

Susana K Checa

List of Publications by Year in descending order

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21
papers

754
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial sensing of and resistance to gold salts. <i>Molecular Microbiology</i> , 2007, 63, 1307-1318.	2.5	118
2	GolS controls the response to gold by the hierarchical induction of <i>Salmonella</i> -specific genes that include a CBA efflux-encoding operon. <i>Molecular Microbiology</i> , 2007, 66, 814-825.	2.5	106
3	Dissecting the <i>Salmonella</i> response to copper. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2989-2997.	1.8	88
4	A sensitive whole-cell biosensor for the simultaneous detection of a broad-spectrum of toxic heavy metal ions. <i>Chemical Communications</i> , 2015, 51, 5917-5920.	4.1	52
5	Bacterial signaling systems as platforms for rational design of new generations of biosensors. <i>Current Opinion in Biotechnology</i> , 2012, 23, 766-772.	6.6	49
6	CpxR/CpxA Controls <i>scsABCD</i> Transcription To Counteract Copper and Oxidative Stress in <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	41
7	A Single Serine Residue Determines Selectivity to Monovalent Metal Ions in Metalloregulators of the MerR Family. <i>Journal of Bacteriology</i> , 2015, 197, 1606-1613.	2.2	40
8	Target transcription binding sites differentiate two groups of MerR-monovalent metal ion sensors. <i>Molecular Microbiology</i> , 2010, 78, 853-865.	2.5	36
9	Selective detection of gold using genetically engineered bacterial reporters. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2553-2560.	3.3	32
10	Bacterial gold sensing and resistance. <i>BioMetals</i> , 2011, 24, 419-427.	4.1	29
11	Identification of a <i>Salmonella</i> ancillary copper detoxification mechanism by a comparative analysis of the genome-wide transcriptional response to copper and zinc excess. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1659-1669.	1.8	27
12	The 70-kDa Heat-Shock Protein/DnaK Chaperone System is Required for the Productive Folding of Ribulose-Bisphosphate Carboxylase Subunits in <i>Escherichia Coli</i> . <i>FEBS Journal</i> , 1997, 248, 848-855.	0.2	25
13	Dissecting the Metal Selectivity of MerR Monovalent Metal Ion Sensors in <i>Salmonella</i> . <i>Journal of Bacteriology</i> , 2013, 195, 3084-3092.	2.2	20
14	Protein Signatures That Promote Operator Selectivity among Paralog MerR Monovalent Metal Ion Regulators. <i>Journal of Biological Chemistry</i> , 2013, 288, 20510-20519.	3.4	19
15	Cooperation of the DnaK and GroE chaperone systems in the folding pathway of plant ferredoxin-NADP+ reductase expressed in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1998, 251, 724-728.	0.2	16
16	Downregulation of RpoN-controlled genes protects <i>Salmonella</i> cells from killing by the cationic antimicrobial peptide polymyxin B. <i>FEMS Microbiology Letters</i> , 2009, 291, 73-79.	1.8	15
17	The CpxR/CpxA system contributes to <i>Salmonella</i> gold-resistance by controlling the GolS-dependent <i>gesABC</i> transcription. <i>Environmental Microbiology</i> , 2017, 19, 4035-4044.	3.8	13
18	Bacterial Copper Resistance and Virulence. , 2015, , 1-19.		9

#	ARTICLE	IF	CITATIONS
19	Engineering of a Au-sensor to develop a Hg-specific, sensitive and robust whole-cell biosensor for on-site water monitoring. <i>Chemical Communications</i> , 2020, 56, 6590-6593.	4.1	8
20	Copper Handling in the Salmonella Cell Envelope and Its Impact on Virulence. <i>Trends in Microbiology</i> , 2021, 29, 384-387.	7.7	8
21	Evolution of Copper Homeostasis and Virulence in Salmonella. <i>Frontiers in Microbiology</i> , 2022, 13, 823176.	3.5	3