Rita HÃµrak

List of Publications by Year
in descending order

28 papers	767 citations	567281 15 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	684 citing authors

#	Article	IF	Citations
1	The Disordered C-Terminus of the Chaperone DnaK Increases the Competitive Fitness of Pseudomonas putida and Facilitates the Toxicity of GraT. Microorganisms, 2021, 9, 375.	3.6	5
2	Chromosomal toxin-antitoxin systems in Pseudomonas putida are rather selfish than beneficial. Scientific Reports, 2020, 10, 9230.	3.3	20
3	The TonB_m-PocAB System Is Required for Maintenance of Membrane Integrity and Polar Position of Flagella in Pseudomonas putida. Journal of Bacteriology, 2019, 201, .	2.2	15
4	A dual role in regulation and toxicity for the disordered N-terminus of the toxin GraT. Nature Communications, 2019, 10, 972.	12.8	29
5	Pseudomonas putida Responds to the Toxin GraT by Inducing Ribosome Biogenesis Factors and Repressing TCA Cycle Enzymes. Toxins, 2019, 11, 103.	3.4	7
6	Desperate times call for desperate measures: benefits and costs of toxinâ€"antitoxin systems. Current Genetics, 2017, 63, 69-74.	1.7	13
7	Production, biophysical characterization and crystallization ofPseudomonas putidaGraA and its complexes with GraT and thegraTAoperator. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 455-462.	0.8	2
8	The toxin GraT inhibits ribosome biogenesis. Molecular Microbiology, 2016, 100, 719-734.	2.5	21
9	A novel papillation assay for the identification of genes affecting mutation rate in Pseudomonas putida and other pseudomonads. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 790, 41-55.	1.0	3
10	Responses of <i>Pseudomonas putida</i> to Zinc Excess Determined at the Proteome Level: Pathways Dependent and Independent of ColRS. Journal of Proteome Research, 2016, 15, 4349-4368.	3.7	26
11	Stability of the GraA Antitoxin Depends on Growth Phase, ATP Level, and Global Regulator MexT. Journal of Bacteriology, 2016, 198, 787-796.	2.2	11
12	The ColRS signal transduction system responds to the excess of external zinc, iron, manganese, and cadmium. BMC Microbiology, 2014, 14, 162.	3.3	31
13	A Moderate Toxin, GraT, Modulates Growth Rate and Stress Tolerance of Pseudomonas putida. Journal of Bacteriology, 2014, 196, 157-169.	2.2	38
14	Involvement of specialized DNA polymerases Pol II, Pol IV and DnaE2 in DNA replication in the absence of Pol I in Pseudomonas putida. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 714, 63-77.	1.0	6
15	The ColRS system is essential for the hunger response of glucose-growing Pseudomonas putida. BMC Microbiology, 2011, 11, 170.	3.3	12
16	The impact of ColRS two-component system and TtgABC efflux pump on phenol tolerance of Pseudomonas putida becomes evident only in growing bacteria. BMC Microbiology, 2010, 10, 110.	3.3	26
17	Identification of ColR binding consensus and prediction of regulon of ColRS two-component system. BMC Molecular Biology, 2009, 10, 46.	3.0	12
18	ColRS twoâ€component system prevents lysis of subpopulation of glucoseâ€grown <i>Pseudomonas putida</i>. Environmental Microbiology, 2008, 10, 2886-2893.	3.8	11

#	Article	IF	Citations
19	Target Site Selection of Pseudomonas putida Transposon Tn 4652. Journal of Bacteriology, 2007, 189, 3918-3921.	2.2	11
20	The ColRS Two-Component System Regulates Membrane Functions and Protects Pseudomonas putida against Phenol. Journal of Bacteriology, 2006, 188, 8109-8117.	2.2	53
21	A DNA Polymerase V Homologue Encoded by TOL Plasmid pWW0 Confers Evolutionary Fitness on Pseudomonas putida under Conditions of Environmental Stress. Journal of Bacteriology, 2005, 187, 5203-5213.	2.2	41
22	IHF is the limiting host factor in transposition of Pseudomonas putida transposon Tn4652 in stationary phase. Molecular Microbiology, 2004, 51, 1773-1785.	2.5	21
23	The ColR-ColS two-component signal transduction system is involved in regulation of Tn4652 transposition in Pseudomonas putida under starvation conditions. Molecular Microbiology, 2004, 54, 795-807.	2.5	50
24	Involvement of Ï, ^S in Starvation-Induced Transposition of <i>Pseudomonas putida</i> Transposon Tn <i>4652</i>. Journal of Bacteriology, 2001, 183, 5445-5448.	2.2	97
25	Transcription from Fusion Promoters Generated during Transposition of Transposon Tn 4652 Is Positively Affected by Integration Host Factor in Pseudomonas putida. Journal of Bacteriology, 2000, 182, 589-598.	2.2	21
26	Promoter-creating mutations in Pseudomonas putida: A model system for the study of mutation in starving bacteria. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3134-3139.	7.1	94
27	In-vivo-generated fusion promoters in Pseudomonas putida. Gene, 1993, 127, 23-29.	2.2	27
28	Regulation of the catechol 1,2-dioxygenase- and phenol monooxygenase-encoding pheBA operon in Pseudomonas putida PaW85. Journal of Bacteriology, 1993, 175, 8038-8042.	2.2	63