Juan Luis Ramos MartÃ-n

List of Publications by Year
in descending order

293 papers	17,028 citations	11608 70 h-index	21474 114 g-index
298 all docs	298 docs citations	298 times ranked	13427 citing authors

#	Article	IF	Citations
1	The TetR Family of Transcriptional Repressors. Microbiology and Molecular Biology Reviews, 2005, 69, 326-356.	2.9	989
2	Mechanisms of Solvent Tolerance in Gram-Negative Bacteria. Annual Review of Microbiology, 2002, 56, 743-768.	2.9	705
3	Transition from reversible to irreversible attachment during biofilm formation by Pseudomonas fluorescens WCS365 requires an ABC transporter and a large secreted protein. Molecular Microbiology, 2003, 49, 905-918.	1.2	438
4	Biological Degradation of 2,4,6-Trinitrotoluene. Microbiology and Molecular Biology Reviews, 2001, 65, 335-352.	2.9	391
5	Genetic Analysis of Functions Involved in Adhesion of Pseudomonas putida to Seeds. Journal of Bacteriology, 2000, 182, 2363-2369.	1.0	322
6	TRANSCRIPTIONAL CONTROL OF THEPSEUDOMONASTOL PLASMID CATABOLIC OPERONS IS ACHIEVED THROUGH AN INTERPLAY OF HOST FACTORS AND PLASMID-ENCODED REGULATORS. Annual Review of Microbiology, 1997, 51, 341-373.	2.9	315
7	Bacterial Sensor Kinases: Diversity in the Recognition of Environmental Signals. Annual Review of Microbiology, 2010, 64, 539-559.	2.9	310
8	Mechanisms for Solvent Tolerance in Bacteria. Journal of Biological Chemistry, 1997, 272, 3887-3890.	1.6	251
9	Three Efflux Pumps Are Required To Provide Efficient Tolerance to Toluene in Pseudomonas putida DOT-T1E. Journal of Bacteriology, 2001, 183, 3967-3973.	1.0	240
10	Convergent Peripheral Pathways Catalyze Initial Glucose Catabolism in Pseudomonas putida : Genomic and Flux Analysis. Journal of Bacteriology, 2007, 189, 5142-5152.	1.0	231
11	Transcriptional Tradeoff between Metabolic and Stress-response Programs in Pseudomonas putida KT2440 Cells Exposed to Toluene. Journal of Biological Chemistry, 2006, 281, 11981-11991.	1.6	207
12	Members of the IclR family of bacterial transcriptional regulators function as activators and/or repressors. FEMS Microbiology Reviews, 2006, 30, 157-186.	3.9	206
13	Responses of Gram-negative bacteria to certain environmental stressors. Current Opinion in Microbiology, 2001, 4, 166-171.	2.3	192
14	Biofuels 2020: Biorefineries based on lignocellulosic materials. Microbial Biotechnology, 2016, 9, 585-594.	2.0	189
15	Genomic analysis reveals the major driving forces of bacterial life in the rhizosphere. Genome Biology, 2007, 8, R179.	13.9	183
16	Survival of Pseudomonas putida KT2440 in soil and in the rhizosphere of plants under greenhouse and environmental conditions. Soil Biology and Biochemistry, 2000, 32, 315-321.	4.2	181
17	Solvent tolerance in Gram-negative bacteria. Current Opinion in Biotechnology, 2012, 23, 415-421.	3.3	169
18	Proteomic Analysis Reveals the Participation of Energy- and Stress-Related Proteins in the Response of Pseudomonas putida DOT-T1E to Toluene. Journal of Bacteriology, 2005, 187, 5937-5945.	1.0	154

#	Article	IF	Citations
19	Sensing of environmental signals: classification of chemoreceptors according to the size of their ligand binding regions. Environmental Microbiology, 2010, 12, 2873-2884.	1.8	151
20	Bioremediation of 2,4,6-Trinitrotoluene by Bacterial Nitroreductase Expressing Transgenic Aspen. Environmental Science & Technology, 2008, 42, 7405-7410.	4.6	148
21	Mechanisms of solvent resistance mediated by interplay of cellular factors in<i>Pseudomonas putida</i>. FEMS Microbiology Reviews, 2015, 39, 555-566.	3.9	143
22	Involvement of the <i>cis/trans</i> Isomerase Cti in Solvent Resistance of <i>Pseudomonas putida</i> DOT-T1E. Journal of Bacteriology, 1999, 181, 5693-5700.	1.0	141
