Pablo Rodriguez-Palenzuela

List of Publications by Year
in descending order

57 papers	3,222 citations	159358 30 h-index	182168 51 g-index
57 all docs	57 docs citations	57 times ranked	3293 citing authors

#	Article	IF	Citations
1	Plant defense peptides. , 1998, 47, 479-491.		448
2	The Role of Secretion Systems and Small Molecules in Soft-Rot <i>Enterobacteriaceae</i> Pathogenicity. Annual Review of Phytopathology, 2012, 50, 425-449.	3.5	217
3	Proposal to reclassify Brenneria quercina (Hildebrand and Schroth 1967) Hauben et al. 1999 into a new genus, Lonsdalea gen. nov., as Lonsdalea quercina comb. nov., descriptions of Lonsdalea quercina subsp. quercina comb. nov., Lonsdalea quercina subsp. iberica subsp. nov. and Lonsdalea quercina subsp. britannica subsp. nov., emendation of the description of the genus Brenneria , rec. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1592-1602.	0.8	194
4	A bacterial cysteine protease effector protein interferes with photosynthesis to suppress plant innate immune responses. Cellular Microbiology, 2012, 14, 669-681.	1.1	169
5	Inactivation of the sapA to sapF Locus of Erwinia chrysanthemi Reveals Common Features in Plant and Animal Bacterial Pathogenesis. Plant Cell, 1998, 10, 917-924.	3.1	115
6	Genome Sequence of the Plant-Pathogenic Bacterium Dickeya dadantii 3937. Journal of Bacteriology, 2011, 193, 2076-2077.	1.0	113
7	Role of motility and chemotaxis in the pathogenesis of Dickeya dadantii 3937 (ex Erwinia chrysanthemi) Tj ETQq1 1 0.784314 rgBT /Ove	0.7	101
8	T346Hunter: A Novel Web-Based Tool for the Prediction of Type III, Type IV and Type VI Secretion Systems in Bacterial Genomes. PLoS ONE, 2015, 10, e0119317.	1.1	93
9	Antibiotic activities of peptides, hydrogen peroxide and peroxynitrite in plant defence. FEBS Letters, 2001, 498, 219-222.	1.3	90
10	Antifungal Activity of a Plant Cystatin. Molecular Plant-Microbe Interactions, 1999, 12, 624-627.	1.4	80
11	Annotation and overview of the <i>Pseudomonas savastanoi</i> pv. savastanoi NCPPB 3335 draft genome reveals the virulence gene complement of a tumourâ€inducing pathogen of woody hosts. Environmental Microbiology, 2010, 12, 1604-1620.	1.8	80
12	Mutants of Ralstonia (Pseudomonas) solanacearum sensitive to antimicrobial peptides are altered in their lipopolysaccharide structure and are avirulent in tobacco. Journal of Bacteriology, 1997, 179, 6699-6704.	1.0	79
13	Differential effects of five types of antipathogenic plant peptides on model membranes. FEBS Letters, 1997, 410, 338-342.	1.3	74
14	Inhibition of Plant-Pathogenic Fungi by the Barley Cystatin Hv-CPI (Gene Icy) Is Not Associated with Its Cysteine-Proteinase Inhibitory Properties. Molecular Plant-Microbe Interactions, 2003, 16, 876-883.	1.4	68
15	Description of Gibbsiella quercinecans gen. nov., sp. nov., associated with Acute Oak Decline. Systematic and Applied Microbiology, 2010, 33, 444-450.	1.2	66
16	Translocation and Functional Analysis of <i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i> NCPPB 3335 Type III Secretion System Effectors Reveals Two Novel Effector Families of the <i>Pseudomonas syringae</i> Complex. Molecular Plant-Microbe Interactions, 2014, 27, 424-436.	1.4	63
17	Complete genome sequence of Pseudomonas fluorescens strain PICF7, an indigenous root endophyte from olive (Olea europaea L.) and effective biocontrol agent against Verticillium dahliae. Standards in Genomic Sciences, 2015, 10, 10.	1.5	60
18	Characterization of Pectobacterium species from Iran using biochemical and molecular methods. European Journal of Plant Pathology, 2011, 129, 413-425.	0.8	54

