MarÃ-a-Isabel Ramos-GonzÃ¡lez

List of Publications by Year
in descending order

39 papers	2,731 citations	236925 25 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	2732 citing authors

#	Article	IF	Citations
1	Mechanisms of Solvent Tolerance in Gram-Negative Bacteria. Annual Review of Microbiology, 2002, 56, 743-768.	7.3	705
2	Responses of Gram-negative bacteria to certain environmental stressors. Current Opinion in Microbiology, 2001, 4, 166-171.	5.1	192
3	Genomic analysis reveals the major driving forces of bacterial life in the rhizosphere. Genome Biology, 2007, 8, R179.	9.6	183
4	Toluene metabolism by the solvent-tolerant Pseudomonas putida DOT-T1 strain, and its role in solvent impermeabilization. Gene, 1999, 232, 69-76.	2.2	123
5	Analysis of Pseudomonas putida KT2440 Gene Expression in the Maize Rhizosphere: In Vitro Expression Technology Capture and Identification of Root-Activated Promoters. Journal of Bacteriology, 2005, 187, 4033-4041.	2.2	120
6	Pseudomonas putida KT2440 causes induced systemic resistance and changes in Arabidopsis root exudation. Environmental Microbiology Reports, 2010, 2, 381-388.	2.4	101
7	Cloning, Sequencing, and Phenotypic Characterization of the rpoS Gene from Pseudomonas putida KT2440. Journal of Bacteriology, 1998, 180, 3421-3431.	2.2	101
8	Survival in soils of an herbicide-resistant Pseudomonas putida strain bearing a recombinant TOL plasmid. Applied and Environmental Microbiology, 1991, 57, 260-266.	3.1	100
9	Conjugational transfer of recombinant DNA in cultures and in soils: host range of Pseudomonas putida TOL plasmids. Applied and Environmental Microbiology, 1991, 57, 3020-3027.	3.1	100
10	Roles of Cyclic Di-GMP and the Gac System in Transcriptional Control of the Genes Coding for the Pseudomonas putida Adhesins LapA and LapF. Journal of Bacteriology, 2014, 196, 1484-1495.	2.2	87
11	Cyclic diguanylate turnover mediated by the sole GGDEF/EAL response regulator in Pseudomonas putida: its role in the rhizosphere and an analysis of its target processes. Environmental Microbiology, 2011, 13, 1745-1766.	3.8	81
12	The Pseudomonas putida peptidoglycan-associated outer membrane lipoprotein is involved in maintenance of the integrity of the cell cell envelope. Journal of Bacteriology, 1996, 178, 1699-1706.	2.2	76
13	Laboratory research aimed at closing the gaps in microbial bioremediation. Trends in Biotechnology, 2011, 29, 641-647.	9.3	74
14	Temperature and pyoverdine-mediated iron acquisition control surface motility ofPseudomonas putida. Environmental Microbiology, 2007, 9, 1842-1850.	3.8	62
15	Genetic Engineering of a Highly Solvent-Tolerant Pseudomonas putida Strain for Biotransformation of Toluene to p- Hydroxybenzoate. Applied and Environmental Microbiology, 2003, 69, 5120-5127.	3.1	49
16	Role of iron and the TonB system in colonization of corn seeds and roots by Pseudomonas putida KT2440. Environmental Microbiology, 2005, 7, 443-449.	3.8	48
17	Cross-Regulation between a Novel Two-Component Signal Transduction System for Catabolism of Toluene in Pseudomonas mendocina and the TodST System from Pseudomonas putida. Journal of Bacteriology, 2002, 184, 7062-7067.	2.2	46
18	Genome-wide analysis of the FleQ direct regulon in Pseudomonas fluorescens F113 and Pseudomonas putida KT2440. Scientific Reports, 2018, 8, 13145.	3.3	44