23	Antibiotic-Dependent Induction of Pseudomonas putida DOT-T1E TtgABC Efflux Pump Is Mediated by the Drug Binding Repressor TtgR. Antimicrobial Agents and Chemotherapy, 2003, 47, 3067-3072.	1.4	134
24	Highâ€quality genomeâ€scale metabolic modelling of <i>Pseudomonas putida</i> highlights its broad metabolic capabilities. Environmental Microbiology, 2020, 22, 255-269.	1.8	127
25	Dual System To Reinforce Biological Containment of Recombinant Bacteria Designed for Rhizoremediation. Applied and Environmental Microbiology, 2001, 67, 2649-2656.	1.4	124
26	Identification of Products Resulting from the Biological Reduction of 2,4,6-Trinitrotoluene, 2,4-Dinitrotoluene, and 2,6-Dinitrotoluene byPseudomonassp.. Environmental Science & Technology, 1996, 30, 2365-2370.	4.6	123
27	Toluene metabolism by the solvent-tolerant Pseudomonas putida DOT-T1 strain, and its role in solvent impermeabilization. Gene, 1999, 232, 69-76.	1.0	123
28	Growth phase-dependent expression of the Pseudomonas putida KT2440 transcriptional machinery analysed with a genome-wide DNA microarray. Environmental Microbiology, 2006, 8, 165-177.	1.8	123
29	Diversity at its best: bacterial taxis. Environmental Microbiology, 2011, 13, 1115-1124.	1.8	123
30	Multiple and Interconnected Pathways for l -Lysine Catabolism in Pseudomonas putida KT2440. Journal of Bacteriology, 2005, 187, 7500-7510.	1.0	122
31	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.	1.0	120
32	Bacterial diversity in the rhizosphere of maize and the surrounding carbonateâ€rich bulk soil. Microbial Biotechnology, 2013, 6, 36-44.	2.0	120
33	Back to the Future of Soil Metagenomics. Frontiers in Microbiology, 2016, 7, 73.	1.5	120
34	Plantâ€“bacteria interactions in the removal of pollutants. Current Opinion in Biotechnology, 2013, 24, 467-473.	3.3	118
35	Crystal Structures of Multidrug Binding Protein TtgR in Complex with Antibiotics and Plant Antimicrobials. Journal of Molecular Biology, 2007, 369, 829-840.	2.0	116
36	A Set of Genes Encoding a Second Toluene Efflux System in Pseudomonas putida DOT-T1E Is Linked to the tod Genes for Toluene Metabolism. Journal of Bacteriology, 2000, 182, 937-943.	1.0	113

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37	Global and cognate regulators control the expression of the organic solvent efflux pumps TtgABC and TtgDEF of Pseudomonas putida. Molecular Microbiology, 2001, 39, 1100-1106.	1.2	109
38	16S rDNA phylogeny and distribution of lin genes in novel hexachlorocyclohexane-degrading Sphingomonas strains. Environmental Microbiology, 2005, 7, 1329-1338.	1.8	106
39	Microbial stratification in low pH oxic and suboxic macroscopic growths along an acid mine drainage. ISME Journal, 2014, 8, 1259-1274.	4.4	105
40	Bioremediation of 2,4,6-Trinitrotoluene under Field Conditions. Environmental Science & Technology, 2007, 41, 1378-1383.	4.6	104
41	Evidence for in situ crude oil biodegradation after the Prestige oil spill. Environmental Microbiology, 2005, 7, 773-779.	1.8	102
42	PnrA, a new nitroreductase-family enzyme in the TNT-degrading strain Pseudomonas putida JLR11. Environmental Microbiology, 2005, 7, 1211-1219.	1.8	101
43	<i>Pseudomonas putida</i> KT2440 causes induced systemic resistance and changes in Arabidopsis root exudation. Environmental Microbiology Reports, 2010, 2, 381-388.	1.0	101
44	Bacterial responses and interactions with plants during rhizoremediation. Microbial Biotechnology, 2009, 2, 452-464.	2.0	100
45	The urgent need for microbiology literacy in society. Environmental Microbiology, 2019, 21, 1513-1528.	1.8	99
