Carlos Molina-Santiago

List of Publications by Year
in descending order

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38

papers

1,258

citations

430874

18

h-index

377865

34

g-index

44

all docs

44

docs citations

44

times ranked

2000

citing authors

#	Article	IF	Citations
1	Mechanisms of solvent resistance mediated by interplay of cellular factors in<i>Pseudomonas putida</i>. FEMS Microbiology Reviews, 2015, 39, 555-566.	8.6	143
2	The extracellular matrix protects Bacillus subtilis colonies from Pseudomonas invasion and modulates plant co-colonization. Nature Communications, 2019, 10, 1919.	12.8	102
3	Mechanisms of Resistance to Chloramphenicol in Pseudomonas putida KT2440. Antimicrobial Agents and Chemotherapy, 2012, 56, 1001-1009.	3.2	89
4	Antibiotic Resistance Determinants in a Pseudomonas putida Strain Isolated from a Hospital. PLoS ONE, 2014, 9, e81604.	2.5	86
5	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	8.0	81
6	Interspecies signalling: <i><scp>P</scp>seudomonas putida</i> efflux pump <scp>TtgGHI</scp> is activated by indole to increase antibiotic resistance. Environmental Microbiology, 2014, 16, 1267-1281.	3.8	77
7	Antibiotic adjuvants: identification and clinical use. Microbial Biotechnology, 2013, 6, 445-449.	4.2	76
8	Dual functionality of the amyloid protein TasA in Bacillus physiology and fitness on the phylloplane. Nature Communications, 2020, 11, 1859.	12.8	59
9	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. Food Chemistry, 2020, 302, 125290.	8.2	52
10	GtrS and GltR form a two-component system: the central role of 2-ketogluconate in the expression of exotoxin A and glucose catabolic enzymes in<i>Pseudomonas aeruginosa</i>. Nucleic Acids Research, 2014, 42, 7654-7665.	14.5	41
11	Pseudomonas putida as a platform for the synthesis of aromatic compounds. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	41
12	Understanding butanol tolerance and assimilation in <scp><i>P</i></scp><i>seudomonas putida</i>â€…<scp>BIRD</scp>â€•1: an integrated omics approach. Microbial Biotechnology, 2016, 9, 100-115.	4.2	38
13	Global transcriptional response of solventâ€•sensitive and solventâ€•tolerant <i>Pseudomonas putida</i> strains exposed to toluene. Environmental Microbiology, 2017, 19, 645-658.	3.8	36
14	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. Nature Methods, 2022, 19, 134-136.	19.0	35
15	More than words: the chemistry behind the interactions in the plant holobiont. Environmental Microbiology, 2020, 22, 4532-4544.	3.8	33
16	Differential transcriptional response to antibiotics by <scp><i>P</i></scp><i>seudomonas putida</i>â€…<scp>DOT</scp>â€•<scp>T1E</scp>. Environmental Microbiology, 2015, 17, 3251-3262.	3.8	32
17	Chemical interplay and complementary adaptative strategies toggle bacterial antagonism and co-existence. Cell Reports, 2021, 36, 109449.	6.4	28
18	Diversity of small <scp>RNAs</scp> expressed in <scp><i>P</i></scp><i>seudomonas</i> species. Environmental Microbiology Reports, 2015, 7, 227-236.	2.4	27

#	ARTICLE	IF	CITATIONS
19	Fructooligosacharides Reduce Pseudomonas aeruginosa PAO1 Pathogenicity through Distinct Mechanisms. PLoS ONE, 2014, 9, e85772.	2.5	25
20	Chemical Proportionality within Molecular Networks. Analytical Chemistry, 2021, 93, 12833-12839.	6.5	22
21	A<i>Pseudomonas putida</i>double mutant deficient in butanol assimilation: a promising step for engineering a biological biofuel production platform. FEMS Microbiology Letters, 2016, 363, fnw018.	1.8	16
22	Ruminal metagenomic libraries as a source of relevant hemicellulolytic enzymes for biofuel production. Microbial Biotechnology, 2018, 11, 781-787.	4.2	16
23	Draft wholeâ€genome sequence of the antibioticâ€producing soil isolate <scp><i>P</i></scp><i>seudomonas</i> sp. strain 250<scp>J</scp>. Environmental Microbiology Reports, 2015, 7, 288-292.	2.4	15
24	Full Transcriptomic Response of Pseudomonas aeruginosa to an Inulin-Derived Fructooligosaccharide. Frontiers in Microbiology, 2020, 11, 202.	3.5	14
25	Chemical fertilization: a shortâ€term solution for plant productivity?. Microbial Biotechnology, 2020, 13, 1311-1313.	4.2	11
26	Bacterial extracellular matrix as a natural source of biotechnologically multivalent materials. Computational and Structural Biotechnology Journal, 2021, 19, 2796-2805.	4.1	10
27	Efflux pumpâ€deficient mutants as a platform to search for microbes that produce antibiotics. Microbial Biotechnology, 2015, 8, 716-725.	4.2	9
28	Interspecies crossâ€talk between coâ€cultured <i>Pseudomonas putida</i> and <i>Escherichia coli</i>. Environmental Microbiology Reports, 2017, 9, 441-448.	2.4	8
29	Identification of New Residues Involved in Intramolecular Signal Transmission in a Prokaryotic Transcriptional Repressor. Journal of Bacteriology, 2014, 196, 588-594.	2.2	6
30	Bactericidal and bacteriostatic antibiotics and the <scp>F</scp>enton reaction. Microbial Biotechnology, 2014, 7, 194-195.	4.2	5
31	A Noninvasive Method for Time-Lapse Imaging of Microbial Interactions and Colony Dynamics. Microbiology Spectrum, 2022, 10, .	3.0	4
32	The race for antimicrobials in the multidrug resistance era. Microbial Biotechnology, 2018, 11, 976-978.	4.2	3
33	Microbiomes as the new keystone for life sciences development. Microbial Biotechnology, 2019, 12, 579-581.	4.2	1
34	Understanding Bacterial Physiology for Improving Full Fitness. Progress in Biological Control, 2020, , 47-60.	0.5	1
35	Mechanisms of resistance to glyphosate: an example of bacterial adaptability to anthropogenic substances. Environmental Microbiology, 2022, 24, 3313-3315.	3.8	1
36	Directed evolution, natural products for cancer chemotherapy, and microâ€biosensing robots. Microbial Biotechnology, 2011, 4, 314-317.	4.2	0

#	Article	IF	Citations
37	Evolution of antibiotic resistance, catabolic pathways and niche colonization. Microbial Biotechnology, 2012, 5, 452-454.	4.2	0
38	Insights in a novel gramâ€positive type IV secretion system. Environmental Microbiology, 2018, 20, 2334-2336.	3.8	0