

Rita HÃµrak

List of Publications by Year in descending order

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28
papers

767
citations

643344

15
h-index

591227

27
g-index

30
all docs

30
docs citations

30
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	The Disordered C-Terminus of the Chaperone DnaK Increases the Competitive Fitness of <i>Pseudomonas putida</i> and Facilitates the Toxicity of GraT. <i>Microorganisms</i> , 2021, 9, 375.	1.6	5
2	Chromosomal toxin-antitoxin systems in <i>Pseudomonas putida</i> are rather selfish than beneficial. <i>Scientific Reports</i> , 2020, 10, 9230.	1.6	20
3	The TonB _m -PocAB System Is Required for Maintenance of Membrane Integrity and Polar Position of Flagella in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	15
4	A dual role in regulation and toxicity for the disordered N-terminus of the toxin GraT. <i>Nature Communications</i> , 2019, 10, 972.	5.8	29
5	<i>Pseudomonas putida</i> Responds to the Toxin GraT by Inducing Ribosome Biogenesis Factors and Repressing TCA Cycle Enzymes. <i>Toxins</i> , 2019, 11, 103.	1.5	7
6	Desperate times call for desperate measures: benefits and costs of toxin-antitoxin systems. <i>Current Genetics</i> , 2017, 63, 69-74.	0.8	13
7	Production, biophysical characterization and crystallization of <i>Pseudomonas putida</i> GraA and its complexes with GraT and the graTA operator. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 455-462.	0.4	2
8	The toxin GraT inhibits ribosome biogenesis. <i>Molecular Microbiology</i> , 2016, 100, 719-734.	1.2	21
9	A novel papillation assay for the identification of genes affecting mutation rate in <i>Pseudomonas putida</i> and other pseudomonads. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 790, 41-55.	0.4	3
10	Responses of <i>Pseudomonas putida</i> to Zinc Excess Determined at the Proteome Level: Pathways Dependent and Independent of ColRS. <i>Journal of Proteome Research</i> , 2016, 15, 4349-4368.	1.8	26
11	Stability of the GraA Antitoxin Depends on Growth Phase, ATP Level, and Global Regulator MexT. <i>Journal of Bacteriology</i> , 2016, 198, 787-796.	1.0	11
12	The ColRS signal transduction system responds to the excess of external zinc, iron, manganese, and cadmium. <i>BMC Microbiology</i> , 2014, 14, 162.	1.3	31
13	A Moderate Toxin, GraT, Modulates Growth Rate and Stress Tolerance of <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2014, 196, 157-169.	1.0	38
14	Involvement of specialized DNA polymerases Pol II, Pol IV and DnaE2 in DNA replication in the absence of Pol I in <i>Pseudomonas putida</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 714, 63-77.	0.4	6
15	The ColRS system is essential for the hunger response of glucose-growing <i>Pseudomonas putida</i> . <i>BMC Microbiology</i> , 2011, 11, 170.	1.3	12
16	The impact of ColRS two-component system and TtgABC efflux pump on phenol tolerance of <i>Pseudomonas putida</i> becomes evident only in growing bacteria. <i>BMC Microbiology</i> , 2010, 10, 110.	1.3	26
17	Identification of ColR binding consensus and prediction of regulon of ColRS two-component system. <i>BMC Molecular Biology</i> , 2009, 10, 46.	3.0	12
18	ColRS two-component system prevents lysis of subpopulation of glucose-grown <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2008, 10, 2886-2893.	1.8	11

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19	Target Site Selection of <i>Pseudomonas putida</i> Transposon Tn 4652. <i>Journal of Bacteriology</i> , 2007, 189, 3918-3921.	1.0	11
20	The ColRS Two-Component System Regulates Membrane Functions and Protects <i>Pseudomonas putida</i> against Phenol. <i>Journal of Bacteriology</i> , 2006, 188, 8109-8117.	1.0	53
21	A DNA Polymerase V Homologue Encoded by TOL Plasmid pWW0 Confers Evolutionary Fitness on <i>Pseudomonas putida</i> under Conditions of Environmental Stress. <i>Journal of Bacteriology</i> , 2005, 187, 5203-5213.	1.0	41
22	IHF is the limiting host factor in transposition of <i>Pseudomonas putida</i> transposon Tn4652 in stationary phase. <i>Molecular Microbiology</i> , 2004, 51, 1773-1785.	1.2	21
23	The ColR-ColS two-component signal transduction system is involved in regulation of Tn4652 transposition in <i>Pseudomonas putida</i> under starvation conditions. <i>Molecular Microbiology</i> , 2004, 54, 795-807.	1.2	50
24	Involvement of λ , S in Starvation-Induced Transposition of <i>Pseudomonas putida</i> Transposon Tn 4652. <i>Journal of Bacteriology</i> , 2001, 183, 5445-5448.	1.0	97
25	Transcription from Fusion Promoters Generated during Transposition of Transposon Tn 4652 Is Positively Affected by Integration Host Factor in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2000, 182, 589-598.	1.0	21
26	Promoter-creating mutations in <i>Pseudomonas putida</i> : A model system for the study of mutation in starving bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3134-3139.	3.3	94
27	In-vivo-generated fusion promoters in <i>Pseudomonas putida</i> . <i>Gene</i> , 1993, 127, 23-29.	1.0	27
28	Regulation of the catechol 1,2-dioxygenase- and phenol monooxygenase-encoding pheBA operon in <i>Pseudomonas putida</i> PaW85. <i>Journal of Bacteriology</i> , 1993, 175, 8038-8042.	1.0	63