46	Mutations in Each of the tol Genes ofPseudomonas putida Reveal that They Are Critical for Maintenance of Outer Membrane Stability. Journal of Bacteriology, 2000, 182, 4764-4772.	1.0	98
47	Bioremediation of polynitrated aromatic compounds: plants and microbes put up a fight. Current Opinion in Biotechnology, 2005, 16, 275-281.	3.3	94
48	A Pseudomonas putida cardiolipin synthesis mutant exhibits increased sensitivity to drugs related to transport functionality. Environmental Microbiology, 2007, 9, 1135-1145.	1.8	93
49	Signal-regulator interactions, genetic analysis of the effector binding site of xyls, the benzoate-activated positive regulator of Pseudomonas TOL plasmid meta-cleavage pathway operon. Journal of Molecular Biology, 1990, 211, 373-382.	2.0	92
50	Simultaneous Catabolite Repression between Glucose and Toluene Metabolism in <i>Pseudomonas putida</i> Is Channeled through Different Signaling Pathways. Journal of Bacteriology, 2007, 189, 6602-6610.	1.0	92
51	Detection of multiple extracytoplasmic function (ECF) sigma factors in the genome of Pseudomonas putida KT2440 and their counterparts in Pseudomonas aeruginosa PA01. Environmental Microbiology, 2002, 4, 842-855.	1.8	91
52	Metabolism of 2,4,6-Trinitrotoluene byPseudomonassp. JLR11. Environmental Science & Technology, 1998, 32, 3802-3808.	4.6	90
53	Mechanisms of Resistance to Chloramphenicol in Pseudomonas putida KT2440. Antimicrobial Agents and Chemotherapy, 2012, 56, 1001-1009.	1.4	89
54	Analysis of the plant growthâ€promoting properties encoded by the genome of the rhizobacterium <i><scp>P</scp>seudomonas putida</i>â€…<scp>BIRD</scp>â€1. Environmental Microbiology, 2013, 15, 780-794.	1.8	89

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55	In Vivo and In Vitro Evidence that TtgV Is the Specific Regulator of the TtgGHI Multidrug and Solvent Efflux Pump of Pseudomonas putida. Journal of Bacteriology, 2003, 185, 4755-4763.	1.0	88
56	Bacterial sensor kinase TodS interacts with agonistic and antagonistic signals. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13774-13779.	3.3	88
57	Identification of a Chemoreceptor for Tricarboxylic Acid Cycle Intermediates. Journal of Biological Chemistry, 2010, 285, 23126-23136.	1.6	87
58	Paralogous chemoreceptors mediate chemotaxis towards protein amino acids and the nonâ€protein amino acid gammaâ€aminobutyrate (<scp>GABA</scp>). Molecular Microbiology, 2013, 88, 1230-1243.	1.2	87
59	Antibiotic Resistance Determinants in a Pseudomonas putida Strain Isolated from a Hospital. PLoS ONE, 2014, 9, e81604.	1.1	86
60	Involvement of Cyclopropane Fatty Acids in the Response of Pseudomonas putida KT2440 to Freeze-Drying. Applied and Environmental Microbiology, 2006, 72, 472-477.	1.4	84
61	Integration of Signals through Crc and PtsN in Catabolite Repression of Pseudomonas putida TOL Plasmid pWW0. Applied and Environmental Microbiology, 2005, 71, 4191-4198.	1.4	81
62	Cyclic diguanylate turnover mediated by the sole GGDEF/EAL response regulator in <i>Pseudomonas putida</i>: its role in the rhizosphere and an analysis of its target processes. Environmental Microbiology, 2011, 13, 1745-1766.	1.8	81
63	Effector-Repressor Interactions, Binding of a Single Effector Molecule to the Operator-bound TtgR Homodimer Mediates Derepression. Journal of Biological Chemistry, 2006, 281, 7102-7109.	1.6	79
64	Bacterial chemotaxis towards aromatic hydrocarbons in <i>Pseudomonas</i>. Environmental Microbiology, 2011, 13, 1733-1744.	1.8	78
65	Analysis of the pathogenic potential of nosocomial Pseudomonas putida strains. Frontiers in Microbiology, 2015, 6, 871.	1.5	78
