

Daiana A Capdevila

List of Publications by Year in descending order

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23
papers

1,168
citations

430874

18
h-index

642732

23
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docs citations

30
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Transcriptional Regulators: A Road Map for Functional, Structural, and Biophysical Characterization. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2179.	4.1	8
2	Protocol for using organic persulfides to measure the chemical reactivity of persulfide sensors. <i>STAR Protocols</i> , 2022, 3, 101424.	1.2	6
3	Structural basis for persulfide-sensing specificity in a transcriptional regulator. <i>Nature Chemical Biology</i> , 2021, 17, 65-70.	8.0	24
4	Molecular Evolution of Transition Metal Bioavailability at the Host-Pathogen Interface. <i>Trends in Microbiology</i> , 2021, 29, 441-457.	7.7	32
5	Metal Ion Homeostasis. , 2021, , 929-953.		1
6	Functional asymmetry and chemical reactivity of CsoR family persulfide sensors. <i>Nucleic Acids Research</i> , 2021, 49, 12556-12576.	14.5	13
7	Cell-free biosensors for rapid detection of water contaminants. <i>Nature Biotechnology</i> , 2020, 38, 1451-1459.	17.5	221
8	Multi-metal nutrient restriction and crosstalk in metallostasis systems in microbial pathogens. <i>Current Opinion in Microbiology</i> , 2020, 55, 17-25.	5.1	26
9	Mechanistic Insights into the Metal-Dependent Activation of Zn ^{II} -Dependent Metallochaperones. <i>Inorganic Chemistry</i> , 2019, 58, 13661-13672.	4.0	26
10	A Mn-sensing riboswitch activates expression of a Mn ²⁺ /Ca ²⁺ ATPase transporter in <i>Streptococcus</i> . <i>Nucleic Acids Research</i> , 2019, 47, 6885-6899.	14.5	40
11	Metal-dependent allosteric activation and inhibition on the same molecular scaffold: the copper sensor CopY from <i>Streptococcus pneumoniae</i> . <i>Chemical Science</i> , 2018, 9, 105-118.	7.4	27
12	Functional Role of Solvent Entropy and Conformational Entropy of Metal Binding in a Dynamically Driven Allosteric System. <i>Journal of the American Chemical Society</i> , 2018, 140, 9108-9119.	13.7	26
13	Tuning site-specific dynamics to drive allosteric activation in a pneumococcal zinc uptake regulator. <i>ELife</i> , 2018, 7, .	6.0	26
14	Entropy redistribution controls allostery in a metalloregulatory protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4424-4429.	7.1	75
15	Metallochaperones and metalloregulation in bacteria. <i>Essays in Biochemistry</i> , 2017, 61, 177-200.	4.7	103
16	Bacterial Strategies to Maintain Zinc Metallostasis at the Host-Pathogen Interface. <i>Journal of Biological Chemistry</i> , 2016, 291, 20858-20868.	3.4	131
17	Alternative Conformations of Cytochrome <i>c</i> : Structure, Function, and Detection. <i>Biochemistry</i> , 2016, 55, 407-428.	2.5	110
18	Active Site Structure and Peroxidase Activity of Oxidatively Modified Cytochrome <i>c</i> Species in Complexes with Cardiolipin. <i>Biochemistry</i> , 2015, 54, 7491-7504.	2.5	53

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19	Specific methionine oxidation of cytochrome c in complexes with zwitterionic lipids by hydrogen peroxide: potential implications for apoptosis. <i>Chemical Science</i> , 2015, 6, 705-713.	7.4	52
20	Coupling of tyrosine deprotonation and axial ligand exchange in nitrocytochrome c. <i>Chemical Communications</i> , 2014, 50, 2592-2594.	4.1	21
21	Self-Assembled Monolayers of NH ₂ -Terminated Thiolates: Order, p <i>K_a</i> , and Specific Adsorption. <i>Langmuir</i> , 2013, 29, 5351-5359.	3.5	54
22	Phosphate mediated adsorption and electron transfer of cytochrome c. A time-resolved SERR spectroelectrochemical study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5386-5394.	2.8	28
23	The mechanism of the photochromic transformation of spirorhodamines. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1081.	2.9	43