#	Article	IF	Citations
19	The Erwinia chrysanthemi phoP-phoQ operon plays an important role in growth at low pH, virulence and bacterial survival in plant tissue. Molecular Microbiology, 2003, 49, 347-357.	1.2	52
20	Bacterial chemoattraction towards jasmonate plays a role in the entry of <i>Dickeya dadantii</i> through wounded tissues. Molecular Microbiology, 2009, 74, 662-671.	1.2	50
21	Evidence Against a Direct Antimicrobial Role of H2O2 in the Infection of Plants by Erwinia chrysanthemi. Molecular Plant-Microbe Interactions, 2000, 13, 421-429.	1.4	49
22	Relative Effects on Virulence of Mutations in the sap, pel, and hrp Loci of Erwinia chrysanthemi. Molecular Plant-Microbe Interactions, 2001, 14, 386-393.	1.4	49
23	Prediction of bacterial associations with plants using a supervised machineâ€learning approach. Environmental Microbiology, 2016, 18, 4847-4861.	1.8	46
24	Light regulates motility, attachment and virulence in the plant pathogen <i><scp>P</scp>seudomonas syringae</i> pv tomato <scp>DC</scp>3000. Environmental Microbiology, 2014, 16, 2072-2085.	1.8	45
25	Leishmania donovani: Thionins, plant antimicrobial peptides with leishmanicidal activity. Experimental Parasitology, 2009, 122, 247-249.	0.5	44
26	Nucleotide sequence and endosperm-specific expression of the structural gene for the toxin Î±-hordothionin in barley (Hordeum vulgare L.). Gene, 1988, 70, 271-281.	1.0	43
27	Sequence and Role in Virulence of the Three Plasmid Complement of the Model Tumor-Inducing Bacterium Pseudomonas savastanoi pv. savastanoi NCPPB 3335. PLoS ONE, 2011, 6, e25705.	1.1	43
28	Susceptibility ofListeria monocytogenesto antimicrobial peptides. FEMS Microbiology Letters, 2003, 226, 101-105.	0.7	41
29	Role of the PhoP-PhoQ System in the Virulence of Erwinia chrysanthemi Strain 3937: Involvement in Sensitivity to Plant Antimicrobial Peptides, Survival at Acid pH, and Regulation of Pectolytic Enzymes. Journal of Bacteriology, 2005, 187, 2157-2162.	1.0	38
30	The ybiT Gene of Erwinia chrysanthemi Codes for a Putative ABC Transporter and Is Involved in Competitiveness against Endophytic Bacteria during Infection. Applied and Environmental Microbiology, 2002, 68, 1624-1630.	1.4	37
31	Analysis of Erwinia chrysanthemi EC16 pelEâˆ·uidA, pelLâˆ·uidA, and hrpNâˆ·uidA Mutants Reveals Strain-Specific Atypical Regulation of the Hrp Type III Secretion System. Molecular Plant-Microbe Interactions, 2004, 17, 184-194.	1.4	33
32	Chemoperception of Specific Amino Acids Controls Phytopathogenicity in Pseudomonas syringae pv. tomato. MBio, 2019, 10, .	1.8	31
33	The gene for trypsin inhibitor CMe is regulated in trans by the lys 3a locus in the endosperm of barley (Hordeum vulgare L.). Molecular Genetics and Genomics, 1989, 219, 474-479.	2.4	30
34	Polygalacturonase Production by <i>Agrobacterium tumefaciens</i> Biovar 3. Applied and Environmental Microbiology, 1991, 57, 660-664.	1.4	29
35	<i>Brenneria quercina</i> and <i>Serratia </i>spp. isolated from Spanish oak trees: molecular characterization and development of PCR primers. Plant Pathology, 2008, 57, 308-319.	1.2	28
36	Cellulose production in<i>Pseudomonas syringae</i>pv.<i>syringae</i>: a compromise between epiphytic and pathogenic lifestyles. FEMS Microbiology Ecology, 2015, 91, fiv071.	1.3	25