66	The XylS-dependent Pm promoter is transcribed in vivo by RNA polymerase with sigma32 or sigma38 depending on the growth phase. Molecular Microbiology, 1999, 31, 1105-1113.	1.2	77
67	Regulation of Glucose Metabolism in Pseudomonas. Journal of Biological Chemistry, 2009, 284, 21360-21368.	1.6	77
68	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.	1.8	77
69	A Set of Activators and Repressors Control Peripheral Glucose Pathways in <i>Pseudomonas putida</i> To Yield a Common Central Intermediate. Journal of Bacteriology, 2008, 190, 2331-2339.	1.0	76
70	Compensatory role of thecis-trans-isomerase and cardiolipin synthase in the membrane fluidity ofPseudomonas putidaDOT-T1E. Environmental Microbiology, 2007, 9, 1658-1664.	1.8	74
71	Laboratory research aimed at closing the gaps in microbial bioremediation. Trends in Biotechnology, 2011, 29, 641-647.	4.9	74
72	Respiration of 2,4,6-Trinitrotoluene by Pseudomonassp. Strain JLR11. Journal of Bacteriology, 2000, 182, 1352-1355.	1.0	73

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73	The contribution of microbial biotechnology to sustainable development goals. Microbial Biotechnology, 2017, 10, 984-987.	2.0	73
74	The xylS gene positive regulator of TOL plasmid pWWO: Identification, sequence analysis and overproduction leading to constitutive expression of meta cleavage operon. Molecular Genetics and Genomics, 1987, 207, 349-354.	2.4	70
75	The TodS-TodT two-component regulatory system recognizes a wide range of effectors and works with DNA-bending proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8191-8196.	3.3	70
76	Analysis of the mRNA structure of the Pseudomonas putida TOL meta fission pathway operon around the transcription initiation point, the xylTE and the xylFJ regions. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 227-236.	2.4	69
77	The Multidrug Efflux Regulator TtgV Recognizes a Wide Range of Structurally Different Effectors in Solution and Complexed with Target DNA. Journal of Biological Chemistry, 2005, 280, 20887-20893.	1.6	68
78	Evidence for chemoreceptors with bimodular ligand-binding regions harboring two signal-binding sites. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18926-18931.	3.3	68
79	Cell Density-Dependent Gene Contributes to Efficient Seed Colonization by Pseudomonas putida KT2440. Applied and Environmental Microbiology, 2004, 70, 5190-5198.	1.4	65
80	The ttgGHI solvent efflux pump operon of Pseudomonas putida DOT-T1E is located on a large self-transmissible plasmid. Environmental Microbiology, 2007, 9, 1550-1561.	1.8	65
81	Analysis of the core genome and pangenome of <scp><i>P</i></scp><i>seudomonas putida</i>. Environmental Microbiology, 2016, 18, 3268-3283.	1.8	65
82	Urinary levels of arsenic and heavy metals in children and adolescents living in the industrialised area of Ria of Huelva (SW Spain). Environment International, 2010, 36, 563-569.	4.8	64
83	Role of Pseudomonas putida tol-oprL Gene Products in Uptake of Solutes through the Cytoplasmic Membrane. Journal of Bacteriology, 2003, 185, 4707-4716.	1.0	63
84	Identification of conditionally essential genes for growth of<i>Pseudomonas putida</i>KT2440 on minimal medium through the screening of a genomeâ€wide mutant library. Environmental Microbiology, 2010, 12, 1468-1485.	1.8	63
85	Biotransformation in Double-Phase Systems: Physiological Responses of Pseudomonas putida DOT-T1E to a Double Phase Made of Aliphatic Alcohols and Biosynthesis of Substituted Catechols. Applied and Environmental Microbiology, 2004, 70, 3637-3643.	1.4	62
86	A two-partner secretion system is involved in seed and root colonization and iron uptake by Pseudomonas putida KT2440. Environmental Microbiology, 2006, 8, 639-647.	1.8	62
