Daniel Lopez

List of Publications by Year
in descending order

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41 papers	4,381 citations	236925 25 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	5311 citing authors

#	Article	IF	Citations
1	Biofilms. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000398-a000398.	5.5	672
2	Antibiotics as Signal Molecules. Chemical Reviews, 2011, 111, 5492-5505.	47.7	348
3	Structurally diverse natural products that cause potassium leakage trigger multicellularity in Bacillus subtilis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 280-285.	7.1	336
4	Generation of multiple cell types inBacillus subtilis. FEMS Microbiology Reviews, 2009, 33, 152-163.	8.6	327
5	Functional microdomains in bacterial membranes. Genes and Development, 2010, 24, 1893-1902.	5.9	293
6	Extracellular signals that define distinct and coexisting cell fates inBacillus subtilis. FEMS Microbiology Reviews, 2010, 34, 134-149.	8.6	239
7	Paracrine signaling in a bacterium. Genes and Development, 2009, 23, 1631-1638.	5.9	193
8	Membrane Microdomain Disassembly Inhibits MRSA Antibiotic Resistance. Cell, 2017, 171, 1354-1367.e20.	28.9	182
9	Cannibalism enhances biofilm development in Bacillus subtilis. Molecular Microbiology, 2009, 74, 609-618.	2.5	179
10	Evolution of Resistance to a Last-Resort Antibiotic in Staphylococcus aureus via Bacterial Competition. Cell, 2014, 158, 1060-1071.	28.9	178
11	Exploring the Existence of Lipid Rafts in Bacteria. Microbiology and Molecular Biology Reviews, 2015, 79, 81-100.	6.6	173
12	Molecular mechanisms involved in <scp>B</scp>acillus subtilis biofilm formation. Environmental Microbiology, 2015, 17, 555-565.	3.8	169
13	Structural changes of TasA in biofilm formation of Bacillus subtilis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3237-3242.	7.1	97
14	Dimethoxyphenol oxidase activity of different microbial blue multicopper proteins. FEMS Microbiology Letters, 2001, 204, 175-181.	1.8	95
15	Exploring functional membrane microdomains in bacteria: an overview. Current Opinion in Microbiology, 2017, 36, 76-84.	5.1	92
16	The biofilm formation defect of a <scp>B</scp>acillus subtilis flotillinâ€defective mutant involves the protease <scp><scp>FtsH</scp></scp>. Molecular Microbiology, 2012, 86, 457-471.	2.5	71
17	Cell differentiation defines acute and chronic infection cell types in Staphylococcus aureus. ELife, 2017, 6, .	6.0	59
18	Individual Constituents from Essential Oils Inhibit Biofilm Mass Production by Multi-Drug Resistant Staphylococcus aureus. Molecules, 2015, 20, 11357-11372.	3.8	55

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19	Identification of an operon involved in tyrosinase activity and melanin synthesis in Marinomonas mediterranea. Gene, 2004, 342, 179-187.	2.2	46
20	Cloning and Molecular Characterization of a SDSâ€Activated Tyrosinase from Marinomonas mediterranea. Pigment Cell & Melanoma Research, 2002, 15, 104-111.	3.6	45
21	Structural and Functional Analysis of Bacillus subtilis YisP Reveals a Role of Its Product in Biofilm Production. Chemistry and Biology, 2014, 21, 1557-1563.	6.0	44
22	Overproduction of Flotillin Influences Cell Differentiation and Shape in Bacillus subtilis. MBio, 2013, 4, e00719-13.	4.1	43
23	Spatio-temporal Remodeling of Functional Membrane Microdomains Organizes the Signaling Networks of a Bacterium. PLoS Genetics, 2015, 11, e1005140.	3.5	39
24	Involvement of a novel copper chaperone in tyrosinase activity and melanin synthesis in Marinomonas mediterranea. Microbiology (United Kingdom), 2007, 153, 2241-2249.	1.8	35
25	Molecular composition of functional microdomains in bacterial membranes. Chemistry and Physics of Lipids, 2015, 192, 3-11.	3.2	34
26	Flotillin scaffold activity contributes to type VII secretion system assembly in Staphylococcus aureus. PLoS Pathogens, 2017, 13, e1006728.	4.7	34
27	Attenuating Staphylococcus aureus Virulence by Targeting Flotillin Protein Scaffold Activity. Cell Chemical Biology, 2017, 24, 845-857.e6.	5.2	31
28	Streptomycin-Induced Expression in Bacillus subtilis of YtnP, a Lactonase-Homologous Protein That Inhibits Development and Streptomycin Production in Streptomyces griseus. Applied and Environmental Microbiology, 2012, 78, 599-603.	3.1	29
29	Structural basis of denuded glycan recognition by SPOR domains in bacterial cell division. Nature Communications, 2019, 10, 5567.	12.8	29
30	In vivo characterization of the scaffold activity of flotillin on the membrane kinase KinC of Bacillus subtilis. Microbiology (United Kingdom), 2015, 161, 1871-1887.	1.8	28
31	Single-cell Analysis of Bacillus subtilis Biofilms Using Fluorescence Microscopy and Flow Cytometry. Journal of Visualized Experiments, 2012, , .	0.3	26
32	Potassium Sensing Histidine Kinase in Bacillus subtilis. Methods in Enzymology, 2010, 471, 229-251.	1.0	22
33	Marinomonas mediterranea is a lysogenic bacterium that synthesizes R-bodies. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	20
34	The induction of natural competence adapts staphylococcal metabolism to infection. Nature Communications, 2022, 13, 1525.	12.8	18
35	Identification of Staphylococcus aureus genes involved in the formation of structured macrocolonies. Microbiology (United Kingdom), 2018, 164, 801-815.	1.8	17
36	A semi-quantitative model of Quorum-Sensing in Staphylococcus aureus, approved by microarray meta-analyses and tested by mutation studies. Molecular BioSystems, 2013, 9, 2665.	2.9	16

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37	Functional Membrane Microdomains Organize Signaling Networks in Bacteria. Journal of Membrane Biology, 2017, 250, 367-378.	2.1	16
38	Reconstruction of mreB Expression in Staphylococcus aureus via a Collection of New Integrative Plasmids. Applied and Environmental Microbiology, 2014, 80, 3868-3878.	3.1	15
39	Substrate Interaction with the EssC Coupling Protein of the Type VIIb Secretion System. Journal of Bacteriology, 2020, 202, .	2.2	14
40	Cell Heterogeneity in Staphylococcal Communities. Journal of Molecular Biology, 2019, 431, 4699-4711.	4.2	8
41	Connection of KinC to flotillins and potassium leakage in Bacillus subtilis. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.8	3