#	Article	IF	Citations
37	Bioinformatics Analysis of the Complete Genome Sequence of the Mango Tree Pathogen Pseudomonas syringae pv. syringae UMAF0158 Reveals Traits Relevant to Virulence and Epiphytic Lifestyle. PLoS ONE, 2015, 10, e0136101.	1.1	25
38	Role of <i><scp>D</scp>ickeya dadantii</i> 3937 chemoreceptors in the entry to Arabidopsis leaves through wounds. Molecular Plant Pathology, 2015, 16, 685-698.	2.0	24
39	Temporal and Spatial Resolution of Activated Plant Defense Responses in Leaves of Nicotiana benthamiana Infected with Dickeya dadantii. Frontiers in Plant Science, 2016, 6, 1209.	1.7	24
40	Host Range Determinants of Pseudomonas savastanoi Pathovars of Woody Hosts Revealed by Comparative Genomics and Cross-Pathogenicity Tests. Frontiers in Plant Science, 2020, 11, 973.	1.7	24
41	Interaction of wheat Î±â€thionin with large unilamellar vesicles. Protein Science, 1998, 7, 2567-2577.	3.1	23
42	Pseudomonas syringaepv. tomato exploits light signals to optimize virulence and colonization of leaves. Environmental Microbiology, 2018, 20, 4261-4280.	1.8	23
43	Signal peptide homology between the sweet protein thaumatin II and unrelated cereal Î±-amylase/trypsin inhibitors. FEBS Letters, 1988, 239, 147-150.	1.3	22
44	Selective disulphide linkage of plant thionins with other proteins. FEBS Letters, 1995, 369, 239-242.	1.3	22
45	Exploring new roles for the<i>rpoS</i>gene in the survival and virulence of the fire blight pathogen<i>Erwinia amylovora</i>. FEMS Microbiology Ecology, 2014, 90, 895-907.	1.3	20
46	Prevalence and Specificity of Chemoreceptor Profiles in Plant-Associated Bacteria. MSystems, 2021, 6, e0095121.	1.7	20
47	Attachment, Chemotaxis, and Multiplication of <i>Agrobacterium tumefaciens</i> Biovar 1 and Biovar 3 on Grapevine and Pea. Applied and Environmental Microbiology, 1991, 57, 3178-3182.	1.4	20
48	Genome-Wide Analysis of the Response of <i>Dickeya dadantii</i> 3937 to Plant Antimicrobial Peptides. Molecular Plant-Microbe Interactions, 2012, 25, 523-533.	1.4	18
49	The Pseudomonas syringae pv. tomato DC3000 PSPTO_0820 multidrug transporter is involved in resistance to plant antimicrobials and bacterial survival during tomato plant infection. PLoS ONE, 2019, 14, e0218815.	1.1	16
50	Phenotypic diversity, host range and molecular phylogeny of Dickeya isolates from Spain. European Journal of Plant Pathology, 2010, 127, 311-324.	0.8	14
51	Four genes essential for recombination define GInts, a new type of mobile genomic island widespread in bacteria. Scientific Reports, 2017, 7, 46254.	1.6	14
52	Blueâ€light perception by epiphytic <i>Pseudomonas syringae</i> drives chemoreceptor expression, enabling efficient plant infection. Molecular Plant Pathology, 2020, 21, 1606-1619.	2.0	11
53	Natural variability in the Arabidopsis response to infection with Erwinia carotovora subsp. carotovora. Planta, 2002, 215, 205-209.	1.6	10
54	The Tat pathway of plant pathogen Dickeya dadantii 3937 contributes to virulence and fitness. FEMS Microbiology Letters, 2010, 302, 151-158.	0.7	8

#	Article	IF	Citations
55	Erwinia chrysanthemi genes specifically induced during infection in chicory leaves. Molecular Plant Pathology, 2002, 3, 271-275.	2.0	4
56	Inactivation of the sapA to sapF Locus of Erwinia chrysanthemi Reveals Common Features in Plant and Animal Bacterial Pathogenesis. Plant Cell, 1998, 10, 917.	3.1	2
57	Bacterial chemoattraction towards jasmonate plays a role in the entry of <i>Dickeya dadantii</i> through wounded tissues. Molecular Microbiology, 2009, 74, 1543-1543.	1.2	1