87	Temperature and pyoverdine-mediated iron acquisition control surface motility ofPseudomonas putida. Environmental Microbiology, 2007, 9, 1842-1850.	1.8	62
88	Physiological responses of <i>Pseudomonas putida</i> to formaldehyde during detoxification. Microbial Biotechnology, 2008, 1, 158-169.	2.0	61
89	Enhanced Tolerance to Naphthalene and Enhanced Rhizoremediation Performance for Pseudomonas putida KT2440 via the NAH7 Catabolic Plasmid. Applied and Environmental Microbiology, 2012, 78, 5104-5110.	1.4	61
90	Assimilation of Nitrogen from Nitrite and Trinitrotoluene in Pseudomonas putida JLR11. Journal of Bacteriology, 2005, 187, 396-399.	1.0	59

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91	Benefits and perspectives on the use of biofuels. Microbial Biotechnology, 2016, 9, 436-440.	2.0	59
92	Escherichia coli has multiple enzymes that attack TNT and release nitrogen for growth. Environmental Microbiology, 2007, 9, 1535-1540.	1.8	57
93	Critical Nucleotides in the Upstream Region of the XylS-dependent TOL meta-Cleavage Pathway Operon Promoter as Deduced from Analysis of Mutants. Journal of Biological Chemistry, 1999, 274, 2286-2290.	1.6	55
94	Identification of the Initial Steps in d -Lysine Catabolism in Pseudomonas putida. Journal of Bacteriology, 2007, 189, 2787-2792.	1.0	55
95	Microbial responses to xenobiotic compounds. Identification of genes that allow <i>Pseudomonas putida</i> KT2440 to cope with 2,4,6â€trinitrotoluene. Microbial Biotechnology, 2009, 2, 287-294.	2.0	54
96	Exploring the rhizospheric and endophytic bacterial communities of Acer pseudoplatanus growing on a TNT-contaminated soil: towards the development of a rhizocompetent TNT-detoxifying plant growth promoting consortium. Plant and Soil, 2014, 385, 15-36.	1.8	54
97	The soil crisis: the need to treat as a global health problem and the pivotal role of microbes in prophylaxis and therapy. Microbial Biotechnology, 2021, 14, 769-797.	2.0	53
98	Cyclopropane fatty acids are involved in organic solvent tolerance but not in acid stress resistance in <i>Pseudomonas putida</i> DOTâ€T1E. Microbial Biotechnology, 2009, 2, 253-261.	2.0	52
99	Complete Genome of the Plant Growth-Promoting Rhizobacterium<i>Pseudomonas putida</i>BIRD-1. Journal of Bacteriology, 2011, 193, 1290-1290.	1.0	52
100	Taxonomic and Functional Metagenomic Profiling of the Microbial Community in the Anoxic Sediment of a Sub-saline Shallow Lake (Laguna de Carrizo, Central Spain). Microbial Ecology, 2011, 62, 824-837.	1.4	51
101	Control of Expression of Divergent Pseudomonas putida put Promoters for Proline Catabolism. Applied and Environmental Microbiology, 2000, 66, 5221-5225.	1.4	50
102	REP code: defining bacterial identity in extragenic space. Environmental Microbiology, 2005, 7, 225-228.	1.8	50
103	Rhizoremediation of lindane by rootâ€colonizing <i>Sphingomonas</i>. Microbial Biotechnology, 2008, 1, 87-93.	2.0	50
104	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.	1.4	49
105	OYE Flavoprotein Reductases Initiate the Condensation of TNT-Derived Intermediates to Secondary Diarylamines and Nitrite. Environmental Science & Technology, 2008, 42, 734-739.	4.6	48
106	Identification of reciprocal adhesion genes in pathogenic and nonâ€pathogenic <i>Pseudomonas</i>. Environmental Microbiology, 2013, 15, 36-48.	1.8	48
107	Global Regulation of Food Supply by <i>P</i> <i>seudomonas p</i> <i>utida</i> DOT-T1E. Journal of Bacteriology, 2010, 192, 2169-2181.	1.0	47
108	Responses of Pseudomonas putida to toxic aromatic carbon sources. Journal of Biotechnology, 2012, 160, 25-32.	1.9	47