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19	Interplay between extracellular matrix components of Pseudomonas putida biofilms. Research in Microbiology, 2013, 164, 382-389.	2.1	42
20	FleQ of Pseudomonas putida KT2440 is a multimeric cyclic diguanylate binding protein that differentially regulates expression of biofilm matrix components. Research in Microbiology, 2017, 168, 36-45.	2.1	42
21	Genetic Dissection of the Regulatory Network Associated with High c-di-GMP Levels in Pseudomonas putida KT2440. Frontiers in Microbiology, 2016, 7, 1093.	3.5	37
22	Involvement of the TonB System in Tolerance to Solvents and Drugs in Pseudomonas putida DOT-T1E. Journal of Bacteriology, 2001, 183, 5285-5292.	2.2	36
23	Physiological Characterization of Pseudomonas putida DOT-T1E Tolerance to p -Hydroxybenzoate. Applied and Environmental Microbiology, 2001, 67, 4338-4341.	3.1	32
24	Study of the TmoS/TmoT twoâ€component system: towards the functional characterization of the family of TodS/TodT like systems. Microbial Biotechnology, 2012, 5, 489-500.	4.2	28
25	Self-Regulation and Interplay of Rsm Family Proteins Modulate the Lifestyle of Pseudomonas putida. Applied and Environmental Microbiology, 2016, 82, 5673-5686.	3.1	28
26	Arginine Biosynthesis Modulates Pyoverdine Production and Release in Pseudomonas putida as Part of the Mechanism of Adaptation to Oxidative Stress. Journal of Bacteriology, 2019, 201, .	2.2	26
27	Fate of Pseudomonas putida after release into lake water mesocosms: Different survival mechanisms in response to environmental conditions. Microbial Ecology, 1994, 27, 99-122.	2.8	25
28	The Pseudomonas putida CsrA/RsmA homologues negatively affect câ€diâ€GMP pools and biofilm formation through the GGDEF/EAL response regulator CfcR. Environmental Microbiology, 2017, 19, 3551-3566.	3.8	22
29	Arginine as an environmental and metabolic cue for cyclic diguanylate signalling and biofilm formation in Pseudomonas putida. Scientific Reports, 2020, 10, 13623.	3.3	22
30	Characterization of the Pseudomonas putida Mobile Genetic Element ISPpu 10 : an Occupant of Repetitive Extragenic Palindromic Sequences. Journal of Bacteriology, 2006, 188, 37-44.	2.2	21
31	Identification of a Novel Calcium Binding Motif Based on the Detection of Sequence Insertions in the Animal Peroxidase Domain of Bacterial Proteins. PLoS ONE, 2012, 7, e40698.	2.5	15
32	Pseudomonas putida mutants in the exbBexbDtonB gene cluster are hypersensitive to environmental and chemical stressors. Environmental Microbiology, 2004, 6, 605-610.	3.8	14
33	A WbpL mutant of Pseudomonas putida DOT-T1E strain, which lacks the O-antigenic side chain of lipopolysaccharides, is tolerant to organic solvent shocks. Extremophiles, 2001, 5, 93-99.	2.3	11
34	Role of the Transcriptional Regulator ArgR in the Connection between Arginine Metabolism and c-di-GMP Signaling in Pseudomonas putida. Applied and Environmental Microbiology, 2022, 88, e0006422.	3.1	9
35	Genome-Wide Analysis of Targets for Post-Transcriptional Regulation by Rsm Proteins in Pseudomonas putida. Frontiers in Molecular Biosciences, 2021, 8, 624061.	3.5	8
36	<scp>Câ€diâ€GMP</scp> and biofilm are regulated in Pseudomonas putida by the <scp>CfcA</scp>/<scp>CfcR</scp> twoâ€component system in response to salts. Environmental Microbiology, 2022, 24, 158-178.	3.8	8

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37	In Vivo Gene Expression: The IVET System. , 2004, , 351-366.		2
38	Removal of Hydrocarbons and Other Related Chemicals Via the Rhizosphere of Plants. , 2018, , 1-13.		1
39	Removal of Hydrocarbons and Other Related Chemicals via the Rhizosphere of Plants. , 2019, , 157-169.		0