strain-specific quantitative method for monitoringPseudomonas fluorescensEPS62e, a novel biocontrol agent of fire blight. FEMS Microbiology Letters, 2005, 249, 343-352.	0.7	51
93	Lack of detection of ampicillin resistance gene transfer from Bt176 transgenic corn to culturable bacteria under field conditions. FEMS Microbiology Ecology, 2004, 48, 169-178.	1.3	39
94	Development and Field Evaluation of a Model to Estimate the Maturity of Pseudothecia of Pleospora allii on Pear. Plant Disease, 2004, 88, 215-219.	0.7	23
95	Title is missing!. European Journal of Plant Pathology, 2003, 109, 319-326.	0.8	30
96	Growth promotion of Prunus rootstocks by root treatment with specific bacterial strains. Plant and Soil, 2003, 255, 555-569.	1.8	21
97	Plant-associated microorganisms: a view from the scope of microbiology. International Microbiology, 2003, 6, 221-223.	1.1	45
98	Development, registration and commercialization of microbial pesticides for plant protection. International Microbiology, 2003, 6, 245-252.	1.1	248
99	Biological control of Monilinia laxa and Rhizopus stolonifer in postharvest of stone fruit by Pantoea agglomerans EPS125 and putative mechanisms of antagonism. International Journal of Food Microbiology, 2003, 84, 93-104.	2.1	104
100	Evaluation of a Reduced Copper Spraying Program to Control Bacterial Blight of Walnut. Plant Disease, 2002, 86, 583-587.	0.7	36
101	Effect of Relative Humidity and Interrupted Wetness Periods on Brown Spot Severity of Pear Caused by Stemphylium vesicarium. Phytopathology, 2002, 92, 99-104.	1.1	28
102	Plant-microbe interactions and the new biotechnological methods of plant disease control. International Microbiology, 2002, 5, 169-175.	1.1	35
103	Title is missing!. European Journal of Plant Pathology, 2001, 107, 787-794.	0.8	17
104	Evaluation of BSPcast Disease Warning System in Reduced Fungicide Use Programs for Management of Brown Spot of Pear. Plant Disease, 2000, 84, 631-637.	0.7	42
105	Title is missing!. European Journal of Plant Pathology, 1998, 104, 171-180.	0.8	11
106	Dose-Response Models in Biological Control of Plant Pathogens: An Empirical Verification. Phytopathology, 1996, 86, 464.	1.1	58
107	Antagonism of Selected Bacterial Strains toStemphylium vesicariumand Biological Control of Brown Spot of Pear Under Controlled Environment Conditions. Phytopathology, 1996, 86, 856.	1.1	24
108	Susceptibility of Selected European Pear Cultivars to Infection by<i>Stemphylium vesicarium</i>and Influence of Leaf and Fruit Age. Plant Disease, 1995, 79, 471.	0.7	32

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109	Development and Evaluation of an Infection Model forStemphylium vesicariumon Pear Based on Temperature and Wetness Duration. Phytopathology, 1995, 85, 586.	1.1	47
110	Yield and quality of spring triticale used for forage and grain as influenced by sowing date and cutting stage. Field Crops Research, 1994, 37, 161-168.	2.3	26
111	Triticale and other small grain cereals for forage and grain in Mediterranean conditions. Grass and Forage Science, 1993, 48, 11-17.	1.2	20
112	Relationships Among Population Levels of<i>Pseudomonas syringae,</i>Amount of Ice Nuclei, and Incidence of Blast of Dormant Flower Buds in Commercial Pear Orchards in Catalunya, Spain. Phytopathology, 1991, 81, 113.	1.1	30
113	A quantitative ultrastructural study of Chromatium minus in the bacterial layer of Lake Cisï¿½ (Spain). Archives of Microbiology, 1990, 153, 316-323.	1.0	14
114	Change in Size of <i>Chromatium minus</i> Cells in Relation to Growth Rate, Sulfur Content, and Photosynthetic Activity: A Comparison of Pure Cultures and Field Populations. Applied and Environmental Microbiology, 1987, 53, 864-871.	1.4	17
115	Diel cycle of metabolism of phototrophic purple sulfur bacteria in Lake CisÃ³ (Spain)1. Limnology and Oceanography, 1985, 30, 932-943.	1.6	50
116	Phototrophic sulfur bacteria in two Spanish lakes: Vertical distribution and limiting factors1. Limnology and Oceanography, 1985, 30, 919-931.	1.6	169
117	Effect of algal shading on the net growth and production of phototrophic sulfur bacteria in lakes of the Banyoles karstic area. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1984, 22, 1102-1105.	0.1	5
118	Electron microscope study of the interaction of epibiontic bacteria withChromatium minus in natural habitats. Microbial Ecology, 1983, 9, 57-64.	1.4	21
119	Effect of exogenous nucleotides on growth and photopigment synthesis inRhodopseudomonas capsulata. FEBS Letters, 1983, 154, 196-200.	1.3	0
120	Comparison between direct methods for determination of microbial cell volume: electron microscopy and electronic particle sizing. Applied and Environmental Microbiology, 1983, 45, 1651-1658.	1.4	54
121	Ecology and Physiology of the Competition for Light Between <i>Chlorobium limicola</i> and <i>Chlorobium phaeobacteroides</i> in Natural Habitats. Applied and Environmental Microbiology, 1983, 46, 1007-1016.	1.4	124
122	Factors Determining Annual Changes in Bacterial Photosynthetic Pigments in Holomictic Lake CisÃ³, Spain. Applied and Environmental Microbiology, 1983, 46, 999-1006.	1.4	22
123	Lipopeptides derived from BP100 containing a D-amino acid or a His residue. , 0, , .		0
124	Peptide Conjugates Derived from flg15, Pep13, and PIP1 That Are Active against Plant-Pathogenic Bacteria and Trigger Plant Defense Responses. Applied and Environmental Microbiology, 0, , .	1.4	1