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109	Assessing Bacterial Diversity in the Rhizosphere of Thymus zygis Growing in the Sierra Nevada National Park (Spain) through Culture-Dependent and Independent Approaches. PLoS ONE, 2016, 11, e0146558.	1.1	47
110	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.	1.0	46
111	TtgV Bound to a Complex Operator Site Represses Transcription of the Promoter for the Multidrug and Solvent Extrusion TtgGHI Pump. Journal of Bacteriology, 2004, 186, 2921-2927.	1.0	46
112	The IclR family of transcriptional activators and repressors can be defined by a single profile. Protein Science, 2006, 15, 1207-1213.	3.1	45
113	The RpoT Regulon of Pseudomonas putida DOT-T1E and Its Role in Stress Endurance against Solvents. Journal of Bacteriology, 2007, 189, 207-219.	1.0	44
114	Towards a Genome-Wide Mutant Library of Pseudomonas putida Strain KT2440. , 2007, , 227-251.		44
115	Regulation of carbohydrate degradation pathways in <i>Pseudomonas</i> involves a versatile set of transcriptional regulators. Microbial Biotechnology, 2018, 11, 442-454.	2.0	44
116	The pGRT1 plasmid of <i>Pseudomonas putida</i> DOTâ€T1E encodes functions relevant for survival under harsh conditions in the environment. Environmental Microbiology, 2011, 13, 2315-2327.	1.8	43
117	Chemical and Microbiological Characterization of Atmospheric Particulate Matter during an Intense African Dust Event in Southern Spain. Environmental Science & Technology, 2013, 47, 3630-3638.	4.6	43
118	The pangenome of the genus <scp><i>C</i></scp><i>lostridium</i>. Environmental Microbiology, 2017, 19, 2588-2603.	1.8	43
119	Comparative genomic analysis of solvent extrusion pumps in Pseudomonas strains exhibiting different degrees of solvent tolerance. Extremophiles, 2003, 7, 371-376.	0.9	42
120	Type II Hydride Transferases from Different Microorganisms Yield Nitrite and Diarylamines from Polynitroaromatic Compounds. Applied and Environmental Microbiology, 2008, 74, 6820-6823.	1.4	42
121	Leucines 193 and 194 at the N-Terminal Domain of the XylS Protein, the Positive Transcriptional Regulator of the TOL meta -Cleavage Pathway, Are Involved in Dimerization. Journal of Bacteriology, 2003, 185, 3036-3041.	1.0	41
122	Role of the ptsN Gene Product in Catabolite Repression of the Pseudomonas putida TOL Toluene Degradation Pathway in Chemostat Culturesâ–¿. Applied and Environmental Microbiology, 2006, 72, 7418-7421.	1.4	41
123	Biomonitoring of urinary metals in a population living in the vicinity of industrial sources: A comparison with the general population of Andalusia, Spain. Science of the Total Environment, 2008, 407, 669-678.	3.9	41
124	Subfunctionality of Hydride Transferases of the Old Yellow Enzyme Family of Flavoproteins of <i>Pseudomonas putida</i>. Applied and Environmental Microbiology, 2008, 74, 6703-6708.	1.4	41
125	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.	6.5	41
126	Pseudomonas putida as a platform for the synthesis of aromatic compounds. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	41

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127	Regulation of nitrogenase levels in Anabaena sp. ATCC 33047 and other filamentous cyanobacteria. Archives of Microbiology, 1985, 141, 105-111.	1.0	40
128	The davDT Operon of Pseudomonas putida, Involved in Lysine Catabolism, Is Induced in Response to the Pathway Intermediate Î´-Aminovaleric Acid. Journal of Bacteriology, 2004, 186, 3439-3446.	1.0	40
129	Analysis of solvent tolerance in <i>Pseudomonas putida</i> DOTâ€T1E based on its genome sequence and a collection of mutants. FEBS Letters, 2012, 586, 2932-2938.	1.3	40
