

Xristo Zarate

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,214
citations

686830

13
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible Measurement of Single-Molecule Conductivity. <i>Science</i> , 2001, 294, 571-574.	6.0	1,246
2	Making electrical contacts to molecular monolayers. <i>Nanotechnology</i> , 2002, 13, 5-14.	1.3	289
3	Changes in the Electronic Properties of a Molecule When It Is Wired into a Circuit. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8609-8614.	1.2	229
4	Electron Transport Properties of a Carotene Molecule in a Metal~(Single Molecule)~Metal Junction. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6162-6169.	1.2	106
5	Synergistic Antimicrobial Effects of Silver/Transition-metal Combinatorial Treatments. <i>Scientific Reports</i> , 2017, 7, 903.	1.6	69
6	Microbial Competition of <i>Rhodotorula mucilaginosa</i> UANL-001L and <i>E. coli</i> increase biosynthesis of Non-Toxic Exopolysaccharide with Applications as a Wide-Spectrum Antimicrobial. <i>Scientific Reports</i> , 2018, 8, 798.	1.6	39
7	Phytochrome phosphorylation in plant light signaling. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 681.	1.6	35
8	Expression and purification of recombinant proteins in <i>Escherichia coli</i> tagged with a small metal-binding protein from <i>Nitrosomonas europaea</i> . <i>Protein Expression and Purification</i> , 2016, 118, 49-54.	0.6	27
9	Metal-Induced Production of a Novel Bioadsorbent Exopolysaccharide in a Native <i>Rhodotorula mucilaginosa</i> from the Mexican Northeastern Region. <i>PLoS ONE</i> , 2016, 11, e0148430.	1.1	19
10	Time-Resolved Detection of Conformational Changes in Oat Phytochrome A: Time-Dependent Diffusion. <i>Biophysical Journal</i> , 2006, 91, 3797-3804.	0.2	17
11	A high-density quantitative nuclease protection microarray platform for high throughput analysis of gene expression. <i>Journal of Biotechnology</i> , 2011, 154, 68-75.	1.9	15
12	Expression and purification of recombinant proteins in <i>Escherichia coli</i> tagged with the metal-binding protein CusF. <i>Protein Expression and Purification</i> , 2016, 121, 61-65.	0.6	14
13	Optimizing Periplasmic Expression in <i>Escherichia coli</i> for the Production of Recombinant Proteins Tagged with the Small Metal-Binding Protein SmbP. <i>Molecular Biotechnology</i> , 2019, 61, 451-460.	1.3	13
14	Bias-induced forces in conducting atomic force microscopy and contact charging of organic monolayers. <i>Ultramicroscopy</i> , 2002, 92, 67-76.	0.8	12
15	Development of high-yield autofluorescent protein microarrays using hybrid cell-free expression with combined <i>Escherichia coli</i> S30 and wheat germ extracts. <i>Proteome Science</i> , 2010, 8, 32.	0.7	12
16	Production of recombinant proteins in <i>Escherichia coli</i> tagged with the fusion protein CusF3H+. <i>Protein Expression and Purification</i> , 2017, 132, 44-49.	0.6	12
17	Expression and purification of the antimicrobial peptide Bin1b in <i>Escherichia coli</i> tagged with the fusion proteins CusF3H+ and SmbP. <i>Protein Expression and Purification</i> , 2021, 178, 105784.	0.6	12
18	The PAS2 domain is required for dimerization of phytochrome A. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 178, 115-121.	2.0	8

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19	Engineered small metal-binding protein tag improves the production of recombinant human growth hormone in the periplasm of <i>Escherichia coli</i> . <i>FEBS Open Bio</i> , 2020, 10, 546-551.	1.0	8
20	Optimizing microarray-based in situ transcription-translation of proteins for matrix-assisted laser desorption ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2011, 414, 282-286.	1.1	7
21	The Small Metal-Binding Protein SmbP Simplifies the Recombinant Expression and Purification of the Antimicrobial Peptide LL-37. <i>Antibiotics</i> , 2021, 10, 1271.	1.5	5
22	Recombinant protein production data after expression in the bacterium <i>Escherichia coli</i> . <i>Data in Brief</i> , 2016, 7, 502-508.	0.5	4
23	A Cell-Free Expression Platform for Production of Protein Microarrays. <i>Methods in Molecular Biology</i> , 2014, 1118, 297-307.	0.4	4
24	Expression and Purification of the VpDef Defensin in <i>Escherichia coli</i> using the Small Metal-Binding Proteins CusF3H+ and SmbP. <i>Protein and Peptide Letters</i> , 2021, 28, 108-114.	0.4	2
25	Expression and Purification of Recombinant Proteins in <i>Escherichia coli</i> Tagged with the Metal-Binding Proteins SmbP and CusF3H+. <i>Methods in Molecular Biology</i> , 2021, 2178, 329-344.	0.4	2
26	Synthesis of a carotenobenzoporphyrin from a meso-diphenylporphyrin. <i>Tetrahedron Letters</i> , 2000, 41, 9661-9665.	0.7	1
27	The Small Metal-Binding Protein SmbP Improves the Expression and Purification of the Recombinant Antitumor-Analgesic Peptide from the Chinese Scorpion <i>Buthus martensii</i> Karsch in <i>Escherichia coli</i> . <i>Current Issues in Molecular Biology</i> , 2022, 44, 550-558.	1.0	0