

Lucia Garcia-Ortega

List of Publications by Year in descending order

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34
papers

853
citations

471509

17
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Fungal ribotoxins: molecular dissection of a family of natural killers. <i>FEMS Microbiology Reviews</i> , 2007, 31, 212-237.	8.6	126
2	The behavior of sea anemone actinoporins at the water-membrane interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2275-2288.	2.6	76
3	Fungal Ribotoxins: A Review of Potential Biotechnological Applications. <i>Toxins</i> , 2017, 9, 71.	3.4	57
4	Deletion of the NH2-terminal β -Hairpin of the Ribotoxin α -Sarcin Produces a Nontoxic but Active Ribonuclease. <i>Journal of Biological Chemistry</i> , 2002, 277, 18632-18639.	3.4	48
5	Cleavage of the sarcin-ricin loop of 23S rRNA differentially affects EF-G and EF-Tu binding. <i>Nucleic Acids Research</i> , 2010, 38, 4108-4119.	14.5	45
6	RNase U2 and α -Sarcin: A Study of Relationships. <i>Methods in Enzymology</i> , 2001, 341, 335-351.	1.0	44
7	Anomalous electrophoretic behavior of a very acidic protein: Ribonuclease U2. <i>Electrophoresis</i> , 2005, 26, 3407-3413.	2.4	38
8	Fungal ribotoxins: Natural protein-based weapons against insects. <i>Toxicon</i> , 2014, 83, 69-74.	1.6	34
9	Involvement of the amino-terminal β -hairpin of the <i>Aspergillus</i> ribotoxins on the interaction with membranes and nonspecific ribonuclease activity. <i>Protein Science</i> , 2001, 10, 1658-1668.	7.6	30
10	Production and characterization of a colon cancer-specific immunotoxin based on the fungal ribotoxin α -sarcin. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 425-435.	2.1	30
11	Modeling the highly specific ribotoxin recognition of ribosomes. <i>FEBS Letters</i> , 2005, 579, 6859-6864.	2.8	26
12	Characterization of a new toxin from the entomopathogenic fungus <i>Metarhizium anisopliae</i> : the ribotoxin anisoplin. <i>Biological Chemistry</i> , 2017, 398, 135-142.	2.5	24
13	Production and characterization of a noncytotoxic deletion variant of the <i>Aspergillus fumigatus</i> allergen Asp f1 displaying reduced IgE binding. <i>FEBS Journal</i> , 2005, 272, 2536-2544.	4.7	23
14	Hirsutellin A: A Paradigmatic Example of the Insecticidal Function of Fungal Ribotoxins. <i>Insects</i> , 2013, 4, 339-356.	2.2	22
15	Fungal extracellular ribotoxins as insecticidal agents. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 39-46.	2.7	19
16	The solubility of the ribotoxin α -sarcin, produced as a recombinant protein in <i>Escherichia coli</i> , is increased in the presence of thioredoxin. <i>Letters in Applied Microbiology</i> , 2000, 30, 298-302.	2.2	18
17	Production and characterization of scFvA33T1, an immunorNase targeting colon cancer cells. <i>FEBS Journal</i> , 2012, 279, 3022-3032.	4.7	18
18	Structural and enzymatic properties of Ageritin, a novel metal-dependent ribotoxin-like protein with antitumor activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2888-2894.	2.4	18

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19	Precise Alignment of Peptidyl tRNA by the Decoding Center Is Essential for EF-G-Dependent Translocation. <i>Molecular Cell</i> , 2008, 32, 292-299.	9.7	17
20	Leucine 145 of the ribotoxin $\hat{\Lambda}$ -sarcin plays a key role for determining the specificity of the ribosome-inactivating activity of the protein. <i>Protein Science</i> , 2003, 12, 161-169.	7.6	16
21	NMR structure of the noncytotoxic $\hat{\Lambda}$ -sarcin mutant $\hat{\Lambda}(7-22)$: The importance of the native conformation of peripheral loops for activity. <i>Protein Science</i> , 2004, 13, 1000-1011.	7.6	16
22	Tyr-48, a conserved residue in ribotoxins, is involved in the RNA-degrading activity of $\hat{\Lambda}$ -sarcin. <i>Biological Chemistry</i> , 2006, 387, 535-41.	2.5	16
23	Implication of an Asp residue in the ribonucleolytic activity of hirsutellin A reveals new electrostatic interactions at the active site of ribotoxins. <i>Biochimie</i> , 2012, 94, 427-433.	2.6	11
24	A non-cytotoxic but ribonucleolytically specific ribotoxin variant: implication of tryptophan residues in the cytotoxicity of hirsutellin A. <i>Biological Chemistry</i> , 2012, 393, 449-456.	2.5	10
25	The Acidic Ribosomal Stalk Proteins Are Not Required for the Highly Specific Inactivation Exerted by $\hat{\Lambda}$ -Sarcin of the Eukaryotic Ribosome. <i>Biochemistry</i> , 2014, 53, 1545-1547.	2.5	10
26	Involvement of loops 2 and 3 of $\hat{\Lambda}$ -sarcin on its ribotoxic activity. <i>Toxicon</i> , 2015, 96, 1-9.	1.6	9
27	Ribonuclease U2: cloning, production in <i>Pichia pastoris</i> and affinity chromatography purification of the active recombinant protein. <i>FEMS Microbiology Letters</i> , 2000, 189, 165-169.	1.8	8
28	Conserved asparagine residue 54 of $\hat{\Lambda}$ -sarcin plays a role in protein stability and enzyme activity. <i>Biological Chemistry</i> , 2004, 385, 1165-1170.	2.5	8
29	Binding and enzymatic properties of Ageritin, a fungal ribotoxin with novel zinc-dependent function. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 625-631.	7.5	8
30	Influence of key residues on the heterologous extracellular production of fungal ribonuclease U2 in the yeast <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2009, 65, 223-229.	1.3	7
31	The ribotoxin $\hat{\Lambda}$ -sarcin can cleave the sarcin/ricin loop on late 60S pre-ribosomes. <i>Nucleic Acids Research</i> , 2020, 48, 6210-6222.	14.5	6
32	The ribonucleolytic activity of the ribotoxin $\hat{\Lambda}$ -sarcin is not essential for in vitro protein biosynthesis inhibition. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1377-1382.	2.3	5
33	Involvement of loop 5 lysine residues and the N-terminal $\hat{\Lambda}^2$ -hairpin of the ribotoxin hirsutellin A on its insecticidal activity. <i>Biological Chemistry</i> , 2016, 397, 135-145.	2.5	5
34	Minimized natural versions of fungal ribotoxins show improved active site plasticity. <i>Archives of Biochemistry and Biophysics</i> , 2017, 619, 45-53.	3.0	4