130	Mutations in Genes Involved in the Flagellar Export Apparatus of the Solvent-Tolerant Pseudomonas putida DOT-T1E Strain Impair Motility and Lead to Hypersensitivity to Toluene Shocks. Journal of Bacteriology, 2001, 183, 4127-4133.	1.0	39
131	Optimization of the Palindromic Order of the TtgR Operator Enhances Binding Cooperativity. Journal of Molecular Biology, 2007, 369, 1188-1199.	2.0	39
132	Responses of Pseudomonas to small toxic molecules by a mosaic of domains. Current Opinion in Microbiology, 2009, 12, 215-220.	2.3	39
133	Microorganisms and Explosives: Mechanisms of Nitrogen Release from TNT for Use as an N-Source for Growth. Environmental Science & Technology, 2009, 43, 2773-2776.	4.6	38
134	Compartmentalized Glucose Metabolism in <i>Pseudomonas putida</i> Is Controlled by the PtxS Repressor. Journal of Bacteriology, 2010, 192, 4357-4366.	1.0	38
135	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.	2.0	38
136	Retrotransfer of DNA in the rhizosphere. Environmental Microbiology, 2000, 2, 319-323.	1.8	37
137	Tolerance to Sudden Organic Solvent Shocks by Soil Bacteria and Characterization ofPseudomonas putidaStrains Isolated from Toluene Polluted Sites. Environmental Science & Technology, 2000, 34, 3395-3400.	4.6	37
138	Roles of Effectors in XylS-Dependent Transcription Activation: Intramolecular Domain Derepression and DNA Binding. Journal of Bacteriology, 2008, 190, 3118-3128.	1.0	37
139	Characterization of the RND family of multidrug efflux pumps: <i>in silico</i> to <i>in vivo</i> confirmation of four functionally distinct subgroups. Microbial Biotechnology, 2010, 3, 691-700.	2.0	37
140	The Pseudomonas aeruginosa quinolone quorum sensing signal alters the multicellular behaviour of Pseudomonas putida KT2440. Research in Microbiology, 2011, 162, 773-781.	1.0	37
141	Metabolic potential of the organicâ€solvent tolerant P seudomonas putida â€... DOT â€T1E deduced from its annotated genome. Microbial Biotechnology, 2013, 6, 598-611.	2.0	37
142	Involvement of the TonB System in Tolerance to Solvents and Drugs in Pseudomonas putida DOT-T1E. Journal of Bacteriology, 2001, 183, 5285-5292.	1.0	36
143	Controlling bacterial physiology for optimal expression of gene reporter constructs. Current Opinion in Biotechnology, 2006, 17, 50-56.	3.3	36
144	Identification and characterization of the PhhR regulon in <i>Pseudomonas putida</i>. Environmental Microbiology, 2010, 12, 1427-1438.	1.8	36

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145	Global transcriptional response of solventâ€sensitive and solventâ€tolerant <i>Pseudomonas putida</i> strains exposed to toluene. Environmental Microbiology, 2017, 19, 645-658.	1.8	36
146	The Sensor Kinase TodS Operates by a Multiple Step Phosphorelay Mechanism Involving Two Autokinase Domains. Journal of Biological Chemistry, 2009, 284, 10353-10360.	1.6	34
147	RNA Polymerase Holoenzymes Can Share a Single Transcription Start Site for the Pm Promoter. Journal of Biological Chemistry, 2005, 280, 41315-41323.	1.6	33
148	Genes for Carbon Metabolism and the ToxA Virulence Factor in Pseudomonas aeruginosa Are Regulated through Molecular Interactions of PtxR and PtxS. PLoS ONE, 2012, 7, e39390.	1.1	33
149	High Specificity in CheR Methyltransferase Function. Journal of Biological Chemistry, 2013, 288, 18987-18999.	1.6	33
150	Physiological Characterization of Pseudomonas putida DOT-T1E Tolerance to p -Hydroxybenzoate. Applied and Environmental Microbiology, 2001, 67, 4338-4341.	1.4	32
151	Synergic role of the two <scp><i>ars</i></scp> operons in arsenic tolerance in <scp><i>P</i></scp><i>seudomonas putida</i>â€…<scp>KT</scp>2440. Environmental Microbiology Reports, 2014, 6, 483-489.	1.0	32
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